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Fall 2023

In This Issue

19th Annual
Buyers Guide



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On the cover: A fuel rack is removed from Oyster Creek's spent fuel pool. (Photo: HDI)



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2023



Buyers Guide

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The directory sections of the Buyers Guide are kept current via annual company listing verification/update requests each June-August and new company listings that are submitted throughout the year.

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Three Mile Island Unit 2 in Pennsylvania



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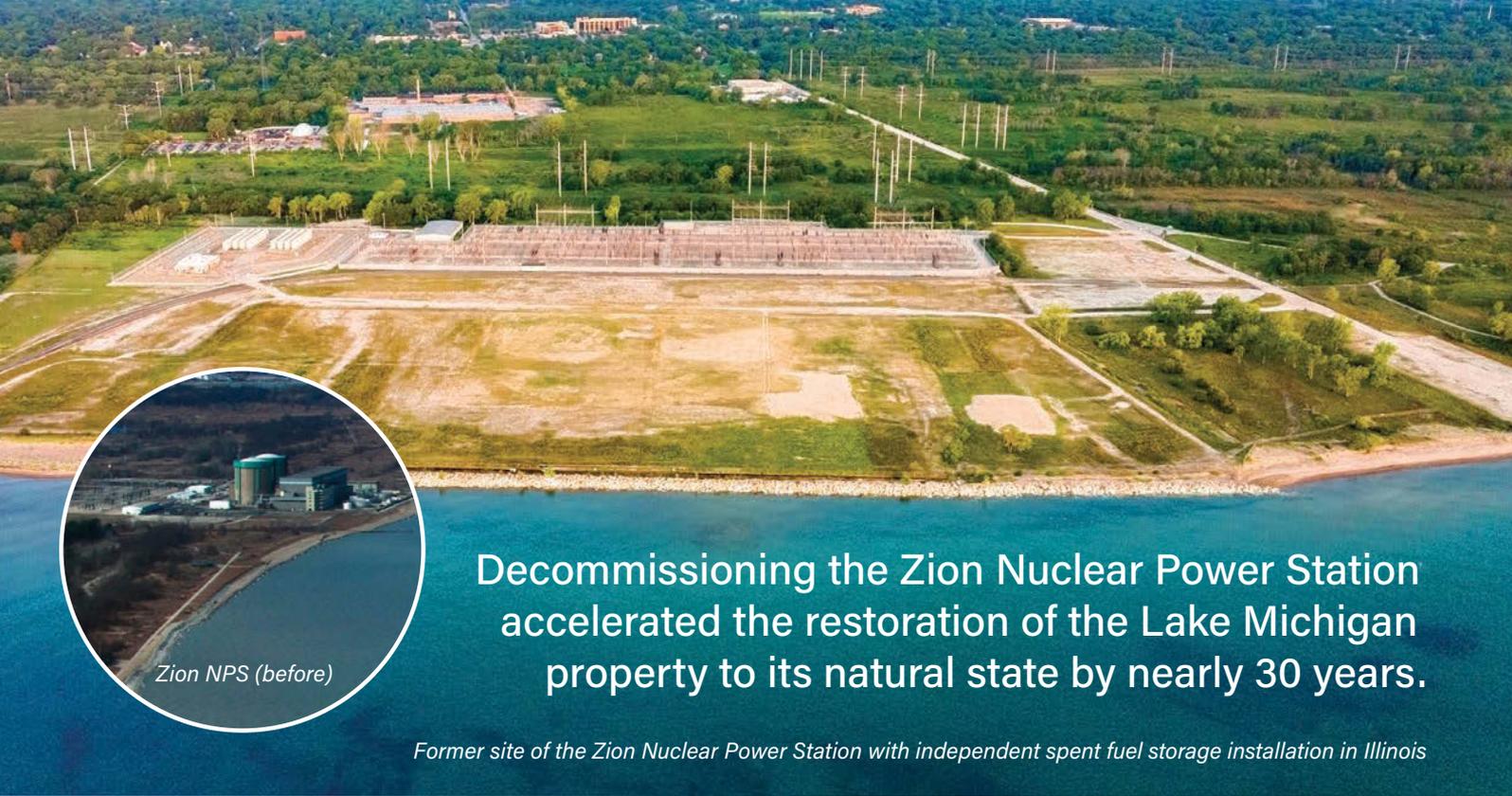
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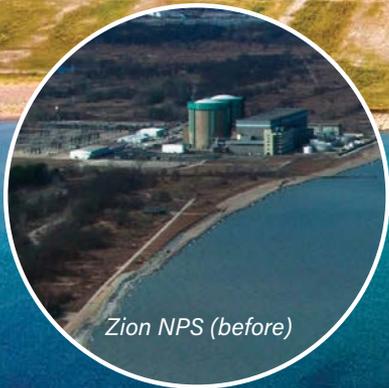
Kewaunee Power Station in Wisconsin



San Onofre Nuclear Generating Station in California



Decommissioning the Zion Nuclear Power Station accelerated the restoration of the Lake Michigan property to its natural state by nearly 30 years.



Zion NPS (before)

Former site of the Zion Nuclear Power Station with independent spent fuel storage installation in Illinois



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N.S. Savannah in Maryland



Fort Calhoun Nuclear Generating Station in Nebraska

Lessons now and later

During a public meeting on decommissioning lessons learned held by the Nuclear Regulatory Commission in May, Bruce Montgomery of the Nuclear Energy Institute noted that over the next 10 years about 17 nuclear power plants will undergo decommissioning. Until recently, it was thought that there would be a steady stream of retiring power plants transitioning to decommissioning. Fortunately, it appears that is no longer the case, and we are starting to see (knock on wood) a real nuclear renaissance take place, with positive efforts to keep the current fleet of power reactors operating.

Montgomery said that based on current trends, he expects a hiatus of decommissioning projects occurring after the current fleet is completed and before the next tranche of reactors are retired, likely sometime after 2050. “A lot of us won’t be around then,” he said. “It is important that we capture those lessons so that the script is pretty well written for the future fleet.”

The NRC meeting and a few of the lessons learned by those leading the current decommissioning enterprise are discussed in more detail in the feature “Sharing D&D Knowledge in a Competitive Market,” starting on page 38.

This sharing of lessons learned is a worthy exercise, and it is hoped that the NRC and the NEI, which cohosted the May meeting, continue to hold similar discussions in the future. One can’t help but wonder, however, what challenges future workforces will face when that next batch of aging reactors begins the process of decontamination and decommissioning. It is a common refrain among D&D professionals that no two sites are the same. What then will sites look like 20–40 years from now?

Consider, for example, per- and polyfluoroalkyl substances (PFAS), the so-called “forever chemicals.” Who would have thought 20 years ago that they would be a factor in D&D? But with growing concern and increased regulation of the chemicals, power plants are being asked to look at PFAS contamination during decommissioning. The authors Jay Peters, Nadia Glucksberg, and John Xiong from Haley & Aldrich, Inc., examine the emergence of PFAS as a complicating factor in D&D in the feature beginning on page 30.

Some things, however, never change. Often the old tools and methods work just as well as the latest innovations, if not better. Take Underwater Construction Corporation UK Ltd., which has a long history of underwater nuclear diving. The company recently sent its divers into one of the legacy cooling ponds at the Sellafield site in the United Kingdom, the first time someone has entered the pond in more than 60 years. While Sellafield makes widespread use of robotics and remote systems to remediate its legacy ponds, human control and dexterity are sometimes required to complete tasks. UCC UK Ltd.’s work at Sellafield is highlighted in the feature starting on page 48.

In addition to this month’s features on D&D, this issue of *Radwaste Solutions* contains two interesting articles on environmental remediation, beginning with a look at how artificial intelligence and machine learning are being used to monitor contaminated groundwater at the Savannah River Site in South Carolina. It is hoped that the technology can be applied to sites across the Department of Energy complex to predict future contaminant flux. The feature, “Paradigm Shift,” starts on page 56.

Finally, the feature “The Remediation of Maywood,” by frequent *Radwaste Solutions* contributor JoAnne Castagna of the U.S. Army Corps of Engineers, details how the Corps is safely cleaning up a former thorium production site in a heavily populated area of New Jersey. The project, which recently reached 1 million man-hours without a lost-time accident, provides its own lessons for successfully completing projects with safety as the top priority. The story begins on page 60.

We hope you enjoy this issue of *Radwaste Solutions* and, moreover, find it provides lessons that will come in handy in your own work, whatever that may be.



Tim Gregoire, editor-in-chief

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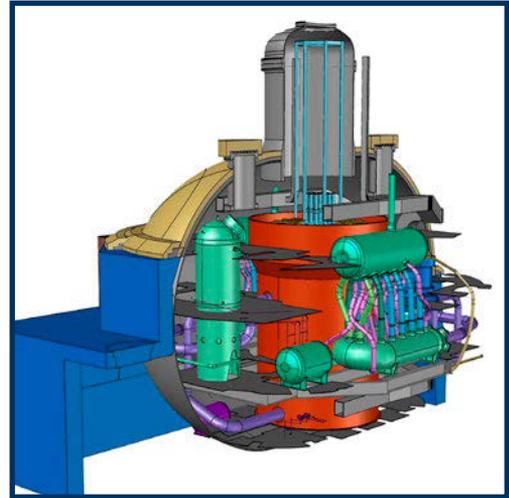
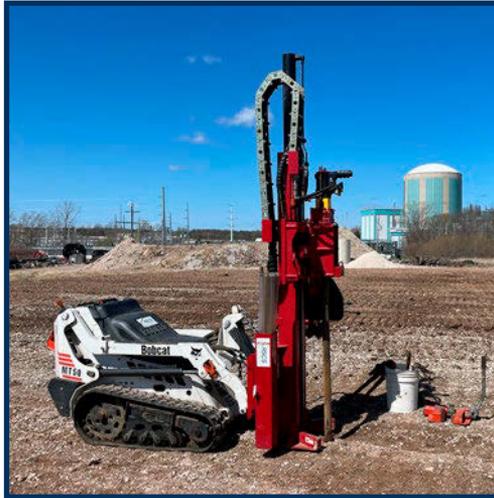


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Portsmouth's X-326 Process Building undergoes demolition in 2022. (Photo: DOE)

DOE-EM awards \$5.87 billion Portsmouth D&D contract

The Department of Energy's Office of Environmental Management has awarded a 10-year contract worth up to \$5.87 billion to Southern Ohio Cleanup Company (SOCCo) of Aiken, S.C., for the decontamination and decommissioning of the DOE's Portsmouth site in southern Ohio. SOCCo is a newly formed limited liability company comprising Amentum Environment and Energy, Fluor Federal Services, and Cavendish Nuclear (USA) Inc.

The new indefinite-delivery, indefinite-quantity contract, awarded under the DOE-EM's end-state contracting model, will replace the Portsmouth D&D contract currently held by Fluor-BWXT Portsmouth, a joint venture of Fluor and BWX Technologies, along with engineering company Jacob. Fluor-BWXT Portsmouth was first awarded the contract in August 2010. The new contract, which was announced on July 13, includes a 120-day transition period.

The DOE-EM received two proposals in response to its request for contract proposals, both of which the office said complied with the solicitation

instructions. According to the agency, "through a healthy and rigorous competition," the SOCCo proposal was determined to provide the best value to the U.S. government considering key personnel, past performance, management approach, and cost and fee.

According to the DOE-EM, work to be performed under the new Portsmouth D&D contract will include but not be limited to demolition and disposal of facilities, process equipment, related process buildings, and other ancillary facilities. The contract also includes remediation of contaminated soils and groundwater and disposition of uranium material. Requirements for meaningful work to be performed by small businesses is included in the contract.

Some Portsmouth operations work currently covered by the Fluor-BWXT Portsmouth contract—including utilities, emergency management, physical security, uranium transfers, and nuclear material control and accountability—are being excluded from the new D&D contract. Instead, it will transfer to a forthcoming operations and site

mission support (OSMS) contract being issued through the Portsmouth Paducah Project Office. According to the DOE-EM, this will allow SOCCO to focus on the end-state completion of site remediation at Portsmouth.

The transfer of work scope from the existing Portsmouth D&D contract to the new OSMS contract, the agency said, will not result in an overall

reduction in work being done at the Portsmouth site. To help ensure a smooth transition of scope and workforce, the transition periods for the new OSMS and D&D contracts will be aligned and occur after the award of the OSMS contract. A final request for proposals for the 10-year, \$2.9 billion OSMS contract was issued in March 2022.

INTERIM STORAGE

NRC issues license for New Mexico SNF storage site

May 9, the Nuclear Regulatory Commission issued a license to Holtec International to construct and operate a consolidated interim storage facility (CISF) for spent nuclear fuel in southeastern New Mexico. Holtec is proposing building the facility, called the HI-STORE CISF, between the cities of Carlsbad and Hobbs in Lea County on land provided by the Eddy Lea Energy Alliance (ELEA).

The license authorizes Holtec to receive, possess, transfer, and store 500 canisters holding approximately 8,680 metric tons of commercial spent nuclear fuel for 40 years using the company's below-grade HI-STORM UMAX cask system. The company said it plans to eventually store up to 10,000 canisters in an additional 19 phases. Each expansion phase would require a license amendment with additional NRC safety and environmental reviews.

Working with the ELEA, Holtec submitted its CISF license application to the NRC in March 2017. The NRC's review of the license application included a technical safety and security review, an environmental impact review, and adjudication before an Atomic Safety and Licensing Board, which resolved contentions filed by several local and national petitioners.

While the HI-STORE CISF has the support of local community leaders, who recognize its value in diversifying an economy largely dependent on the oil and gas industries, the NRC licensing comes after New Mexico passed legislation designed to prevent the project. On March 17,



Democratic Gov. Michelle Lujan Grisham signed S.B. 53, which prohibits the storage and disposal of radioactive waste in New Mexico without the state's consent. Opponents of that law, however, say it challenges long-standing federal authority over nuclear safety matters and will lead to new court challenges.

Licensing of the HI-STORE CISF follows similar licenses previously issued by the NRC for away-from-reactor spent fuel storage installations. Private Fuel Storage received a license in 2006 for a facility to be sited in Utah, but the company later withdrew its license amid opposition and the site was never developed.

In September 2021, the NRC issued a license to Interim Storage Partners (ISP) for a proposed storage site in Andrews, Texas. The state of Texas is currently fighting that effort, and ISP—a joint venture of Orano USA and Waste Control Specialists—has not begun construction on the facility.

A rendering of Holtec's proposed HI-STORE CISF in New Mexico. (Image: Holtec)

SPENT NUCLEAR FUEL

U.S., Canada sign waste management agreement

The United States and Canada will cooperate on spent nuclear fuel management under a statement of intent (SOI) signed between the U.S. Department of Energy and the Nuclear Waste Management Organization, the nonprofit responsible for the management of Canada's commercial spent fuel. The agreement was signed by DOE assistant secretary for nuclear energy Kathryn Huff and Laurie Swami, NWMO president and chief executive officer, during a ceremony at the Embassy of Canada in Washington, D.C., on May 16.

"Today's agreement strengthens the system of international partnerships that support[s] the development of consent-based siting strategies

and ensures Canadians and Americans can work together on important shared priorities like protecting people and the environment," Swami said during the signing ceremony.

According to the NWMO, the agreement reflects the United States' and Canada's shared commitment to safely manage spent nuclear fuel, including that from small modular reactors. The SOI is intended to foster information sharing for consent-based siting, science and technology programs, engagement activities, and joint technical studies. It also lays the groundwork for a program of exchanges and visits by NWMO and DOE leaders.

"As the U.S. develops our consent-based siting process, we need to hear from diverse perspectives to build a stronger approach—and that includes lessons learned from our colleagues in Canada," Huff said. "Sharing information and collaborating will bring a sustainable, clean energy future closer to reality."

The NWMO began a consent-based process for selecting a deep geological repository site in 2010. The organization has narrowed its search to two potential host areas in Ontario and plans to select a final site in 2024.

The NWMO's Laurie Swami (left) and the DOE's Kathryn Huff sign a statement of intent to cooperate on used nuclear fuel management. (Photo: CNW Group/NWMO)



DECONTAMINATION AND DECOMMISSIONING

NorthStar to take ownership of California's Vallecitos site

GE Hitachi Nuclear Energy announced May 9 that it intends to transfer ownership of the 1,600-acre GEH Vallecitos Nuclear Center to NorthStar Group Services for nuclear decontamination, decommissioning, and environmental site restoration.

"We have explored strategic alternatives for the site that align to our long-term strategy, changing customer needs, and the external business environment," said Jay Wileman, president and chief executive officer of GEH. "By transferring the

site to a recognized decommissioning expert like NorthStar, we can continue meeting our near-term requirements while maintaining focus on our core business product lines."

Located about 40 miles east of San Francisco, Calif., the site was home to the Vallecitos Boiling Water Reactor (VBWR), which operated from 1957 until 1963 and was the first commercially owned nuclear plant to supply power to the general public. From 1965 through 1975, the center was used to conduct research work for the Atomic Energy

Commission’s Nuclear Energy Program and the civilian nuclear power industry.

GEH has already started decommissioning work on the VBWR, as well as on the site’s General Electric Test Reactor and the ESADA Vallecitos Experimental Superheat Reactor. In 2021, GEH informed the Nuclear Regulatory Commission that it intended to complete the decommissioning of the VBWR by 2025.

As part of the proposed transaction, GEH and NorthStar have signed an asset purchase and sale agreement and will sign a decommissioning completion agreement at closing. According to GEH, the company currently has about 40 employees



who will be impacted by the sale of Vallecitos, which is subject to review and approval by the NRC, the state of California, and other state and government entities.

The Vallecitos Nuclear Center in northern California. (Photo: Wikimedia Commons)

Aptim awarded DD&R contract for Los Alamos’ Ion Beam Facility

The Department of Energy’s Office of Environmental Management awarded a contract to Aptim Federal Services of Baton Rouge, La., to perform deactivation, decommissioning, and removal of the former Ion Beam Facility at Los Alamos National Laboratory in New Mexico.

The contract, announced by the DOE on July 27, is valued at approximately \$68 million, with a performance period of up to 57 months. Services under the contract include management and disposal of the resulting waste. Contaminants at the facility include tritium, asbestos, and other hazardous

materials. Nine firms competed for the contract, according to the DOE. Aptim Federal Services will coordinate its DD&R work with the DOE-EM and the National Nuclear Security Administration to avoid disruptions at LANL.

The Ion Beam Facility was built in 1951 to support post-World War II scientific research. It contains LANL’s two original Van De Graaff accelerators and housed equipment used for nuclear experimentation and aided in the development of weapons technology. Facility operations ceased in 1999.

INDUSTRY

EnergySolutions expands to offer front-end services

Utah-based decommissioning company EnergySolutions has entered the early phases of exploring the possible use of former nuclear sites acquired by the company, such as the closed Kewaunee nuclear power plant in Wisconsin, as potential locations for future new nuclear generation sites. EnergySolutions acquired Kewaunee from Dominion Nuclear for decommissioning in 2022.



EnergySolutions is to explore options for building new nuclear facilities at company-owned sites, such as Wisconsin’s Kewaunee site, currently being decommissioned.

Source Points continues

As part of larger announcement on June 21, EnergySolutions said that it will begin providing additional services in support of the life extension and new construction of U.S. nuclear power plants, and in support of the energy industry's goal of reaching net-zero carbon emissions by 2050.

As a comprehensive supplier of nuclear decommissioning and decontamination, waste processing, and disposal services in the United States and Canada, EnergySolutions said it is leveraging its existing nuclear quality assurance program and nuclear services infrastructure to support its

expansion of services. The company will provide project management, supervision, and subject matter expertise in support of plant life extension projects and new reactor planning and construction.

According to EnergySolutions, the company will initially provide project execution and labor management expertise based on its experience in executing large capital projects, helping deliver new projects for utilities, developers, and prospective owners. EnergySolutions said it has assembled an experienced management team in support of its expanded services offering.

SAVANNAH RIVER SITE

DOE to ship contaminated tank equipment to Texas as LLW

The Department of Energy is planning to ship contaminated process equipment from its Savannah River Site in South Carolina to Waste Control Specialists' federal low-level radioactive waste facility in Andrews County, Texas.

The contaminated process equipment, which includes a salt sampling drill string, glass bubblers, and glass pumps from an SRS waste tank, is the second waste stream to be analyzed as a result of the DOE's implementation of its interpretation of the statutory definition of high-level radioactive waste. The first waste stream analyzed was a small

amount of SRS Defense Waste Processing Facility recycle wastewater that was shipped to the WCS facility in September 2020.

The department completed a final environmental assessment, along with a finding of no significant impact, which found that the off-site disposal of the contaminated equipment as LLW would "entail minor impacts and low risks and would not constitute a major federal action significantly affecting the quality of the human environment." Notice of the EA and FONSI were published in the July 20 *Federal Register*.

The equipment is currently being conservatively stored at SRS as if it were HLW. As the equipment also contains hazardous waste, it cannot be disposed of on site as mixed LLW. Therefore, the DOE said that the determination of a near-term disposition path will help to "mitigate on-site storage constraints, improve worker safety, and support accelerated completion of the environmental cleanup mission at SRS."

Based on its analysis, the DOE concluded that the SRS contaminated process equipment meets the HLW interpretation for disposal as LLW in accordance with its radiological characteristics, and therefore can be safely disposed of in a LLW facility outside of South Carolina.



HANFORD

Two recent reports shed light on tank waste challenges

A pair of reports this year by the U.S. Government Accountability Office and the National Academies of Sciences, Engineering, and Medicine highlight some of the challenges the Department of Energy faces in treating the millions of gallons of legacy radioactive waste at the Hanford Site in Washington state.

Both reports focus on recent efforts by the DOE to assess possible alternatives to vitrifying Hanford's 54 million gallons of liquid tank waste, immobilizing it in a solid glass form. The DOE has long intended to vitrify all the tank waste after separating it into high- and low-level radioactive waste streams. That plan, however, may not be feasible, as the DOE continues to face technical problems, cost overruns, and schedule delays with building the site's Waste Treatment and Immobilization Plant (WTP), also known as the Vit Plant.

According to the GAO, construction of the WTP's Pretreatment Facility, which would separate the waste streams, and High-Level Waste Facility, which would vitrify the HLW, cannot be completed as planned due to technical issues. Completing the facilities as planned, the GAO said, would be cost and schedule prohibitive.

Likewise, the WTP's Low-Activity Waste Facility, which is currently being commissioned, does not have the capacity to vitrify all of Hanford's LLW, and the DOE is seeking alternatives for treating the remaining waste, referred to as supplemental low-activity waste (SLAW). The DOE is currently reviewing the possibility of solidifying Hanford's SLAW in grout and disposing of it on site, at an outside facility, or a combination of both.

The GAO report, *Hanford Cleanup: DOE Should Validate its Analysis of High-Level Waste Treatment Alternatives*, assesses the DOE's consideration of 24 options for treating Hanford's HLW. Those options were outlined in an analysis of alternatives report released by the DOE in January. The analysis also found that the life-cycle cost estimates for treating the HLW ranged from \$135 billion to \$5 trillion.

While the DOE plans to select an alternative for HLW treatment in the near future, the GAO found



Hanford's Waste Treatment and Immobilization Plant. (Photo: DOE)

that the DOE has not committed to validating its analysis of alternatives. "Given the enormous cost and schedule implications of the decision, it is essential for DOE to take steps now to provide assurance that all viable alternatives for optimizing the tank waste treatment mission are considered," the GAO said in its report.

The NASEM report, *Review of the Continued Analysis of Supplemental Treatment Approaches of Low-Activity Waste at the Hanford Nuclear Reservation*, is the third and final report on the organization's review of an analysis of options for treating Hanford's SLAW. As directed by law, that analysis was conducted by a federally funded research and development center (FFRDC) led by Savannah River National Laboratory.

The FFRDC selected four alternative approaches to treating the SLAW, with a baseline alternative of vitrification with disposal at Hanford's on-site disposal facility. The three other alternatives include solidification through steam reforming (similar to that of Idaho's Integrated Waste Treatment Unit) with on-site disposal, off-site grouting and disposal, and a phased approach that begins with off-site grouting and disposal and transitions to on-site operations.

According to the NASEM, the FFRDC has made a strong technical case that off-site grouting and disposal is for the most part the preferred option, and may be a technically valid option with on-site disposal if found acceptable from a waste acceptance standpoint.



A 300-pound bag of frit is positioned to be poured into the melter at Hanford's LAW Facility. (Photo: Bechtel National)

Glass added to Vit Plant as melter reaches operational temperature

The Department of Energy's Office of Environmental Management announced on August 8 that the first batches of glass-forming beads, called frit, were poured into a melter at the Hanford Site's Waste Treatment and Immobilization Plant (WTP), also known as the Vit Plant. The melter, which has been heated to 2,100°F, will be used to immobilize Hanford's radioactive and chemical tank waste, turning it into a stable glass form through vitrification.

After correcting power anomalies that paused heating late last year, Hanford workers reinitiated the heating of the melter on June 24. Heating was slowly ramped up until the melter reached its operational temperature of 2,100°F the week of July 21. The 300-ton melter is one of two located

in the WTP's Low-Activity Waste (LAW) Facility, which will treat the waste as part of the DOE's Direct-Feed Low-Activity Waste program at the Washington state site.

Approximately 40,000 pounds of frit was to be slowly added to the melter to create a molten glass pool about 31 inches in depth. When plant hot operations begin, treated waste will be fed to the melter to be mixed with the molten glass and then poured into specially designed stainless-steel containers. The containers will then be moved a short distance to the Hanford Site's Integrated Disposal Facility for disposal.

The DOE plans to complete hot commissioning of the LAW Facility and begin production-scale vitrification of Hanford's tank waste in 2025.

WIPP

New Mexico and DOE negotiate a settlement on permit renewal

The Department of Energy's Office of Environmental Management and the New Mexico Environment Department (NMED) have negotiated a settlement on terms to renew the 10-year operating permit for the Waste Isolation Pilot Plant near Carlsbad, N.M. The DOE, along with WIPP's operating contractor, Salado Isolation Mining Contractors, and the NMED negotiated the settlement with New Mexico stakeholders.

The settlement follows a public comment period on the NMED's renewal of the permit, during which multiple parties expressed opposition to the permit and requested a hearing. The U.S. disposal facility for defense-generated transuranic waste, WIPP operates under a permit issued by the NMED, which has the authority to regulate hazardous waste at WIPP. WIPP is currently operating on an expired but administratively extended permit.

In reaching the settlement, the DOE agreed to several permit conditions proposed by the NMED, including prioritizing the disposal of transuranic waste generated within the state. In return, the NMED has agreed not to hold a hearing on the permit. Instead, the department published the proposed WIPP permit containing the agreed-upon conditions on August 15. The final renewal permit will be issued in October with an effective date 30 days later.

According to the NMED, in addition to prioritizing the disposal of in-state legacy waste at WIPP, including from Los Alamos National Laboratory, the settlement agreement contains the



following conditions:

- A full and transparent inventory of legacy waste around the United States for ultimate disposal at WIPP through a new report that provides for stakeholder input.
- Waste shipments to WIPP can be suspended if there is evidence of a threat to human health or the environment.
- A final facility footprint to accompany any request for new storage panels beyond the two panels authorized in the renewal permit.
- A permit revocation and reissuance process should Congress increase the storage capacity at WIPP or expand the types of wastes accepted at the facility.
- The requirement that the DOE document progress in siting another geologic repository in a state other than New Mexico through a new annual report.

The Waste Isolation Pilot Plant, near Carlsbad, N.M. (Photo: DOE)

Utility shaft reaches station depth milestone

The Department of Energy's Carlsbad Field Office announced on July 11 that it has made a significant step toward increasing airflow to the Waste Isolation Pilot Plant (WIPP) underground with the excavation of a new utility shaft. According to the office, crews working on the shaft reached an underground depth, known as station depth, earlier this year that will allow horizontal tunneling work to begin on connecting the shaft to the WIPP repository complex.

When completed, the 26-foot-diameter utility shaft will provide air to WIPP's new ventilation system, called the Safety Significant Confinement Ventilation System (SSCVS). The increased airflow provided by the system will allow for simultaneous mining, rock bolting, waste emplacement, and maintenance operations.

According to the DOE, reaching the station depth was a culmination of nearly three years of construction and mining work as crews overcame

Source Points continues



A truck hauls excavated salt away from the WIPP utility shaft, marked by a large aboveground steel headframe. (Photo: DOE)

unique challenges. Work on the utility shaft started in late 2019 but was paused in late 2020 for one year during the pandemic. The state of New Mexico authorized a restart in November 2021. The shaft and the SSCVS are currently being built by Salado Isolation Mining Contractors (SIMCO), a Bechtel company that took over the WIPP management and operations contract in February.

The DOE has run into major cost increases and delays in construction of the new ventilation system, which the department attributed to contractor inexperience and difficulties attracting staff to work in the area. In March 2022, the Government Accountability Office reported that, without a plan for addressing construction issues, the DOE cannot ensure that further cost increases and schedule delays will not continue.

When work on the SSCVS began in May 2018, it was projected to be completed by November 2022 at a total project cost of \$288 million. According to the GAO report, as of October 2021 the DOE was expecting to complete the system in January 2026 at a revised estimated cost of approximately \$486 million. At the time, the GAO said that the utility shaft was also at risk of cost overruns and schedule delays.

OAK RIDGE

Ground broken on critical new disposal facility

National, state, and local leaders joined the Department of Energy's Oak Ridge Office of Environmental Management (OREM) and its lead cleanup contractor, United Cleanup Oak Ridge (UCOR), this summer to celebrate the groundbreaking for a new on-site disposal facility at the Oak Ridge Reservation in Tennessee.

According to OREM, the new \$550 million Environmental Management Disposal Facility is essential for OREM and UCOR to maintain environmental cleanup momentum at the Y-12 National Security Complex and Oak Ridge National Laboratory.

After 20 years of operations, Oak Ridge's current on-site disposal facility is nearing full capacity. Hundreds of buildings, however, still

require demolition at Y-12 and ORNL. The Environmental Management Disposal Facility will provide the capacity needed for OREM to complete cleanup at those sites. The new disposal facility will support projects that remove old, dilapidated facilities and clear land that can be reused by the DOE Office of Science and National Nuclear Security Administration in support of research and national security missions.

According to the DOE's Office of Environmental Management, groundbreaking on the disposal site and preparing it for construction comes four months ahead of schedule and meets one of the office's priorities for 2023. The project will be conducted in three phases, with the



Taking part in the Environmental Management Disposal Facility groundbreaking, from left, were Steve Arnette of Jacobs; Mark Whitney of Amentum; Wade Creswell, a Roane Co., Tenn., executive; Brent Booker of the Laborers' International Union of North America; Kevin Adkisson of North America's Building Trades Unions; Jeanne Gettle of the EPA; Lt. Gov. Randy McNally; David Salyers of TDEC; Ken Rueter of UCOR; Jay Mullis of OREM; U.S. Rep. Chuck Fleischmann; and DOE-EM's William "Ike" White. (Photo: DOE)

facility scheduled to be operational in 2029.

The first phase of the project, early site preparation, includes moving utilities and rerouting portions of Bear Creek Road and the Haul Road. During the second phase, a groundwater field demonstration study will be completed to help OREM confirm modeling of how groundwater levels will adjust when construction begins. This phase will capture data for two years and inform the facility's final design. The balance of construction, which includes completing the final design and constructing the first two disposal cells, will be completed during the third phase. There will be four total disposal cells.

According to DOE-EM, the office is complying with all federal and state requirements in constructing the disposal facility. It is also incorporating numerous engineering features into the facility's design, under the oversight of the Environmental Protection Agency and the Tennessee Department of Environment and Conservation (TDEC), to ensure its waste remains isolated from the environment. Additionally, the DOE will continue sending all highly contaminated waste out of state for disposal.

Officials at the groundbreaking event included U.S. Rep. Chuck Fleischmann (R., Tenn.), Tennessee Lt. Gov. Randy McNally, DOE-EM senior advisor William "Ike" White, EPA acting regional administrator Jeanne Gettle, TDEC commissioner David Salyers, OREM manager Jay Mullis, and UCOR president and chief executive officer Ken Rueter.

In emphasizing the project's importance, Fleischmann said, "Because of what we are doing here today, legacy cleanup will continue in Oak Ridge for the next 30 or 40 years until it's complete. That means that Oak Ridge National Laboratory will be able to take down excess facilities. That means that our friends at NNSA will be able to do the critical work on our nuclear arsenal to keep our country safe."

"I made a commitment to you—our stakeholders, our community, our client, our labor brothers and sisters—that we would be standing here today because of how important it was and that what you saw happen at the East Tennessee Technology Park would then be eclipsed by what we will see take place at Y-12 and ORNL," said Rueter.

Source Points continues

Tennessee Tech launches nuclear engineering program with help from UCOR

United Cleanup Oak Ridge (UCOR), the Department of Energy's lead environmental cleanup contractor at the Oak Ridge Reservation in Tennessee, has formed a new partnership with Tennessee Tech University focused on building a pipeline of highly skilled workers for cleanup work at the

site. Working with UCOR, the university's College of Engineering is to launch a new nuclear engineering degree program beginning in fall 2024.

The new program will build on UCOR's existing internship program with Tennessee Tech to identify research, training, mentorship, and education opportunities that will enrich the learning experiences of the university's STEM and business students, encourage careers with UCOR and its parent companies, and leverage other university partnerships in UCOR's university consortium.

"By sharing the talents and manpower of Tech students and working hand in glove with the experts at UCOR, we can ensure that Oak Ridge Reservation is equipped with the proper workforce to remain a site of innovation, discovery, and responsible environmental practice for years to come," said university president Phil Oldham.

"UCOR is excited to formalize and expand our connection with Tennessee Tech, and we're also working to finalize an endowed engineering scholarship at Tech for the region's students," said Ken Rueter, UCOR president and chief executive officer.



UCOR president and CEO Ken Rueter (left) and Tennessee Tech president Phil Oldham have signed a memorandum of understanding formalizing a new partnership on workforce development supporting cleanup at the Oak Ridge Reservation. (Photo: Tennessee Tech)

UNITED KINGDOM

New search begins for a geological repository

Nuclear Waste Services, the United Kingdom's radioactive waste management organization launched in January 2022, has begun a wide

range of studies to evaluate sites that could be suitable to host a geological disposal facility (GDF), it was announced in June.

Initially, NWS experts and industry specialists will evaluate community partnership areas through nonintrusive activities, such as geophysical surveys and desk-based studies of existing data on things like the local geology, transport infrastructure, and local power supply. The organization said it has already formed four community partnerships and studies will focus on those areas: Allerdale, South Copeland, and Mid Copeland in Cumbria in North West England; and in Theddlethorpe in Lincolnshire in eastern England.

The studies will be conducted over several years to help ensure a GDF can be constructed, operated, and closed safely and securely. Each potential



Concept art showing a geological disposal facility with tunnels and vaults in deep underground rock, under the seabed. (Image: NWS)

location will be assessed against a number of siting factors, including safety and security, community, environment, engineering feasibility, transport, geology, and value for money.

According to NWS, the process of selecting a suitable site could take 10–15 years. As the U.K.'s

GDF program requires both a suitable site and a willing community, a decision to develop a disposal facility cannot be made until the potential host community has had a say and given consent through a test of public support.

FRANCE

Regulatory review of Cigeo repository initiated

Having deemed the application admissible, France's nuclear safety authority, Autorité de sûreté nucléaire (ASN), will undertake a technical appraisal of Andra's application to construct the Cigéo deep geological disposal facility for radioactive waste.

Andra, the French national agency for high-level radioactive waste management, submitted a construction license application for Cigéo to ASN on January 16. ASN's technical review, which is designed to verify that the project meets all applicable safety requirements, is expected to take three years.

According to Andra, the Cigéo application is the culmination of several decades of preliminary research and development work on issues such as site selection, the development of key components for the facility, and its main safety options. Located on the border between the Meuse and Haute-Marne departments of France, Cigéo is designed to dispose of HLW at a depth of 500 meters (1,640 feet) in a geological layer that has been stable for several million years.

Once the technical appraisal of the construction application has been completed, all institutional entities involved (environmental authority, local

information commission, local water commission, local authorities, European Commission) will be consulted, followed by a public inquiry. Authorization of Cigéo will be granted only after the technical appraisal and consultations have been completed, provided that they conclude the project is acceptable. ■

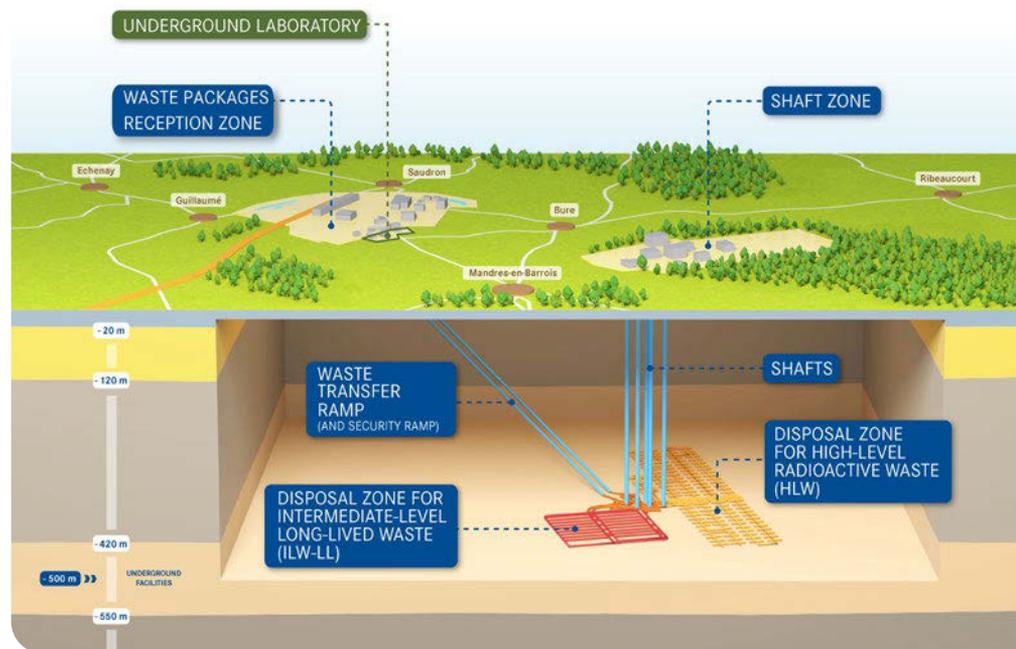


Diagram of the Cigéo repository in France. (Image: Andra)



Critical Maintenance Helps Safeguard a Clean Energy Future

Net zero emission policies across the globe, and more specifically in the USA, have nuclear power plants in the crosshairs of efficiency and safe power generation. According to the Department of Energy (DOE), Nuclear Power currently provides 52% of the nation's 100% clean electricity. However, shifting energy markets, among other economic factors, have already resulted in the early closure of 12 commercial reactors across the United States since 2013. These closures have put pressure on existing nuclear infrastructure, and the DOE has thus pledged a \$6 Billion Program, named the Civil Nuclear Credit (CNC) Program, to preserve the clean nuclear energy infrastructure of the United States.

While some may argue for building additional nuclear-generating capacity, the CNC program provides immediate investment opportunities for at-risk facilities to further strengthen their infrastructure and maintenance, to operate safely and efficiently. The CNC program will also help save thousands of clean-energy jobs for those who work directly and indirectly for these facilities.

These jobs are paramount to running these facilities, performing critical testing, and maintaining their critical systems. Focusing on the maintenance of these systems, most, if not all, of the facilities in operation, utilize planned maintenance shutdowns. Simply put, power plant units are on tightly pre-planned outage schedules. Typically, every one or two years, a facility will have a scheduled shut down for testing and maintenance of the critical systems.

Significant maintenance operations are required for heat exchanger optimization across the plant. While heat exchange occurs in multiple areas across the plant and energy product process, condensing processes significantly impact facilities' safe, optimal operation. Specifics on efficiency gains are referenced in the preceding articles *Delivering Mass Efficiency (and Bottom-Line) Gains Through Chemical Descaling*, previously published on NuclearNewswire.

As is common knowledge, most power plants draw large volumes of water from close-proximity sources like rivers, ocean water, or lakes. Raw water sources, like cooling ponds, are also used, often from soft lime-

“U.S. nuclear power plants are essential to achieving President Biden’s climate goals, and DOE is committed to keeping 100% clean electricity flowing and preventing premature closures,”

Secretary of Energy Jennifer M. Granholm.

stone rock formations. Commonly used in single-pass operations, this water runs through critical systems for cooling jobs and then returns to the source or other storage areas. While operational efficiency, the raw water’s single-pass nature eliminates or severely limits water treatment options. Therefore, this water tends to have a high mineral content, which increases the accumulation of scale when used in the heat exchange process.

The bottom line? Scaling is a significant issue in power plants that considerably impacts efficiency and profitability.

With the influx of financial support from the CNC program, nuclear power plants have the resources to properly maintain these critical systems. Innovative chemical or mechanical solutions have been paramount for safe and effective maintenance. Maintenance duties are typically contracted out, which heightens the solutions’ importance.

Plant operators continue pushing for solutions to drive efficiency from contractors and Original Equipment Manufacturers (OEM) solution providers. These solutions focus on reducing downtime, ensuring increased efficiency gains, and offering flexibility and versatility for use across the plant infrastructure.

OEMs, like Goodway Technologies, offer specialized equipment contractors use for the important maintenance of critical systems of nuclear power plants. More specifically, the raw water-cooled systems of the facilities’ heat exchangers. As mentioned above, due to the mineral content of the raw water used, scaling occurs within the system’s tube walls and

pipings. This scale significantly decreases efficiency, increasing generation costs, but, perhaps even more importantly, if left unmanaged, can cause significant damage to tubes and other internal mechanisms due to under-deposit corruptions – which shortens the operational lifespan and safety of the heat exchange system.

Goodway has been a trusted OEM for providing the equipment and approach, assisting contractors in performing critical descaling during a planned maintenance shutdown, and continuing to be at the forefront of engineering innovative mechanical and chemical descaling solutions. They offer chemical solutions with clean-in-place pumps and chemicals and the knowledge and support to ensure the right chemical formulation is used to complete the job safely and effectively. As well as mechanical solutions engineered specifically for cleaning a wide range of heat exchangers that are purpose-built to be easy to operate, delivering optimal results faster.

With more emphasis on nuclear power plants being a focal piece to continued clean energy shifts, the critical maintenance of their systems is as important as ever. Whether using contractors or in-house maintenance crews, choosing the right approach and equipment to safely ensure system longevity and efficiency is key. Partnering with industry-leading solution providers like Goodway, and their internal experts, brings operational experience and critical support to ensure the right equipment and approach is taken. This oversight and support help deliver seamless critical maintenance and expected results.



Monica Regalbuto addresses the 2022 IHLRWM plenary session, “Cool Reactors Coming to You Soon? But What about the Waste.”

IHLRWM Meeting: What About the Waste?

The management of advanced reactor waste and high-assay low-enriched uranium (HALEU) fuels will have some similarities to managing used nuclear fuel from the current light water reactor fleet and previously operated non-LWR reactors, but the new form factors and uranium assays will also require nuanced adjustments to cask designs, certifications, and disposal requirements. It is important to identify these differences as early as possible so that accommodations can be made for the differences.

To discuss what changes might be necessary to the existing infrastructure and what is being done to prepare for future storage, shipments, and disposal, a panel was organized at the International High-Level Radioactive Waste Management Conference, embedded within the 2022 American Nuclear Society Winter Meeting, held November 13-17, 2022. The panel session, titled “Cool New Reactors Coming to You Soon! But What About the Waste?” included leaders in nuclear waste from industry, national laboratories, and the federal government.

Panel chair Robby Joseph, a senior spent fuel analyst at Idaho National Laboratory, opened the panel by welcoming attendees and quoting nuclear pioneer Alvin Weinberg, who said, “During my years at [Oak Ridge National Laboratory], I paid too little attention to the waste problem. Designing and building reactors, not nuclear waste, was what turned me on . . . Had I do it over again, it would be to elevate waste disposal to the very top of ORNL’s agenda.” Joseph then pointed out that many on the panel and in the audience had a chance to “do it over again” with advanced reactors and nuclear waste.



Joseph

A sustainable system

Monica Regalbuto, who currently leads the Integrated Fuel Cycle Strategic Initiative at INL, was the first panelist to give remarks. Regalbuto has served in multiple national leadership roles, including as assistant secretary for the Department of Energy's Office of Environmental Management (2015-2017), where she was responsible for managing the environmental cleanup resulting from weapons production and nuclear research.

Regalbuto noted that as we moved to expand from low-enriched uranium (LEU) to a HALEU fuel cycle to support the deployment of advanced reactors, it is important to address what constitutes a sustainable nuclear energy system. Unlike the 1970s, when we were deploying LWRs with an LEU fuel cycle and the emphasis was mainly in safety and economics, today's advanced reactors and corresponding HALEU fuel cycle need to address not only the economic dimension, but the environmental and social dimensions. This requires addressing waste management and proliferation risk early, at the design and demonstration phases, she said.

Regalbuto continued by saying that the deployment of advanced reactors brings some changes to the fuel cycle. It brings changes in fuel characteristics, such as enrichment, as well as the use of alternative fissile materials such as plutonium and thorium, and new fuel compositions such as molten salts, carbides, and others. It also introduces new coolants and moderators, such as lead, sodium, and helium, as well as changes to the overall fuel cycle characteristics, including closed cycles and less frequent or continuous refueling.

In closing, Regalbuto addressed the importance of supporting the deployment of advanced reactors. Unlike the so-called nuclear renaissance of the 2000s, today's advanced technologies are driven by real needs, not just electricity growth projections. Among them are the need for clean energy to achieve our 2050 net-zero carbon goals and, equally important, energy security. Regalbuto said we need to reduce the risk of nuclear technologies by proactively addressing safety, proliferation risk, and, the most difficult to address, waste management. Today, no matter how much nuclear energy systems have improved, the waste still needs to be confronted. She continued that in her opinion, nuclear waste is everyone's problem, not just the government's.

Robert "Bob" Ledoux, program director at the Advanced Research Projects Agency—Energy (ARPA-E), followed Regalbuto. As the program director, Ledoux leads the ARPA-E ONWARDS (Optimizing Nuclear Waste and Advanced Reactor Disposal Systems) program, which aims to reduce the disposal impact of advanced reactor waste.

Ledoux explained that ARPA-E has the goals of increased energy efficiency, energy independence, reduced carbon emissions, and energy resiliency. ARPA-E is looking for low technical readiness levels and high-risk projects that are different from the currently funded work and have the potential to make step changes in the country's current energy research and development and implementation path.

Ledoux continued in describing some of these goals. For example, ONWARDS targets the back end of the advanced reactor fuel cycle with a specific goal of a 10-fold reduction in waste volumes, along with a goal of reaching a disposal cost of \$1 per megawatt-hour produced. Ledoux also highlighted ARPA-E's CURIE (Converting UNF Radioisotopes Into Energy) program, which is led by Jen Shafer. CURIE focuses on the reprocessing of LWR UNF to support advanced reactors that could recycle transuranic material for use as a feedstock, while also addressing ultimate disposal and cost targets.

Transportation

The next panelist to speak was Doug Ammerman, who has been at Sandia National Laboratories for 34 years working in radioactive material transportation safety. Ammerman has published over 100 technical articles and reports devoted to the safety of radioactive material transportation and is the lead author on the latest Nuclear Regulatory Commission spent fuel transportation risk assessment.



Regalbuto



Ledoux



Ammerman

Ammerman noted that the potential increased use of HALEU will require new transportation approaches. Currently, fresh LWR fuel is transported without additional security, but HALEU (a Category II material when its enrichment is greater than 10 percent uranium-235) will need more security due to its increased enrichment. Additionally, while fresh fuel is now shipped directly to reactor sites, in the future, entire reactors may be transported with fresh or used fuel within the reactor cores.

Ammerman raised several transportation questions, including: “What are the attributes of a container required to transport a soon-to-be functioning reactor?” “What kinds of temperature, vibration, and shock will it be allowed to experience during transport and still be guaranteed to perform at its destination for decades, sometimes possibly with only remote operational control?” “What attributes are needed in the transportation package to protect the small modular reactor or microreactor?” And, “What testing is needed to qualify the reactor once it arrives at its destination to ensure it is in the same condition as when it started its transportation journey?”

Ammerman continued by noting that these new fuel forms will often have increased actinide concentrations, more radioactive dose, higher temperatures, and potentially create more radiation damage to surrounding materials. He asked the audience to consider if this could cause embrittlement to internal reactor components. Overall, he noted that this is a very different transportation infrastructure than we currently have.

Recycling and reprocessing

Sven Bader, a technical consultant for Orano Federal Services, followed by noting that there is a difference between spent and used nuclear fuel, as well as between recycling and reprocessing. Spent fuel is fuel that has been irradiated in a reactor and is best suited for disposal in a geologic repository, whereas UNF is fuel that has been irradiated in a reactor and does not have a disposition path, but multiple options exist for its treatment, including recycling.

Reprocessing, Bader said, is the process of separating useful materials from UNF and the treatment of the non-useful materials into a form suitable and ideally optimized for disposal, whereas recycling involves the whole process from reprocessing to utilizing the useful materials separated during reprocessing, such as making new reactor fuel (e.g., MOX). Reprocessing is a subset of recycling, and both will need a repository for disposal of high-level radioactive waste.

While many of the proposed advanced reactors need HALEU fuels, Bader noted that there is no significant quantity (if any) of HALEU left in recycled fuel from these types of reactors. There is, however, plutonium and other transuranics that could be recovered by recycling and made into fuel that acts as a suitable replacement for HALEU.

Bader identified the benefits of reprocessing, regardless of whether the fuel is from an LWR or an advanced reactor. This includes the recycling of uranium and plutonium, the production of standardized and disposable waste forms free of safeguarded materials, the potential simplification of repository design (e.g., no criticality safety), the reduction of HLW volume by a factor of about five, the potential to recover other elements and radioisotopes, the reduction of interim storage and extended interim storage needs, and a reduced need for mined natural uranium.

In the United States, however, the drawbacks to reprocessing include licensing uncertainty (e.g., 23 self-identified gaps in 10 CFR Part 50), economics (e.g., difficulty in getting credit for federal repository benefits), waste management (e.g., regulation requiring disposal of HLW within 10 years), safeguards, and meeting the off-gas requirements in 40 CFR Part 190 (i.e., microdose to macropopulation). Bader pointed out that the process at France’s La Hague could not be duplicated in the United States because the krypton-85 releases would not meet the Environmental Protection Agency regulations, unless the UNF being reprocessed is very old (around 100 years).



Bader

With respect to advanced fuels, Bader summarized the recycling challenges as follows:

- Oxide/ceramic fuels in general pose little to no challenge to current processing methods (variable size may impact shearing).
- Accident tolerant fuels with doped cladding or fuel present some chemical processing challenges.
- Metallic fuels have and could be processed using aqueous separations but are likely better suited for pyroprocessing (limited throughput demonstrated to date).
- TRISO fuels are designed to be very robust and are likely best suited for a repository, as recycling this fuel will result in a high waste-to-fuel ratio and can be a challenge to penetrate its metallic outer layers.
- Salt fuels span the range of being ideally suited for treatment on line within a reactor to ideally being recycled through pyroprocessing.

Storage and disposal

With 12 years of experience in deep borehole repository and advanced reactor design, Ethan Bates currently serves as director of systems engineering at Deep Isolation, where he manages the product roadmap and technical risks of the reference architecture and conducts options analysis for new waste forms and repository configurations.

During the panel session, Bates said that deep borehole disposal includes a number of features that add flexibility to the back end of the fuel cycle. Specifically, the significantly increased geologic barrier, lower potential for criticality, and lower sensitivity of long-term performance to waste heat generation and engineered barriers are distinguishing features of the concept.

Bates added that deep boreholes can be deployed in a modular fashion, allowing new holes to be drilled as needed and requiring a smaller upfront capital investment compared with a mined repository. This allows costs to be spread out over time. The concept is experiencing serious international interest from countries with smaller waste inventories, vitrified wastes, and research reactor fuels. Some countries would only need one borehole to manage all their high-level waste.

The session's final panelist, Kim Petry, associate deputy assistant secretary for the DOE's Office of Spent Fuel and Waste Disposition, discussed how her office is working to develop and implement an integrated system to manage the nation's spent fuel and HLW. This system will include one or more federal consolidated interim storage facilities, transportation infrastructure, and a pathway to final disposal.

As part of its recent request for information on using a consent-based process to site an interim storage facility, the DOE received multiple public comments about how having a robust spent fuel management system can remove obstacles for advanced reactor deployment.

Petry noted that the DOE is currently supporting 10 advanced reactor designs. Along with that, the department is developing a high-level strategy for addressing R&D gaps for the storage, transportation, and disposal of advanced reactor spent fuel. This strategy focuses on TRISO and metallic fuels, but also includes other fuel types.

Petry described how the DOE has established an internal integrated project team to create technical assessments of the feasibility of advanced reactor waste storage, transportation, and disposal. This team is collecting data to help compare the costs of managing advanced reactor waste forms versus LWR waste forms. While the team is gathering fuel information from multiple vendors, obtaining detailed data can be difficult, as the information is often considered proprietary.

Petry concluded by noting that the DOE's Office of Spent Fuel and Waste Disposition has funded a National Academy of Sciences study about the management of spent fuel from advanced reactors. Her office plans to incorporate the study's findings into its future work. ■

Written by Robby Joseph, Sylvia Saltzstein, Monica Regalbutto, Robert Ledoux, Doug Ammerman, Sven Bader, Ethan Bates, and Kim Petry



Bates



Petry

The Ubiquity of PFAS: An Emerging Issue in Decommissioning

By Jay Peters,
Nadia Glucksberg,
and John Xiong

Per- and polyfluoroalkyl substances (PFAS), an anthropogenic class of several thousand chemicals made for use in products such as nonstick cookware, water-, grease-, and stain-resistant materials, surfactants, and fire suppression foams [1], are emerging as a complicating factor in nuclear decommissioning. These chemicals, which have been manufactured globally, including in the United States, have gained regulatory and public attention due to their persistence and ubiquity in the environment, ability to be detected at low parts-per-trillion levels, and health-based standards set at levels hundreds to thousands of times lower than more classic contaminants such as polychlorinated biphenyls (PCBs).

The regulation of PFAS is currently being driven on the state level, as opposed to the federal level. For example, more than 20 states have promulgated media protection standards, or are in the process of developing media protection standards, for PFAS. Due in part to public and political pressure to investigate and mitigate public exposures to PFAS, states are often requiring characterization of sites for potential PFAS contamination, including nuclear power plants that are currently undergoing decommissioning.

PFAS feature a carbon chain that is fully or partially saturated with fluorine atoms and a functional group such as carboxylic acid or sulfonic acid “head.” Figure 1 illustrates the structures of two common perfluoroalkyl substances (perfluorooctanoic acid [PFOA] and perfluorooctane sulfonic acid [PFOS]) as well as a common polyfluoroalkyl substance (6:2 fluorotelomer sulfonate [6:2 FTS]).

This chemical structure gives these compounds unique attributes: They repel oil and water; they have very good surfactant and antifriction properties; and they don’t readily degrade through natural chemical or biological mechanisms. Consequently, PFAS have been used in numerous consumer products (e.g., fabric treatments that repel stains or water, nonstick cookware, personal care products, packaging that is oil- and water-resistant), manufacturing processes (e.g., as fume suppressants, coatings, lubricants, and to facilitate mold release and extrusion processes), and are the principal component of aqueous film forming foam (AFFF), which is used to fight petroleum fires.

The chemical attributes of PFAS also mean that if they are introduced to the ground, they tend to migrate (i.e., leach) from soil to groundwater, travel with groundwater flow to form long plumes of contamination, remain present in the environmental media for decades, and cannot be destroyed in situ but must instead be physically removed. The recalcitrant nature of PFAS, coupled with its widespread use in consumer products and industry, also means that it can exist in environmental media as an anthropogenic background condition.

Regulatory interest in PFAS was initiated in the United States by the Environmental Protection Agency when the agency developed health advisory levels for PFOA and PFOS in drinking water (2008), then included PFOA and PFOS in limited monitoring of public water supplies (2013–2015), then lowered the health advisory levels by nearly an order of magnitude (2017) [1]. The wider-spread monitoring, coupled with improved analytical detection limits and lower regulatory values, highlighted the widespread nature of PFAS in drinking water. Several states then initiated their own regulations concerning PFAS, primarily focusing on developing drinking water health-based standards that were lower than the health advisory levels published by the EPA.

At the time of this writing, 10 states have enforceable standards for PFAS, while 13 additional states have regulatory guidance levels or are in the process of proposing enforceable standards. The EPA has proposed drinking water standards for PFOA, PFOS, and four other PFAS compounds that are lower than the levels currently set by states, and these are likely to become effective in the next year or two.

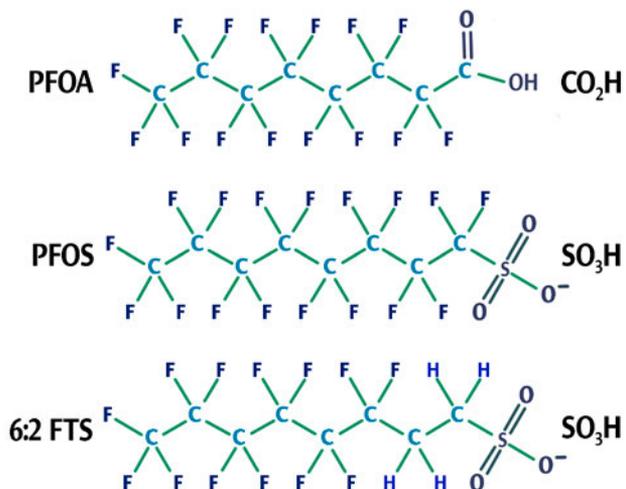


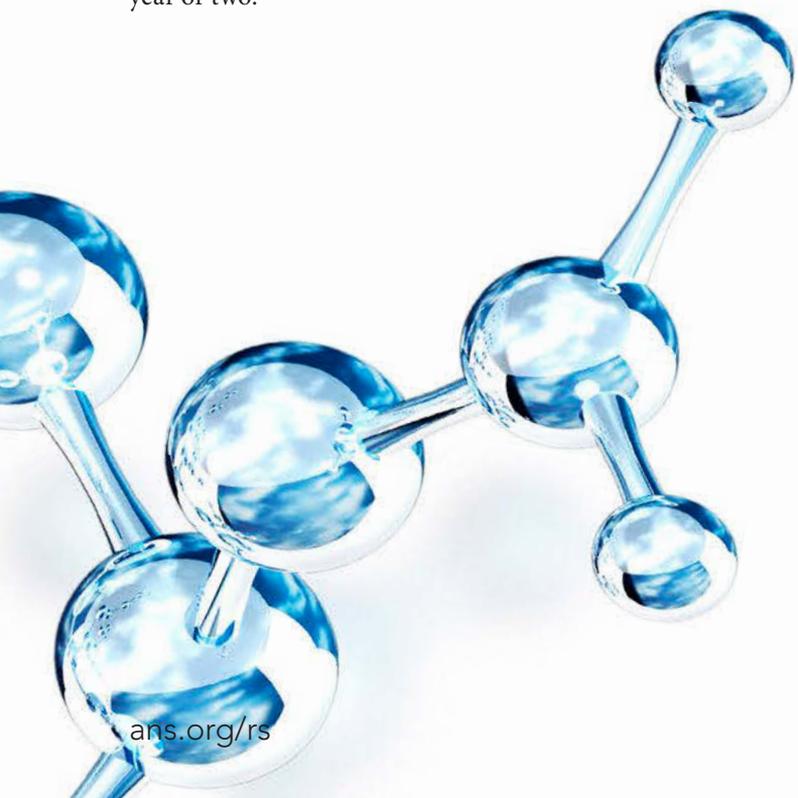
Fig. 1. Chemical structures of representative per- and polyfluoroalkyl substances.

Why are PFAS becoming a nuclear D&D concern?

PFAS are emerging as a complicating factor in nuclear power plant decommissioning because state environmental regulations govern the chemical (i.e., nonradiological) aspects of decommissioning, and as mentioned, PFAS regulation is being driven on the state level.

Due in part to public and political pressure to investigate and mitigate public exposures to PFAS, state regulatory agencies are often requiring characterization of sites for potential PFAS contamination, even if there is little information to suggest that activities conducted at the site would have released PFAS into the environment. In addition, it is anticipated that PFAS will soon be regulated by the EPA as hazardous substances under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), the Resource Conservation and Recovery Act (RCRA), the Safe Drinking Water Act, and incorporated into National Pollution Discharge Elimination System (NPDES) permitting. Once PFAS are regulated by the EPA, states will follow suit and include PFAS as regulated compounds, including the adoption of EPA drinking water standards for PFAS.

Consequently, there is an increasing chance that nuclear power plants that are (or will be) undergoing decommissioning will be forced to include PFAS in the characterization of environmental media. The decommissioning will in turn need to be positioned to address the regulatory response that may ensue from detecting PFAS in environmental media.



What are the potential PFAS sources?

There are several potential sources of PFAS at nuclear power plants. These include the following:

1. Fire suppression using AFFF: The use of AFFF at a facility to fight fires, or the use of AFFF in fire training exercises, are reasonable indicators that releases of PFAS to the environment may have occurred. In addition, facility fire suppression systems that use foam (typically AFFF), are suspected sources of potential release of PFAS to the environment.
2. On-site septic systems: Since PFAS have been (and continue to be) used in personal care products, food packaging, nonstick cookware, and in water- and oil-repelling fabric treatments, sanitary wastewater is a source of PFAS. This has been demonstrated through the sampling of wastewater treatment plant effluents and biosolids nationally, which have shown elevated concentrations of PFAS in those waste streams.
3. On-site landfills: If legacy landfills exist on the undeveloped portions outside the plant's protected area and have been used for the disposal of consumer products, then the landfill could be identified as a potential source of PFAS. PFAS can leach from the consumer products to infiltrating precipitation and then to landfill leachate or groundwater.
4. Off-site sources: Off-site locations where PFAS potentially have been released to the environment can be a concern because PFAS can travel long distances in groundwater, surface water, and air, resulting in an extension of PFAS contamination from those sources to a facility property. Off-site sources can include locations where AFFF was used, wastewater treatment plants, locations of biosolids land farming, and proximity to certain industries that generated or used PFAS.
5. Anthropogenic contributions: Several recent studies have documented the widespread presence of PFAS at low concentrations in surface soil and surface water. These prevalent low-level concentrations represent an anthropogenic background condition that is thought to be the result of PFAS emissions to the air and subsequent deposition on the ground surface, as well as discharges from wastewater treatment plants and stormwater into rivers.

Are regulations affecting current D&D projects?

State-driven regulations applicable to power plants that are undergoing decommissioning or are planned to undergo decommissioning include PFAS as regulated substances and can lead to extended schedules to reach site closure, especially when detected in groundwater above the state's cleanup criteria.

Table 1 lists several nuclear power plants that are entering the decommissioning process, the state regulations as of the present date that may be applicable to the non-radiological portions of decommissioning, and whether PFAS-specific cleanup requirements exist in those states. As shown, all of the states have environmental regulations that include one or more media protection standards for PFAS.

NUCLEAR POWER PLANT	STATE	POSSIBLE REGULATORY FRAMEWORK (CHEMICAL / NONRADIOLOGICAL)
Diablo Canyon and SONGS	CA	CA DTSC: Site Cleanup Program
Palisades	MI	MI EGLE: Cleanup Criteria Requirements
Oyster Creek	NJ	NJ DEP: Site Remediation Program
Indian Point	NY	NY DEC: Environmental Remediation Programs
Perry, Davis-Besse	OH	Ohio EPA: Voluntary Action Program
TMI2 and Peach Bottom 1	PA	PA DEP: Land Recycling Program
Kewaunee	WI	WI DNR: Remediation and Redevelopment Program

Table 1. Summary of potentially applicable state regulations and PFAS cleanup requirements in states where nuclear power plant decommissioning is planned or in early stages of characterization.

As of July, media protection standards for groundwater that is protected as a potential source of drinking water are published by all these states for two PFAS compounds: PFOA and PFOS. Values for PFOA range from 5.1 parts per trillion (ppt) in California to 70 ppt in Wisconsin, and values for PFOS range from 6.5 ppt in California to 70 ppt in Wisconsin. Overall, many of the groundwater protection standards for these states in the 8 to 20 ppt level. For perspective, the EPA has proposed maximum contaminant levels of 4 ppt for PFOA and 4 ppt for PFOS. Surface water standards published by Michigan are 420 ppt for PFOA and 11 ppt for PFOS, whereas the surface water standards being proposed by Wisconsin are more stringent at 20 ppt for PFOA and 8 ppt for PFOS. Media protection standards for soil are generally in the parts-per-million range.

What are the implications of investigating PFAS?

The intersection of regulatory concern over PFAS with nuclear decommissioning can be triggered by documentation or suspicion of any uses of AFFF, on-site septic systems, landfills, or land farming of biosolids, and operations that may have used PFAS-containing products. Sampling may also be triggered by requirements tied to drinking water permits, wastewater treatment facility permits, or stormwater permits. State-driven regulatory mandates can occur as part of the regulation of the nonradiological aspects of decommissioning and can result in the requirement to include PFAS in the list of chemicals that are evaluated during characterization of environmental media, even if there are no suspected uses or releases of PFAS on the facility property.

Regardless of whether there is a suspected source of PFAS at a facility or the regulatory agency simply mandates that PFAS be investigated, site-related sources, off-site sources, and anthropogenic background can result in PFAS detections and noncompliance of PFAS regulatory standards. These conditions place the burden of achieving or demonstrating compliance on the decommissioning project.

There are several factors that can have implications on decommissioning when PFAS investigation is required at a facility and in particular when PFAS is detected in environmental media at a facility.

1. Costs for sampling and analysis: Due to the extremely low analytical detection limits for PFAS and the prevalence of PFAS-containing items typically used during sampling (e.g., sample containers with Teflon lids, water-repellant clothing), introducing PFAS into a sample during sample handling procedures is a distinct possibility.

Combined with the relatively low regulatory levels for PFAS, cross-contamination from sampling can create the appearance that a sampling result is indicative of PFAS contamination. Therefore, sampling for PFAS must be conducted using sampling equipment that is constructed of PFAS-free materials and by personnel who are specifically trained in methods that avoid introducing PFAS during sampling. A multimedia sampling program for PFAS across multiple areas of concern can contribute tens of thousands of dollars additional to analytical costs to the decommissioning chemical characterization program.

MEDIA STANDARDS FOR PFAS		
GROUNDWATER (DRINKING WATER)	SURFACE WATER	SOIL
Yes Notification Levels [2]	No	Yes Environmental Screening Levels [3]
Yes Drinking Water Standards [4]	Yes Surface Water Standards [4]	No
Yes Drinking Water Standards [5]	No	No
Yes Drinking Water Standards [6]	No	No
No	No	No
Yes Drinking Water Standards [7]	No	Yes Statewide Health Standards [8]
Drinking Water Standards [9]	Proposed Surface Water Standards [10]	No

Continued



Fig. 2. The PFAS Annihilator by Revive Environmental, a Battelle company, is used to destroy PFAS through supercritical water oxidation. (Photo: Battelle)

2. Anthropogenic background as a contributing issue: PFAS exists as an anthropogenic background condition in soil, as evidenced by studies conducted by the Vermont Department of Environmental Conservation and Maine Department of Environmental Protection, which demonstrated that PFAS concentrations throughout urban, suburban, and rural areas range from 1,000 ppt to more than 5,000 ppt [11, 12]. It is not uncommon to detect individual PFAS compounds in groundwater at the 1 to 5 ppt range, without any apparent sources.

Finally, PFAS have been detected in pond, lake, stream, and river surface water at varying concentrations, with a trend toward higher concentrations in rivers that flow through urban areas [1]. Therefore, investigations for PFAS at radiological facilities undergoing decommissioning are likely to detect PFAS in environmental media, even if no source of PFAS exists at the facility.

3. Groundwater quality restoration: Currently, there is no proven commercially available technology to treat PFAS-contaminated soil in situ. Therefore, soil contaminated with PFAS must be excavated and disposed of in landfills permitted to accept PFAS-contaminated soil or subjected to thermal destruction at incinerators.

Groundwater must be extracted and cycled through granular activated carbon (GAC) or ion exchange resin or other systems (e.g., membrane filtration, foam fractionation) prior to discharge or re-injection. While this system of groundwater remediation is not unique to PFAS, a complicating factor with PFAS is the ultimate disposal of the spent GAC, resin, or membrane rejectate or foamate, which can be costly. PFAS remediation technology is rapidly developing, with in situ groundwater treatment techniques (such as reactive barrier systems and colloidal activated carbon) and PFAS destructive technologies (such as plasma, hydrated electrons, supercritical water oxidation, electrochemical oxidation) in development and testing (see Fig. 2).

For very low levels, and if the source is removed, then monitored natural attenuation is possible via dispersion and dilution. The extended sampling to document this remediation approach, however, could extend the long-term groundwater monitoring requirements by several years, if not decades.

4. Complications for dewatering: PFAS that is detected in groundwater can create a complication with water management if dewatering is required to support subsurface structure removal or soil removal during decommissioning. Independent of impending federal requirements for inclusion of PFAS in NPDES

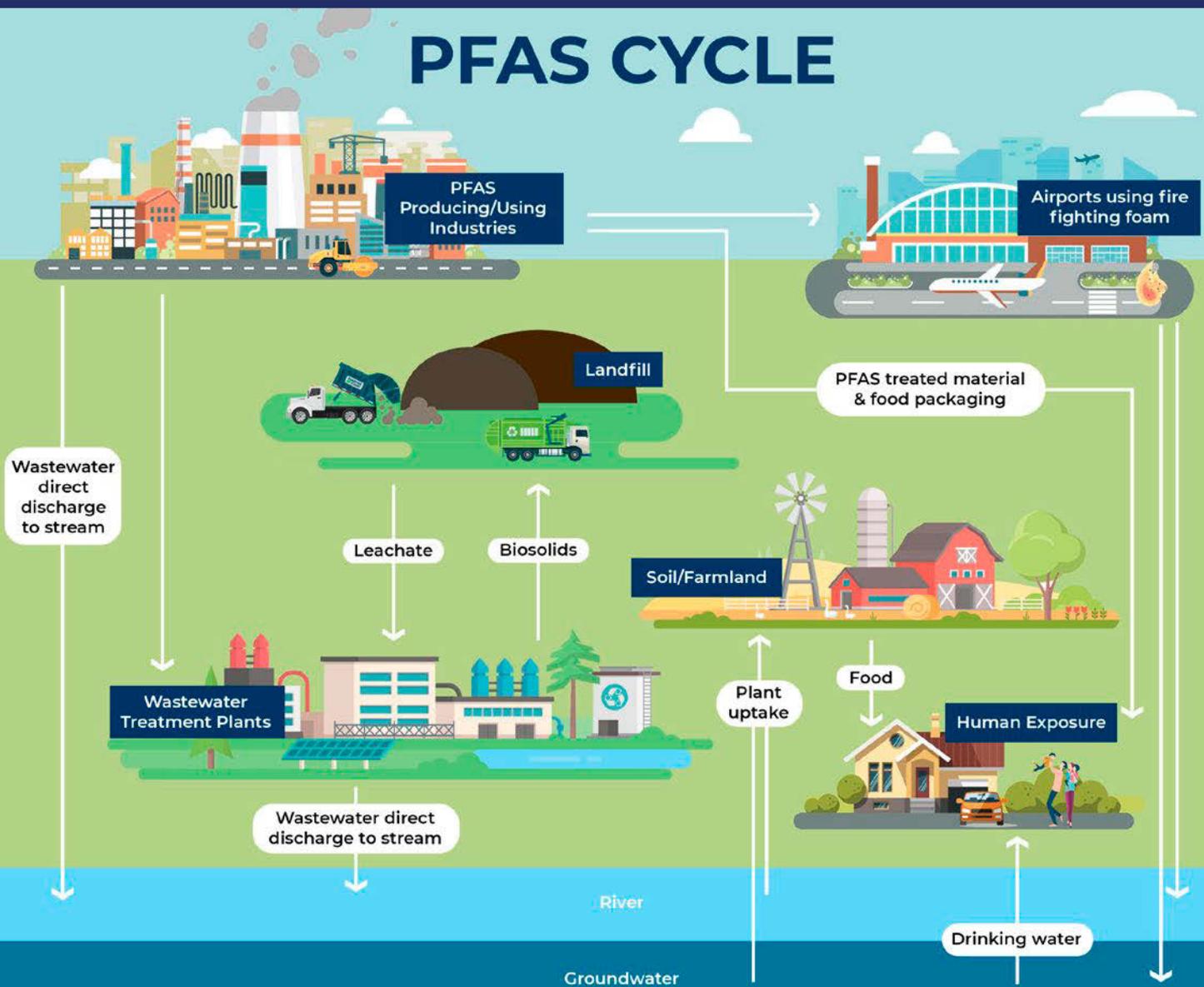
permitting, several states are already requiring that PFAS in groundwater be managed during dewatering activities. Management would typically require treatment of the groundwater with activated carbon or ion exchange resin systems prior to discharge.

5. The emerging issue of PFAS and radiologically contaminated media as a mixed waste: A mixed waste is defined as RCRA hazardous waste comingled with radiological wastes. The EPA intends to list certain PFAS compounds as hazardous waste under RCRA.

This could mean that soil and sediment that contains PFAS and radionuclides would have to be treated as a mixed waste. Mixed wastes carry substantially higher disposal costs than radiological wastes. Furthermore, facilities will need to be permitted to accept mixed waste that is PFAS. Criteria for determining when waste that contains PFAS and radionuclides is a mixed waste will need to be established by the EPA.

Continued

PFAS CYCLE



(Image: Walnut Valley Water District)

Conclusions

PFAS are being regulated by multiple states, and the EPA intends to establish federal drinking water standards, extend NPDES requirements, and list certain PFAS compounds as hazardous substances under CERCLA and hazardous wastes under RCRA. Nuclear facilities that are undergoing decommissioning may have sources of PFAS, particularly if there was use of AFFF, on-site septic systems or biosolids land farming, or on-site landfills. Consequently, facilities undergoing decommissioning should anticipate that regulatory agencies overseeing the nonradiological aspects of decommissioning will require chemical investigations to include PFAS.

Since PFAS exist as an anthropogenic background condition and can be present at a facility as an extension from an off-site source, it is not uncommon to detect PFAS during investigation activities. Regulatory standards for PFAS in groundwater and surface water are being set at low parts-per-trillion levels, which in turn increases the chance that investigations will detect PFAS in excess of the standards, even if there is no apparent source of PFAS at the facility. This in turn places the burden of demonstrating compliance with regulatory standards on the facility and can result in more extensive investigations or remediation of environmental media. Facilities undergoing decommissioning should anticipate increased costs and possible extension of decommissioning timelines to address PFAS. ■

Jay Peters is principal risk assessor, Nadia Glucksberg is principal hydrogeologist, and John Xiong is emerging contaminants practice leader with Haley & Aldrich, Inc.

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A rigger prepares a nitrogen storage tank to be taken down at the Oyster Creek nuclear power plant in New Jersey. (Photo: HDI)

SHARING D&D KNOWLEDGE IN A COMPETITIVE MARKET

BY TIM GREGOIRE

An NRC workshop this spring brought industry leaders together to share lessons learned in decommissioning U.S. nuclear power plants.

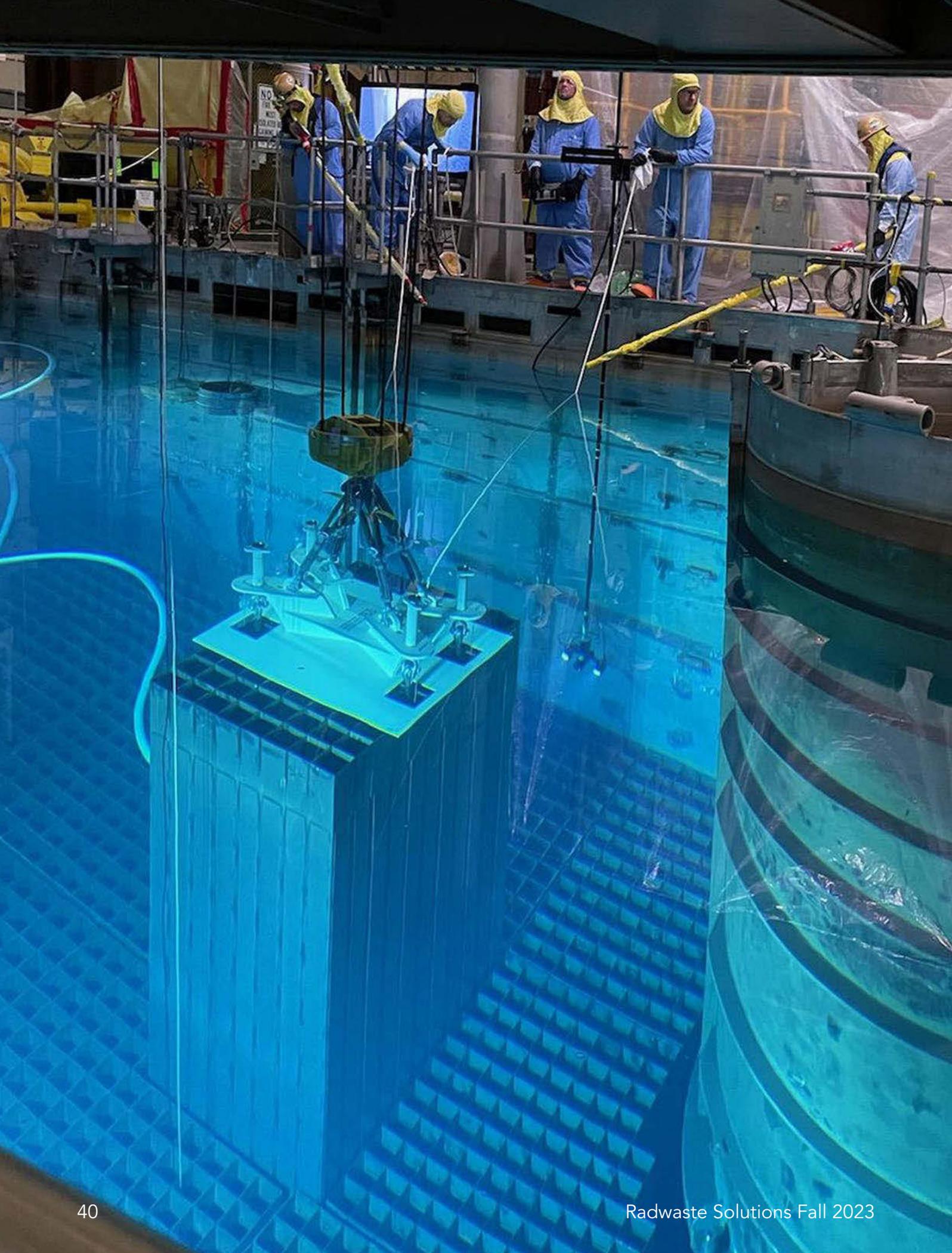
Currently, the Nuclear Regulatory Commission is overseeing 17 nuclear power plants that are undergoing active decommissioning. For 10 of those plants, the NRC licenses have been transferred, either through sale or temporary transfer, from the plant owner and operator to a third party, nonutility company for decommissioning. To be profitable, those companies are decommissioning the nuclear plants as expediently as they safely can, while still protecting workers and the environment, using proprietary techniques and processes.

As such, companies can be reluctant to share information on their decommissioning experiences with potential competitors. Within this environment, the NRC held a public workshop on May 2 to discuss lessons learned in nuclear power plant decommissioning. The goal of the workshop was to share best practices and help raise industry standards for more efficient and safer decontamination and decommissioning.

“In the past, lessons learned have been freely shared at industry conferences,” said Jane Marshall, director of the NRC’s Division of Decommissioning, Uranium Recovery, and Waste Programs, on opening the workshop. “Recently, this hasn’t been the case so much, and the NRC decided to organize this meeting as sort of an experiment to see if we can have meaningful discussions on lessons learned among the decommissioning companies that also see themselves as competitors.”

Held in conjunction with the Nuclear Energy Institute, the workshop featured presentations by decommissioning companies Holtec Decommissioning International (HDI), EnergySolutions, and Accelerated Decommissioning Partners (ADP), a joint venture of NorthStar Group Services and Orano. Leaders from the companies shared experiences on some of the plant decommissioning projects they are working on and the lessons they have gathered to date.

Continued





OYSTER CREEK

Plant owner Exelon shut down Oyster Creek, a single-unit, 625-MWe boiling water reactor located in Lacey Township, N.J., in September 2018. The NRC approved the transfer of the plant license to HDI, a subsidiary of Holtec International, for decommissioning in July 2019.

In the almost four years since decommissioning work on Oyster Creek began, HDI has shipped approximately 20 million pounds of waste from the site for disposal, said Jeff Dostal, HDI's site vice president for Oyster Creek. About 5 million pounds of that waste was reused or recycled, added Dostal, who offered that the reuse and recycling of plant components and materials is one of the central lessons HDI has learned.

"It doesn't change the efficiency and it doesn't change the cost. Actually, it is beneficial to the cost of decommissioning," Dostal said. He added that recycling makes sense from an environmental responsibility standpoint, as well as from an economic standpoint. "If you look at our economy right now and how hard it is to get certain things—irons, coppers, things like that—and the amount of that that is in the buildings, getting that back into the process is important to the industry."

In addition to reuse and recycling, Dostal said, HDI is reducing decommissioning waste costs through the segmentation and isolation of higher activity waste. "One of the things that we have just done is we pulled our heat exchangers, or evaporators, from our new radwaste building, segmented out certain portions of those, and sent that out as higher waste, and 90 percent of it went to low-level waste," he said. He added that it both reduces costs and provides additional financial assurance that the project can be completed with available funds.

Dostal, who has worked at Oyster Creek for 40 years, also noted the importance of adapting innovative techniques to decommissioning. "There is a distinct difference between operation and decommissioning, and you have to allow yourself to think outside of the box and use the innovative techniques that are out there," he said. "Innovations are being developed every day and you have to be open to that."

One of the innovations Dostal pointed out that HDI has employed to remediate Oyster Creek is the use of robotic vacuums to clean the reactor's torus water storage tank. Not all methods, however, need to be as technically advanced as robotics, Dostal said. He noted that the company made the decision early on to air condition the reactor building. For a small expenditure, the move has paid off in worker safety and efficiency, he said. "You have workers wearing double [personal protective equipment] just because they are cold to working in there," Dostal said. HDI has not had a personnel contamination event to date at Oyster Creek, he added.

The spent fuel rack is removed from Oyster Creek's spent fuel pool to be packaged. (Photo: HDI)

Continued

With major decommissioning completed at Illinois' Zion plant, the plant's iconic containment towers (right) are gone and all that remain are a ComEd substation and the plant ISFSI. The site is still awaiting release by the NRC.

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ZION

When, in September 2010, the license of Illinois' Zion nuclear power plant was transferred from Exelon to EnergySolutions' subsidiary ZionSolutions for the express purpose of decommissioning, it ushered in a new model of third-party D&D. ZionSolutions was able to complete the decommissioning work within 10 years, as promised, and the Zion site was restored in 2020. While the NRC approved the transfer of Zion's license back to Exelon in November 2019, however, the agency has yet to release the land for unrestricted use, as it is still reviewing ZionSolutions' final status survey reports.

During the demolition of Zion, a sacrificial layer of soil was placed near the reactor's buildings to help capture any contaminants, said John Sauger, EnergySolutions' chief nuclear officer. ZionSolutions later found, however, that the soil was not able to prevent some contamination from escaping.

"What did we learn from the Zion experience? We are no longer storing any waste outside in the weather," Sauger said. "All waste generated in future projects will be stored inside in tented structures. It is not left out in weather, which can result, as with Zion, in contamination getting washed off the waste pile and down into the soil."

Sauger also noted that another challenge in completing D&D projects, one that applies to all nuclear power plants, is that most of the waste volume is generated during the final two years of decommissioning, when the containment building is razed. "This creates a significant challenge on the waste organizations because there is not

enough railcar and turnaround capacity into the disposal facilities," he explained.

To avoid this issue at the Fort Calhoun nuclear plant in Nebraska, Sauger said, EnergySolutions is working to flatten the waste curve. At Fort Calhoun, which began decommissioning in 2019, the plant's turbine and auxiliary buildings have been razed, and the fuel pools have been demolished, packaged, and shipped to EnergySolutions' disposal facility in Clive, Utah, Sauger noted.

"We got 50 percent of the waste off way earlier than on any other project in the history of the U.S.," he said of Fort Calhoun. "This results in a significantly flattened waste disposal curve. It is much easier for a rail shipment and facility to turn around to process the waste."

Another lesson Sauger noted from Zion, one that does not have a definitive answer, is the need for a simplified license termination process. He noted that when it comes to removing a nuclear power plant, most people think it is a simple matter of knocking down buildings and shipping the waste for disposal.

"The reality is, you don't decommission a power plant with a hammer and a hydraulic shear; you decommission it with a pen. It is all the paper that has to be processed," he said, adding that ZionSolutions has submitted more than 40,000 pages to the NRC related to its license termination plan, release records, and requests for additional information. Sauger suggested that the NRC and the decommissioning industry conduct another meeting solely to discuss ways to simplify the termination process and make the paperwork less cumbersome for everyone.

Continued



Vermont Yankee's segmented reactor vessel head is lowered into a custom-built package for transportation and disposal. (Photo: Orano)

VERMONT YANKEE

A single-unit, 617-MWe boiling water reactor, the Vermont Yankee nuclear power plant was shut down by owner Entergy in 2014. Initially, the plant was to be placed in the NRC's SAFSTOR status for deferred decommissioning. In October 2018, however, Vermont Yankee's license was transferred to NorthStar Group Services for prompt decommissioning. The plant is currently being decommissioned by ADP, a joint venture of NorthStar and Orano formed in 2017.

Corey Daniels, Vermont Yankee's independent spent fuel installation senior manager, said that Vermont Yankee has adopted NorthStar's "Target Zero" principles of safety, with the goal of eliminating all accidents. Since NorthStar took ownership of Vermont Yankee, there have been no citable regulatory violations and no recordable lost-time events during the 1.5 million person-hours worked (as of May), Daniels said.

"We [adopted] the principle of slow is smooth, smooth is fast," Daniels said. "We were able to

bring that into our culture, and we have made quite a bit of progress at Vermont Yankee since 2019."

While ADP has been able to prevent any major accidents on the site to date, it is extremely difficult to avoid any mishaps during an undertaking as large and complex as the decommissioning of a nuclear power plant. Daniels shared a few of those and the lessons they provided.

The first such incident occurred during the segmentation and packaging of the reactor head. Daniels noted that a 7-ton piece of the segmented head that was determined to be appropriately placed on cribbing, nonetheless fell over. Fortunately, the piece fell during off-hours when no workers were in the area. "We did not positively control that load and it was a miss on our part," he said.

Daniels said that the incident was partially the result of an overreliance on the project engineering and less reliance on the recommendations and advice of those with expertise in rigging. "I would





offer that as advice to all the other entities—maintain subject-matter expertise for the lifting and handling of materials, train people regularly, and ask folks to be involved in the design of the work planning,” he explained.

Another incident Daniels cited involved a train that had come onto the site to pick up materials, where the wheels of a railcar came slightly off the track. While considered a derailment, the incident was minor, with the railcar only slightly shifting. Likewise, no materials from the plant had been loaded onto the train. Daniels said they were able to get the railcar back on the tracks, repair the line, and return it to service in less than four days.

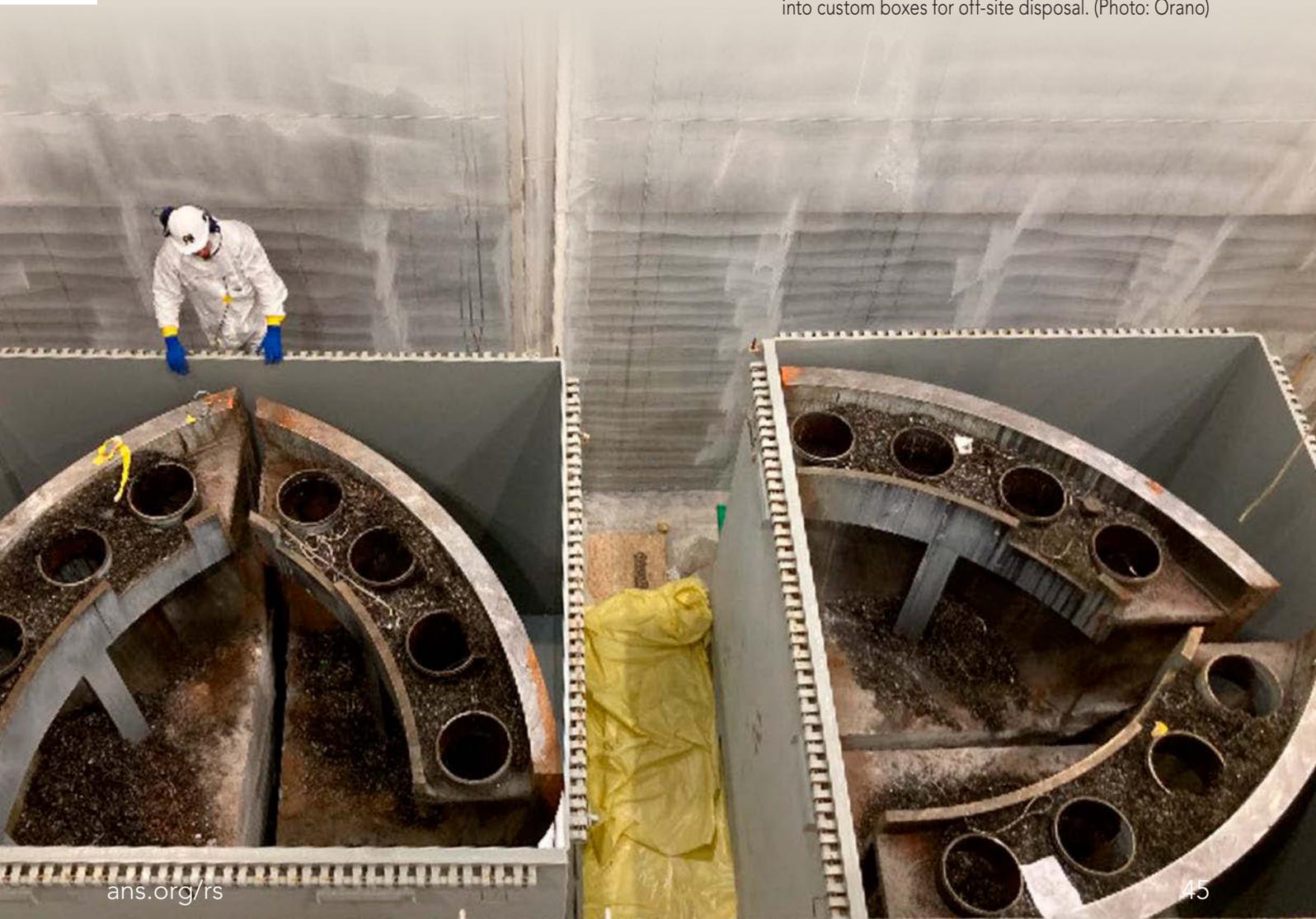
While a small incident, Daniels noted that it could have been much more consequential given recent train

derailments elsewhere involving hazardous materials, such as the February accident in East Palestine, Ohio. “I’m sure it would not be characterized very well, and it would come under a great deal of public scrutiny, had this been carrying a load of radioactive material or waste from the site,” he said.

Daniels recommended that if a site has rail lines on it that the decommissioning company retain a rail expert and conduct inspections of the line frequently. He noted that ADP had been doing quarterly inspections with the rail provider and carriers prior to the incident, but they now visually inspect the line every week. The company also conducts a more detailed quarterly inspection that is documented with the local carriers.

Continued

Pieces of Vermont Yankee’s segmented reactor vessel are loaded into custom boxes for off-site disposal. (Photo: Orano)



CRYSTAL RIVER-3

For the NRC workshop’s final industry presentation, Geoff Wilde, then president and chief executive officer of Orano Decommissioning Services, provided an update on the progress at Florida’s Crystal River-3, which is also being decommissioned by ADP. A 860-MWe pressurized water reactor that was permanently shut down by Duke Energy in 2013, Crystal River-3’s license was transferred to ADP in October 2020.

Wilde said that for the segmentation of Crystal River-3’s reactor vessel and internals, ADP used a patented process it calls optimized segmentation. The process, he said, involves cutting the vessel internals into segments, removing any greater-than-Class C waste, and repackaging the remaining segmented internals within the vessel. The vessel and its contents are then fully grouted, and the entire vessel is cut into three large “tuna can slices,” he said.

“By reducing the number of cuts and taking these [vessel segments] in the large packages, we are really able to reduce schedule quite a bit, which also reduces worker exposure,” Wilde explained, adding that much of the reactor cutting is done remotely, further reducing worker dose.

Crystal River-3’s vessel segments are to be packaged and shipped to Waste Control Specialists’ Texas facility as Type B packages. Transporting the reactor’s larger components and waste off-site is made easier by the ability to ship materials by water using a barge, Wilde noted.

Wilde also explained that at both Vermont Yankee and Crystal River-3, ADP used a combination of mechanical cutting and waterjet cutting when segmenting the reactor vessel and internals. He said ADP found that the use of abrasive waterjet cutters produces a lot more secondary waste, an issue that was pointed out by other workshop presenters. “We are one of the main waterjet users—we have used it and continue to use it in Europe and in certain areas,” he said. “But on the projects that we are seeing here in the U.S., the mechanical [cutting method] is really the preferred way to go.” ■

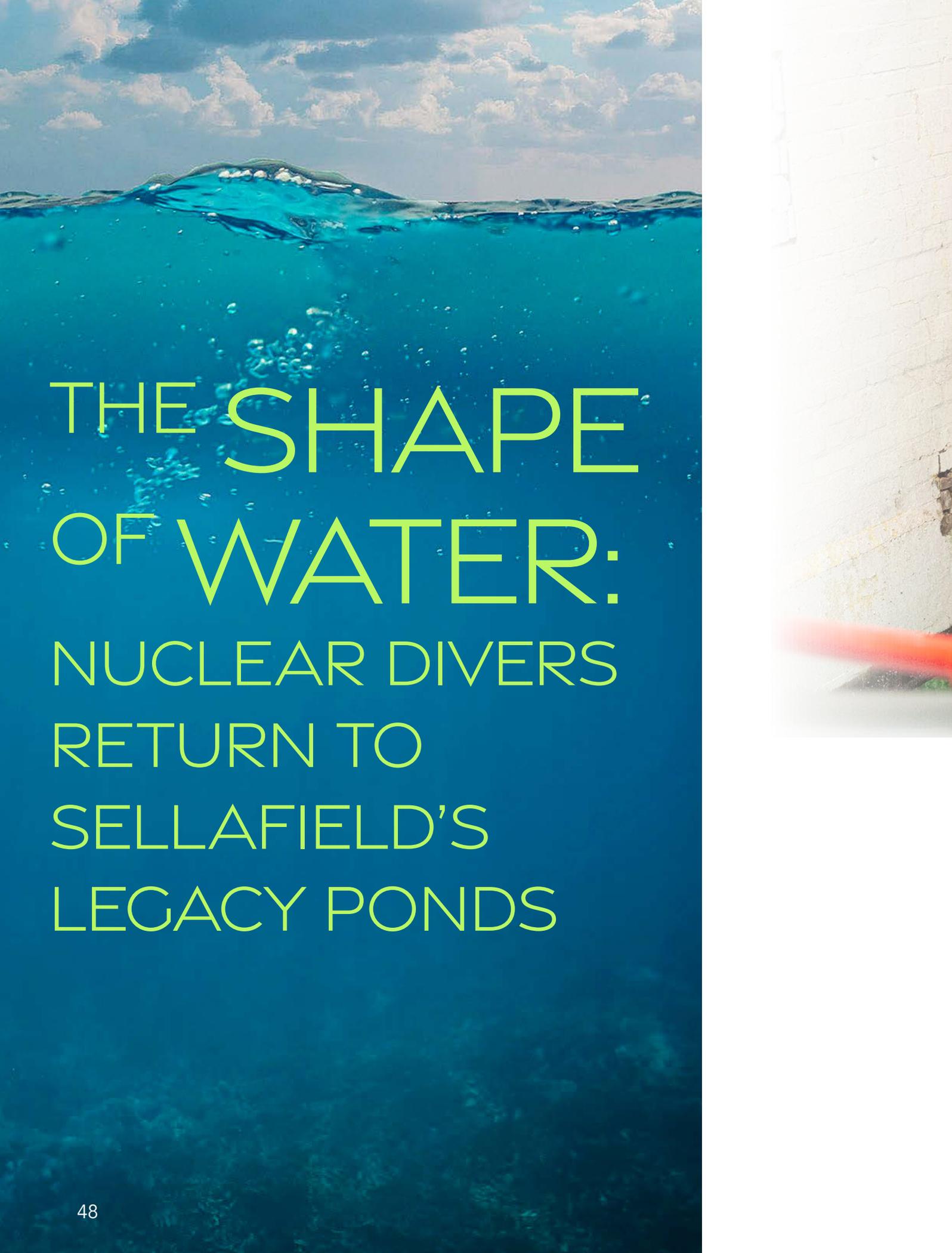




(ABOVE) Crystal River-3's reactor vessel undergoes core barrel segmentation using ADP's optimized process. (Photo: Orano)



(LEFT) The independent spent fuel storage installation at Crystal River-3. (Photo: Duke Energy)



THE SHAPE OF WATER: NUCLEAR DIVERS RETURN TO SELLAFIELD'S LEGACY PONDS



Josh Everett, a diver with UCC UK Ltd., enters bay No. 11 of Sellafield's Pile Fuel Storage Pond in December 2022, the first time in over 60 years a diver has entered the legacy pond, used to store a variety of spent nuclear fuel types and wastes. During this commissioning nuclear dive, Everett's underwater tasks included emergency diver extraction trial confirmation, radiation monitoring system verification, and radiation contact meter commissioning. (Photos courtesy of Sellafield Ltd.)

The last time a human entered the Pile Fuel Storage Pond at the Sellafield nuclear site in Cumbria, England, was in 1958, when records show a maintenance operator and health physics monitor carried out a dive into the newly constructed pond to repair a broken winch. At least that was true until December 2022, when Josh Everett, a diver from the U.K. specialist nuclear diving team Underwater Construction Corporation (UCC) UK Ltd., became the first person in more than 60 years to work in one of the most unique workplaces in the world.

The dive was part of a nuclear diving pilot project at Sellafield's Pile Fuel Storage Pond completed by UCC UK Ltd. According to Sellafield Ltd. and the U.K.'s Nuclear Decommissioning Authority (NDA), the project marks a significant decommissioning milestone for the site, demonstrating the capability of the company's methods and equipment to remediate the legacy nuclear pond while limiting worker dose. A subsidiary of NDA, Sellafield Ltd. is the site license company tasked with the remediation of the Sellafield nuclear site, including the decommissioning of its legacy nuclear ponds.



According to UCC UK Ltd., the very low radiation exposure its divers received during the pilot project proved divers could safely enter the pond and complete tasks while receiving as low as reasonably practical exposure to ionizing radiation. UCC UK Ltd. reported that the dose received by its divers was 0.1 millisieverts per dive. The annual dose limit for a nuclear worker in the United Kingdom is 20 mSv, and below that, the Sellafield site conservatively applies an annual limit of 10 mSv.

The success of the project permits the Sellafield legacy ponds program team to accelerate retrieval operations by using a well-established range of tools to remove sludge, debris, and concrete-encased steelwork safely and efficiently. The repeatable process of nuclear diving also enables access to previously hard-to-reach areas such as corners, troughs, and locations behind steelwork.

“Since the 1970s, our nuclear diving experience has shown that the safe use of divers lowers overall program radiation exposure; reduces overall schedule and cost; and is regulator endorsed, proven, and repeatable,” said Philip McDermott, chief operating officer of UCC UK Ltd.

The oldest pool on the Sellafield site, the Pile Fuel Storage Pond was constructed between the late 1940s and early 1950s as a storage and cooling facility for irradiated fuel and isotopes from the two Windscale reactors and was in full operation until 1962. Through the mid-1970s, the pond facility, one of six on the site, was then used for storage of intermediate-level waste and fuel from the U.K. nuclear program.



Continued

Left: UCC UK Ltd. dive supervisor Jeremy Swoyer is cleaned by a dive tender after exiting the water following a February dive. Upon exit, nuclear diver tenders clean and dry the diver suit and prepare to remove the diving helmet. According to UCC UK Ltd., this dive lasted a little over three hours, during which Swoyer removed a de-canner rail assembly for packaging. This involved the removal of welds using hydraulic cutting tools. Having nuclear divers working close to the task at hand using multiple layers of safety and time-tested tools should get Sellafield's legacy ponds cleaned sooner.

Below: Assisted by radiation monitoring technicians, dive controllers in the dive control center oversee the pond dive by CCTV, providing instructions to the diver through an audio feed. The diver wears real-time monitoring equipment, which is transmitted to radiation monitoring technicians, who serve as an integral part of the dive team.

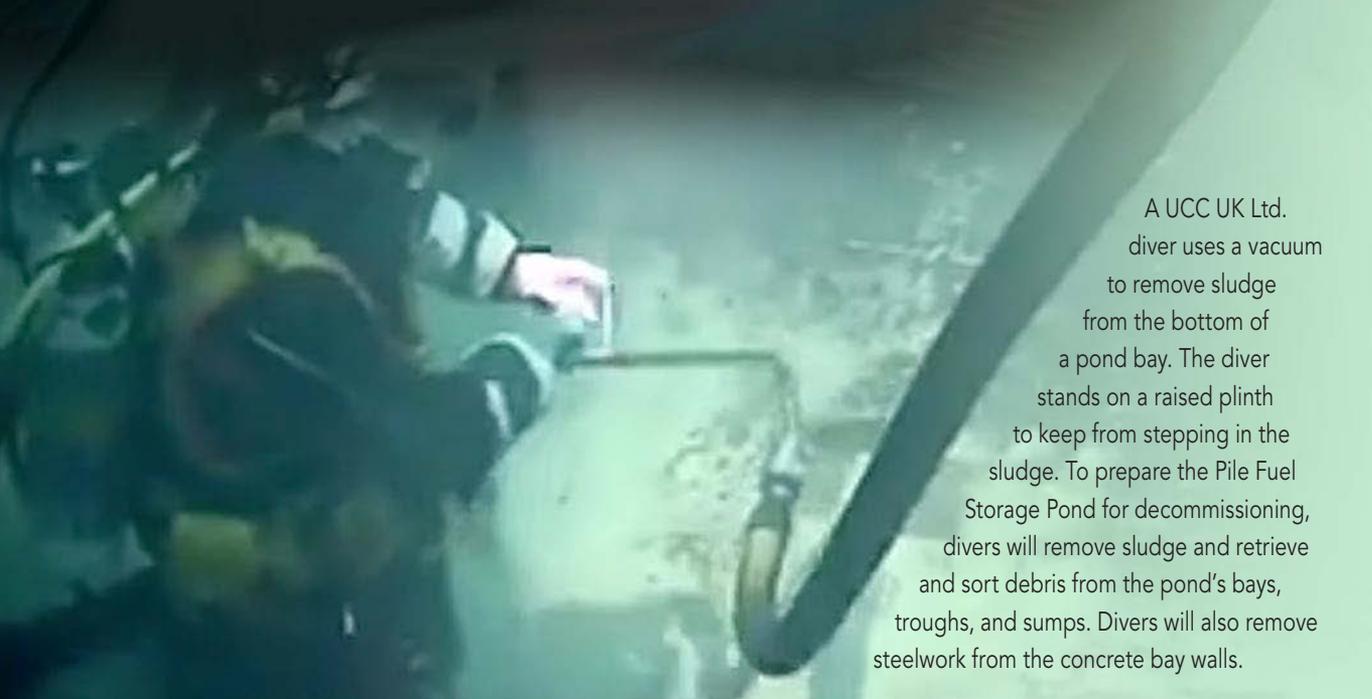






A trolley is pulled from the pond to remove solid waste from the facility as it is prepared for decommissioning. The Pile Fuel Storage Pond has 12 wet bays, in which fuel was de-canned and exported for reprocessing. Prior to the removal of equipment, the bays were congested with redundant machinery from reprocessing operations.

Continued



A UCC UK Ltd. diver uses a vacuum to remove sludge from the bottom of a pond bay. The diver stands on a raised plinth to keep from stepping in the sludge. To prepare the Pile Fuel Storage Pond for decommissioning, divers will remove sludge and retrieve and sort debris from the pond's bays, troughs, and sumps. Divers will also remove steelwork from the concrete bay walls.



Below: The Pile Fuel Storage Pond as it looked near end of construction around 1947. Irradiated fuel and isotopes from the two Windscale reactors were placed into large skips and transferred to the pond via submerged water ducts. The fuel was cooled in the pond before being de-canned underwater and exported in small flasks for reprocessing at other site facilities. Later, the pond was used for the storage of miscellaneous intermediate-level waste and fuel from the U.K. nuclear program for which no defined disposal route was available.





As part of an earlier campaign to remove intermediate-level waste, a fuel skip is removed from the storage pond. The facility was placed into a passive care and maintenance regime in the 1970s, until a remediation program was initiated in the 1990s.

According to UCC UK Ltd., prior to the dive, the company, in partnership with Sellafield Ltd., spent more than four years developing customized procedures, processes, and equipment to optimize safety and working conditions for the divers while minimizing exposure to radioactive materials. Dive trials were conducted at an off-site facility that closely mimicked the Pile Fuel Storage Pond using specially developed dive platforms, CCTV monitoring, diver-manipulated long-reach tooling, cutting equipment, and radiation monitoring equipment.

“Augmenting and supporting proven technology such as ROVs, existing plant tools, and microdiggers, the opportunity of using nuclear divers will advance hazard and risk reduction,” said McDermott. “The innovative approach builds on earlier NDA, [Office for Nuclear

Regulation, Health and Safety Executive], and Magnox’s successful use of the nuclear diving technology in the Dungeness A and Sizewell A spent fuel ponds.”

UCC UK Ltd. said the use of experienced nuclear divers complements previous pond work that used remote systems and equipment, and the rigorously monitored activities allow the diver to be close to the work. This ultimately reduces schedule time and in turn helps reduce the risk, the company added.

“Collaborating with UCC UK Ltd. has helped us make real progress in cleaning up the [Pile Fuel Storage Pond] and will help us deliver our mission of creating a clean and safe environment for future generations,” said Carl Carruthers, head of Sellafield Ltd.’s program delivery for legacy ponds. ■

Paradigm Shift

Monitoring Savannah River's groundwater using artificial intelligence and machine learning techniques.

By Chris O'Neil

A close-up of the ALTEMIS monitoring device.
(Photo: Brad Bohr/SRNL)



Researchers at Savannah River National Laboratory (SRNL), in concert with Lawrence Berkeley National Laboratory, Massachusetts Institute of Technology, Pacific Northwest National Laboratory, and Florida International University, are leading the Advanced Long-Term Environmental Monitoring Systems (ALTEMIS) project to move groundwater cleanup from a reactive process to a proactive process, while also reducing the cost of long-term monitoring and accelerating site closure.

Reducing the cost of long-term monitoring is a priority for the Department of Energy, as the agency's liability for long-term monitoring is projected to expand for decades and cost billions of dollars.

Using artificial intelligence and machine learning (AI/ML) techniques, the ALTEMIS program is poised to provide a monitoring capability for use throughout the DOE complex that is designed to predict future contaminant flux by tracking real-time master variables that predict contaminant migration and provide early warning of unwanted plume behavior.

“The typical long-term monitoring paradigm is to have a network of sampling wells, send humans to the field to take samples—typically quarterly—analyze the samples in the lab for a variety of contaminants, and identify if contaminant concentrations exceed regulatory limits,” said Thomas Danielson, principal scientist in SRNL's Environmental Sciences and Dosimetry group. “The Government Accountability Office estimates the long-term monitoring liability for [the Department of Energy's Office of Environmental Management] to exceed \$500 billion, and a large portion of this cost is related to these sampling efforts.”

Long-term monitoring is necessitated by the widespread implementation of passive processes for remediation of complex groundwater plumes. Active remediation is very expensive and requires pumping contaminated groundwater out of the ground, treating it, and injecting the clean water back into the ground. Passive remediation strategies are based on addition of an amendment to the groundwater to precipitate the contamination, removing it from the groundwater but leaving the contaminant in the ground as a solid precipitate that won't dissolve back into the groundwater. This passive approach brings with it considerable cost savings when compared with active remediation techniques; however, it requires continued monitoring of the attenuated contaminants. This new approach led to discussion of how monitoring could be done more effectively.

“On the Savannah River Site, in F-Area, we have worked with the site customer to successfully implement an innovative passive remediation system, so now our team has been focused on a better approach for effective monitoring of this new system,” said Carol Eddy-Dilek, program manager for ALTEMIS at SRNL. “Most people are talking about placing sensors in the [monitoring] wells to measure the contaminant concentrations. These sensors tend to be very expensive and require frequent calibration.

“We came up with an alternative concept based on the paradigm that a contaminant plume is essentially a subsurface geochemical perturbation that is not in equilibrium with the environment. In F-Area, we have all these radionuclides in the groundwater plume and the pH is around 2, with the background pH around 5 to 6, a very significant geochemical shift. We need to monitor to ensure that the attenuated contaminants remain stable as the groundwater system, specifically pH, returns to baseline conditions over the next two or three decades. So, we've implemented a monitoring system focused on measuring key geochemical changes,” said Eddy-Dilek.

Continued



Researchers install a groundwater monitoring device in a well at the Savannah River Site. (Photo: Brad Bohr/SRNL)

“We can’t have a big release of attenuated strontium or something like that,” she said. “So, we came up with the concept of measuring the controlling chemical variables that cause contaminants to be released into the groundwater, and by measuring those, we can actually predict movement before it even happens,” said Eddy-Dilek. “It’s a real paradigm shift.”

Because this is the first implementation of this approach for groundwater monitoring, it requires substantive validation of the robustness of the system. Past research activities at F-Area included detailed subsurface characterization, where geologic layers in the ground that control contaminant movement were mapped and characterized. The resultant information was then integrated into the development of a sophisticated reactive transport model that can be used to evaluate the innovative monitoring approach.

“That allows us to look at how and where the uranium is going to move in the future and how the geochemistry is going to change over time,” said Eddy-Dilek. The model allows the team to use decades of past sampling data to predict what will happen in the future.

“By incorporating passive *in-situ* sensing technologies and artificial intelligence/machine learning with the reactive transport model, we can shift the paradigm from reactive sampling to proactive long-term monitoring by measuring data that can indicate changes in the environmental conditions such as hydrological, geochemical, and geophysical, and

then using those data to make predictions or forecasts of what the resulting impacts will be to contaminant concentrations in the future,” said Danielson.

According to Danielson, not only does ALTEMIS represent a seismic shift in monitoring effectiveness, ALTEMIS has the potential to reduce the long-term monitoring costs by up to 90 percent.

“AI/ML plays several key roles in ALTEMIS and long-term monitoring, said Danielson. “First, it allows us to characterize the system by identifying geophysical and chemical master variables that are strongly correlated with contaminants of concern. In other words, it tells us what data we need to be measuring for a given system. It also enables spatiotemporal optimization for location of the sensor networks, telling us how frequently and where we need to be measuring the data,” he said.

Danielson said that balancing both cost and data quality is part of the process, noting that installing too many sensors would increase costs and potentially lead to less accurate datasets. He also said use of AI/ML allows prediction of contaminant concentrations into the future with high enough accuracy to guide decision making.

The ALTEMIS project sensors transmit data via a cellular network to the cloud, where researchers from several institutions can access the data to apply ML techniques or to incorporate spatiotemporal data into deterministic



An area of Savannah River wetlands and sediment-capped basins being monitored by ALTEMIS. (Photo: Savannah River Site Photography)

hydro-geophysical and chemical models.

There is an array of sensor types in addition to the sensors located in wells.

Another key need for F-Area is to prevent migration of any contamination from the residual waste disposed in the on-site disposal facility. The ALTEMIS team deployed resistivity tomography system in the basin cap by installing a cable with electrodes that measure the conductivity of soil, according to Hansel Gonzalez-Raymat, a senior scientist in SRNL's Environmental Sciences and Dosimetry Group. "And the cool thing is you can detect the conductivity of the soil at different depths," said Gonzalez-Raymat. "You'll be able to see if conductivity has changed at different depths after a rain event, indicating a leak in the cap. We're using this approach to ensure the protectiveness of the cap," he said. "With the sensors, you can see what is happening within the cap, so when you see changes in conductivity, you'll be able to tell if the cap was degraded or leaking."

The paradigm shift is underway in other locations besides the Savannah River Site's F-Area.

"We are working to apply ALTEMIS techniques to groundwater plumes containing heavy metal contaminants emanating from facilities containing coal combustion residuals," said Danielson. "We are also applying AI/ML for mercury vapor monitoring at Oak Ridge's Y-12 legacy mercury use facilities to understand controlling variables, meteorological driving forces, and make predictions of mercury vapor releases inside buildings undergoing deactivation and decommissioning. That work is guiding worker safety," he said.

"Now we need to start talking to the [state] regulators and stakeholders, to educate them about the benefits of the

system," said Eddy-Dilek, "If we're going to institutionalize this, maybe we can use these techniques to improve long-term monitoring and minimize costs by reducing the locations and frequencies of well sampling and analysis."

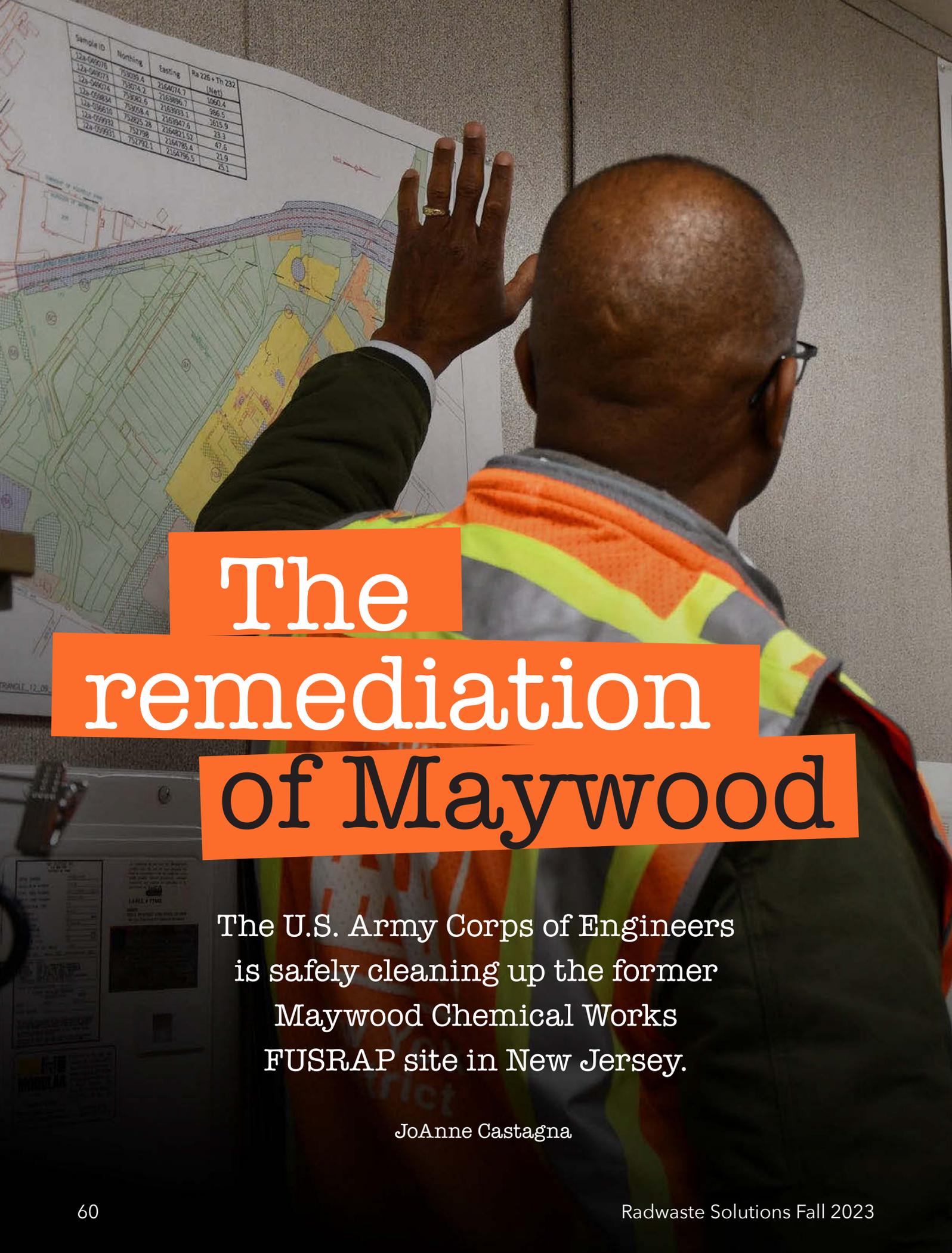
While ALTEMIS can be applied to at least nine DOE sites, the system is not one-size-fits-all. The variables ALTEMIS will monitor for are determined in part by the ML that shapes the model and determines the correlations between the controlling geochemical factors and the contaminants. That information determines what needs to be monitored and how frequently.

"So, for Moab, Utah, we're also thinking about using electrical resistivity tomography, but the application is different," said Eddy-Dilek. "We're looking at putting electrodes on the surface to monitor the stability and location of an ammonium plume, because the conductivity of the ammonium plume is fundamentally different from the overlying groundwater. At F-area we're talking about a depth of 10 feet; at Moab we're looking at about 100-200 feet below the surface," she said.

The DOE-EM mission is, "to address the nation's Cold War environmental legacy resulting from decades of nuclear weapons production and government-sponsored nuclear energy research." That legacy contains some of the most challenging radioactive sites. With the responsibility for completing cleanup of these nuclear materials, being able to leverage new technologies like ALTEMIS has the great potential to reduce costs and speed site closure. ■

Chris O'Neil, APR, is director of communications at Savannah River National Laboratory.

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The remediation of Maywood

The U.S. Army Corps of Engineers
is safely cleaning up the former
Maywood Chemical Works
FUSRAP site in New Jersey.

JoAnne Castagna

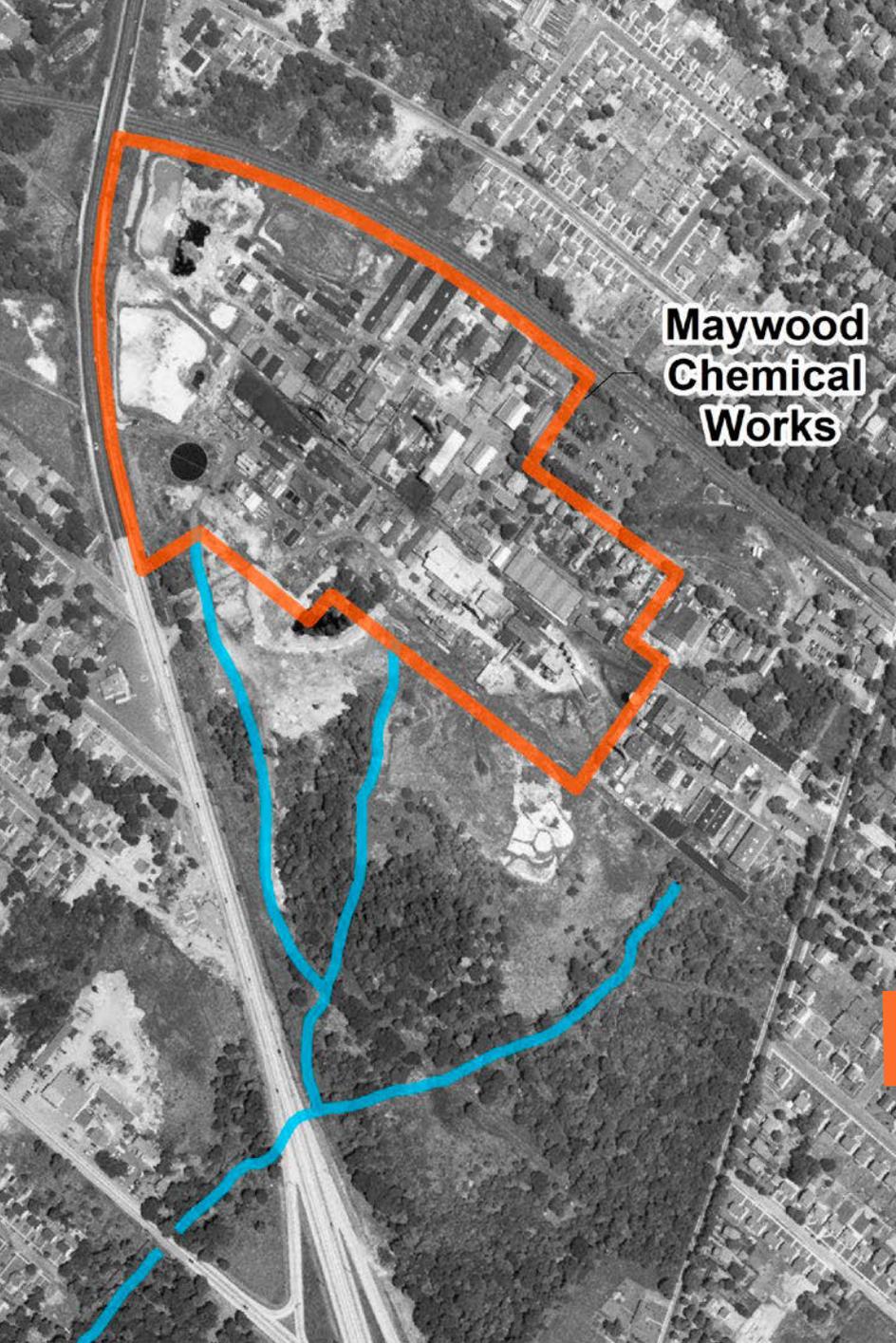
USACE District Commander Mathew Luzzatto (right) is shown a map of the FUSRAP Maywood Superfund site in New Jersey in February 2023. (Photo: Nayelli Guerrero/USACE).



It is the 1940s in Maywood, N.J. A new residential community has sprouted up, and the homeowners want to beautify their front lawns, so they go to a nearby property to gather some fresh topsoil. Little did they know that they're helping to plant the seeds for one of the largest and most high-profile environmental cleanup projects in the nation.

The soil they gathered was from the grounds of Maywood Chemical Works, a company that disposed of radioactive waste onto their property, as well as on a nearby wetland that is the headwaters for the Lodi Brook. This waterway carried contamination downstream and spread it onto its floodplains where these new residential communities were being built during the construction boom following World War II.

Decades ago, these residents and the company were unaware of what they were starting, but today the U.S. Army Corps of Engineers, New York District, is resolving it.



Maywood Chemical Works

In cooperation with its partners, the agency is cleaning up the community to make it safe for residents, while at the same time keeping their own workers safe. They've been so successful that they achieved 1 million man-hours without a lost-time accident. This is a significant milestone for the Army Corps and not often achieved in the industry and something especially important on environmental cleanup projects. The team reached this success by carrying out safety best practices that will be shared here.

FUSRAP Maywood Superfund site

This project is being addressed by the Army Corps under the Formerly Utilized Sites Remedial Action Program (FUSRAP), which is responsible for cleaning up radioactive waste generated during the early years of the nation's atomic energy program.

The Army Corps' New York District

is the lead agency implementing the cleanup effort at the Maywood site and has four other active sites in the greater New York City area that it leads.

Dan Kennedy, project manager of the USACE New York District's Environmental, Interagency, and International Services Branch, said, "FUSRAP has some of the most technically challenging remedial projects in the nation, and doing it safely is the most important factor during any remedial action."

The Maywood FUSRAP site is located in a highly developed area of northeastern New Jersey, just 12 miles west of New York City. The property where wastes were disposed on covers 153 acres across the boroughs of Maywood and Lodi and the township of Rochelle Park in Bergen County, N.J. In the early 20th century, Maywood Chemical Works sat on 63 acres of this land.

The site of the Maywood Chemical Works, within the orange border, and watersheds to Lodi Creek in blue.



Workers excavate contaminated soil at the Maywood site in early 2023. (Photo: DeShawn Bowser/USACE)

For more than 50 years, the company processed monazite sand to extract thorium and other rare earth minerals used in industrial products, including mantles for gas lanterns, as well as processed lithium ores for use of lithium in commercial products. The chemical and radioactive thorium waste that resulted from this production was stored, treated, or disposed of on the site into pits, piles, and man-made lagoons.

During flooding events, this waste ran into the Lodi Brook and was carried downstream into other waterways, contaminating sediment and soils over a large area near the brook. Fortunately, the groundwater was not contaminated.

Spread from the Lodi Brook was the primary way the contamination spread in the community, but some residents also used soil from the site as fill on their properties. Using soil as fill spread the contamination throughout acres of land and into 92 residential, governmental, and commercial properties. Since this waste contained radioactive thorium, a potential human carcinogen, this posed a threat to human health and the environment.

The Army Corps is addressing the radioactive portions of the contamination under FUSRAP in collaboration with the Environmental Protection Agency Region II, the New Jersey State Department of Environmental Protection, contractor Cabrera Services, and with stakeholders such as the Stepan Company, a current owner of a portion of the site that is responsible for removing the nonradioactive material from, in, and around its property.

Radioactive material and soil are being remediated, and potential ground water contamination is being treated. All residential contamination has been remediated.

In addition, on the former Maywood Chemical Works' site, the Army Corps safely removed radioactive soil, contaminated buildings, and metal drums that contained remnants of harmful solvents and degreasers. Currently, the Army Corps is removing contaminated soil from underneath highways and roads that include hard-to-reach areas around utilities, including beneath the streets in the borough of Lodi.

**All residential
contamination has
been remediated**

To date, over 830,130 cubic yards of contaminated soil and debris has been safely removed from the site. “This is equivalent to more than 11,000 railcars that we used to transport the material to landfills designed to safely contain these materials,” said John Canby, USACE New York District project engineer. He added, “One hundred thirty-five million gallons of ground water has been treated, which is equivalent to five oil supertankers.”

One hundred
thirty-five million
gallons of ground water
has been treated

The project is expected to be completed in three years and includes the restoration of the wetland that is the headwaters of the Lodi Brook that carried much of the contamination downstream and throughout the region.

Throughout the project’s progress, public safety measures have been in place for the community. These measures include continuous air monitoring, disposing of contaminated material to approved off-site locations, decontaminating the trucks that are transporting waste material off the properties, dust suppression measures, and traffic controls. In addition, regular community meetings are held to keep the public informed about the progress of the project and to address their concerns.

Worker safety best practices

Not only is the health of the community important, but also the safety of the project’s workers, especially when it comes to FUSRAP projects. Michael Johnson, USACE New York District team leader, said, “Safety is very important for all construction projects and especially for FUSRAP projects because these projects introduce the workers to potential exposures to contaminants above and beyond your typical construction project hazards.”

This has led the team to implement a series of worker safety best practices for its workers. The successful implementation of the practices has allowed the team to reach 1 million man-hours without a lost-time accident. “This type of achievement is rare. This is the only project that I have worked on in the Army Corps that has achieved this milestone,” said Johnson, who has worked on this project for 15 years.



Maywood site staff were presented an award for successfully achieving 1 million man-hours without a lost-time accident. (Photo: DeShawn Bowser/USACE)

The following are some of the key best practices the team is performing that make this project a leader in worker safety.

Morning safety counseling

Every morning, workers take part in a short daily tailgate meeting. According to Johnson, this 30-minute meeting sets the day for the team. During the meeting they discuss several things, including the project's safety analyses, which can include discussing the steps needed to get through the potential hazards of a specific job. They also discuss a safety topic of the day that can include near misses or accidents that happened in the construction industry recently. Following this they hold a question-and-answer session. Lastly, the workers get up and take to the floor for some stretching exercises before heading out to the job site.

Worker empowerment

Workers are encouraged to have open dialogue to reduce workplace accidents. Johnson said, "For example, the workers have stop work authority, which means anyone on the job has the authority to stop the project if they observe unsafe conditions or behavior."

Safety incentive award program

Each month, workers receive safety incentive awards for proactively taking steps to ensure safety on the project. According to Johnson, this program is a way to ensure inclusion for the project's safety commitment. The program is designed to have targeted goals that empower personnel to have "skin in the game" and encourages workers to proactively take ownership of the project safety culture by meeting those safety-oriented goals. In addition, each quarter, workers are selected by their peers as the "Quarterly Safety Performer," recognizing exemplary safety performance and achievement.

East Hartford, Conn.-based Cabrera Services plays an integral part in the project's safety measures. "We are recognizing and rewarding our employees, not only for noticing and taking actions to eliminate hazards from the job site, but also for making positive observations that illustrate a commitment to safety for everyone on the project," said Bill Lorenz, vice president of Cabrera Services.

Luzzatto (second right) tours the Maywood site in February 2023. (Photo: DeShawn Bowser/USACE)





Contaminated soil is removed from the Maywood site. (Photo: Nayelli Guerrero/USACE)

Out of sight, but not out of mind

Johnson said that hazardous waste projects, and this one in particular, have a unique danger—radiological hazards that are not visible to the naked eye. Because of the radiological hazards, specific precautions are being taken to protect workers through how the project is designed and through the use of personal protective equipment.

The project site is designed to minimize safety hazards. This includes making sure there is ventilation in all work areas and misting water on the soils during excavation to suppress dust and contaminants from becoming airborne.

In addition, zones are set up on the site to limit workers' exposure and reduce or eliminate potential cross contamination. The "exclusion zone" is where workers perform the actual remediation work, handling the contaminated material. Workers in the exclusion zone are supported through the site's "contamination reduction zone." In turn, the "support zone," where workers prepare themselves to enter the exclusion zone, supports those within the reduction zone.

To further limit worker exposure, workers wear personal protective equipment to protect their skin. This includes wearing an outer layer of protective disposable clothing, hard hats, safety glasses and shields, and steel-toe safety footwear. At the end of the day, before workers leave the site, their hands,

feet, and clothing are monitored using radiation detection devices to ensure that radioactive materials are not adhered to a person before they leave the work site.

Although contaminated soils were accidentally placed onto Maywood's residential properties, it is no accident that the Army Corps workers who are cleaning up the community have done so without harming the residents or themselves in the process. This can be directly attributed to the safety best practices the workers perform every day that other project managers and engineers can learn from.

Lorenz added, "Our team's ability to achieve 1 million man-hours without a lost-time accident while working on a FUSRAP project is remarkable. There is constantly some sort of high-risk, high-hazard type of activity occurring. We developed, emphasized, and implemented our approach to safety from the start and have routinely engaged employees so that they know they have direct involvement in the program and its success. With these employees, we have been able to create and sustain a safety culture where our people actively care for one another and everyone is looking out for each other to make sure we all go home at the end of the day, safely." ■

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Over 40 Years of Nuclear HVAC Experience

SSM Industries has over 40 years experience designing, qualifying, fabricating and installing complete HVAC ductwork systems and equipment in DOE facilities and Nuclear Power Plants around the world.

Let us work with you on all of your HVAC needs. From custom retrofits to new plant build, we are the HVAC solution that you have been looking for.



HVAC SYSTEM COMPONENTS

Access Doors
Actuators: Electric & Pneumatic
Air Handling Units
Charcoal Adsorber Units
Dampers:
Backdraft
Balancing
Bubble-Tight
Control: Manual, Electric & Pneumatic
Diverter
Fire & Smoke
Guillotine
HELB
Isolation

HVAC SYSTEM COMPONENTS

Tornado
Variable Frequency Drives
Ductwork & Supports
Fans: Axial & Centrifugal
Filters & Filtration Units (incl. HEPA)
Flexible Connections
Grilles, Registers & Diffusers
Housings
Heat Exchangers
Cooling Coils
Louvers
Plenums
Sleeves

SPECIALTY FABRICATIONS

Angle Rings
Cable Trays & Covers
Control Cabinets
Doors: Access, Heavy-Duty & Blast
Equipment Bases
Filter Boxes
Fire Barriers
U. L.-Rated, 3 Hour
Glove Boxes
Sealed Enclosures
Seismic Supports
Cooling Coils
Heating Coils
Heat Exchangers
Tanks

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NQA-1
ASME AG-1
10CFR50
Appendix B
ASME R, S, U
AWS



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Radwaste Solutions

2023



Buyers Guide

More than 550 companies listed throughout 175 categories of products and services related to the handling, treatment, cleanup, transportation, storage, and disposal of radioactive waste.

00300 Abrasives

- B Bonded
- C Coated
- LP Lapping & Polishing Grits
- NW Non-Woven Fiber

Alphasource, Inc., Philadelphia, PA (B, C)
 Bakelite Synthetics, Atlanta, GA (C)
 Desco Mfg. Co., Inc., Rancho Santa Margarita, CA (B, C, LP, NW)

EFCO USA, Inc., Charlotte, NC (B, C, LP, NW)
 Free Form Fibers, Saratoga Springs, NY (LP, NW)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (C)

00400 Absorbers, Nuclear Radiation

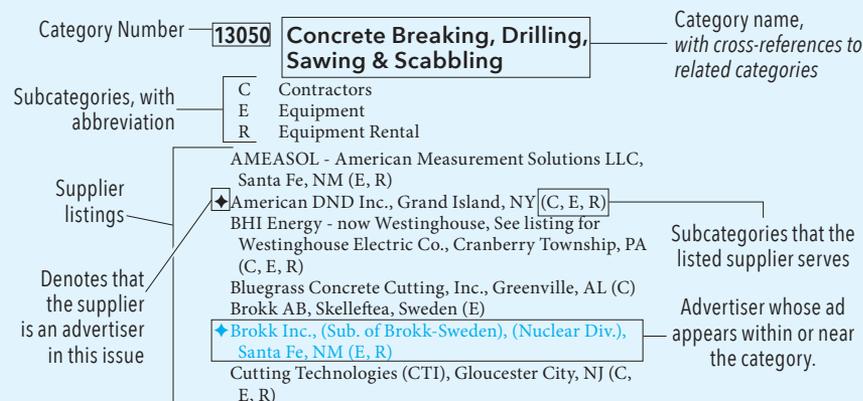
3M Technical Ceramics, Inc., Quapaw, OK
 Camfil USA, Inc., Washington, NC

Ellis & Watts Global Industries, Inc., (a sub. of Marmon®, a Berkshire Hathaway company), Batavia, OH
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 Hopewell Designs, Inc., Alpharetta, GA
 Joseph Oat Corp., Camden, NJ
 METOIL, Praha, Czech Republic (The)
 ♦NAC International Inc., Peachtree Corners, GA
 Pajarito Scientific Corp., Santa Fe, NM
 Radiation Protection Systems, (by Alpha Safety), Groton, CT
 River Technologies, LLC, Forest, VA
 THERMOCOAX Inc., Alpharetta, GA
 Westinghouse Electric Co. LLC, Cranberry Township, PA

This section contains an alphabetical listing of nuclear products, materials, and services, with the companies that supply these items. Exactly 175 categories are included (see “Index to Categories,” pp. 68–73). Extensive cross references are not included in this section, but can be found in the Index to Categories.

The supplier listings in each category are based on annual updates made by the individual companies to their online verification forms. More than 550 companies are represented throughout these pages. **Those companies whose names are preceded by a diamond (♦) have an advertisement in the 2023 Radwaste Solutions Buyers Guide. Companies highlighted in blue have an advertisement within or near that category.**

Anatomy of a Radwaste Solutions Buyers Guide listing



03000 Air-Conditioning & Ventilation Equipment

- AC Air-Conditioning
- AN Air Distribution Nozzles
- AD Air Dryers
- AF Air Filtration Units
- AH Air Handling
- C Chillers
- CO Condensing Units
- DH Dehumidifiers
- D Ductwork
- EC Evaporative Coolers
- F Fans & Blowers
- L Louvers
- V Ventilation
- VP Ventilation, Portable
- VT Ventilation, Test Equipment
- ♦AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (D)
- Aegis, LLC, Ooltewah, TN (AF)
- Aerofin, Lynchburg, VA (AC, V)
- Aggreko Ltd., Houston, TX (AC, AD, AH, C, DH, F)
- BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (AF, F, V, VP)
- Camfil USA, Inc., Washington, NC (AF, V, VP, VT)
- Carolina Fabricators, West Columbia, SC (D)

Curtiss-Wright Nuclear Division, Brea, CA (AC, AN, AD, AF, AH, C, CO, DH, D, EC, F, L, V)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (AC, AN, AD, AF, AH, C, CO, DH, D, EC, F, L, V)
 DC Fabricators Inc., Florence, NJ (CO)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (AC)
 ECU Corporation, Cincinnati, OH (AC, AD, AF, AH, C, CO, DH, D, EC, F, L, V, VP, VT)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon®, a Berkshire Hathaway company), Batavia, OH (AC, AD, AF, AH, C, CO, DH, D, EC, F, L, V, VP)
 Energy Steel, Rochester Hills, MI (D)
 ♦F&J SPECIALTY PRODUCTS, INC., Ocala, FL (VT)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C, V)
 Frham Safety Products, Inc., Nashville, TN (AD, AF, AH, CO)
 James C. White Company, Inc., Greenville, SC (AC, CO)
 James Fisher Technologies, Loveland, CO (AF, V, VP)
 Lancs Industries, Albuquerque, NM (AF, F, V, VP)
 The New York Blower Company, (NYB), Willowbrook, IL (AH, F, V)
 Nextteq International LLC, Nextteq, Tampa, FL (VT)
 NUCON International, Inc., Columbus, OH (AF, AH, V, VP, VT)
 NuSource LLC, Alexandria, VA (AD, AF, AH, C, CO, F)
 Pajarito Scientific Corp., Santa Fe, NM (AD, AF, AH, C, DH, D, F, V, VP)
 ♦Paragon Energy Solutions, (Paragon), Fort Worth, TX (AC, AD, AF, AH, C, CO, EC, F, V)
 PMT Nuclear, Woodridge, IL (AC, AN, AD, AF, AH, C, CO, DH, D, EC, F, L, V, VP)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (AF, F, V, VP, VT)
 River Technologies, LLC, Forest, VA (AF, AH, D, F, V, VP)
 ♦SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (AC, AD, AF, AH, C, CO, DH, D, EC, F, L, V, VP)

See advertisement on page 74

Super Radiator Coils, Chaska, MN (AC)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (V, VT)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (AF, F, V, VP)
 ♦Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (AC, AN, AD, AF, AH, C, CO, DH, D, EC, F, L, V, VP, VT)

03180 Alarm Status Reporting & Control Systems

ARES Security Corp., Vienna, VA
 Aurum Technologies, Blackfoot, ID
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID
 F.E. Moran Special Hazard Systems, Northbrook, IL
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA
 ♦Paragon Energy Solutions, (Paragon), Fort Worth, TX
 ♦Radiation Safety & Control Services, Inc., Seabrook, NH
 Westinghouse Electric Co. LLC, Cranberry Township, PA

03200 Alarm Systems

AI Anti-Intrusion
 AS Audible Signal
 C Criticality
 F Fire

FR Flow Rate
 LE Level
 LI Limit
 P Pressure
 R Radiation
 RT Reactivity Transient
 RV Recorded Voice, Digital (Multiple Messages)
 V Visual Signal

Acromag Inc., Wixom, MI (LE, LI, P)
 Aurum Technologies, Blackfoot, ID (C, FR, LE, LI, P, R, V)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (AS, R, RV, V)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (FR, LE, LI, P)
 F.E. Moran Special Hazard Systems, Northbrook, IL (AS, F, P, RV, V)
 FCI-Fluid Components International, San Marcos, CA (FR, LE)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (F, LE, R, RT)
 GE Hitachi Nuclear Energy, Wilmington, NC (FR, LE, LI, R)
 General Atomics Electromagnetic Systems, San Diego, CA (R)
 Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (R)
 HI-Q Environmental Products Company, Inc., San Diego, CA (R)
 Hoskin Scientific, Oakville, Canada (FR, LE, LI, P)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (C)
 James Fisher Technologies, Loveland, CO (AS, C, R)
 KROHNE, Inc., (KROHNE Group), Beverly, MA (FR, LE, P)
 LabLogic Systems, Inc., Tampa, FL (R)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (R)
 Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany (AS, C, R, RT, V)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (R)
 NuclearConsultants.com, Ann Arbor, MI (C)
 ORTEC, Oak Ridge, TN (R)
 Overhoff Technology Corp., (A Div. of US Nuclear Corp.), Milford, OH (R)
 Pajarito Scientific Corp., Santa Fe, NM (C, R, RV)
 ♦Paragon Energy Solutions, (Paragon), Fort Worth, TX (AS, C, F, FR, LE, LI)
 Paschal Solutions, Inc., Knoxville, TN (C)
 Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada (R)
 RadComm Systems, Oakville, Ontario, Canada (R)
 ♦Radiation Safety & Control Services, Inc., Seabrook, NH (R)
 Syscom Instruments S.A., Sainte-Croix, Switzerland (R)
 Technology for Energy Corp., Knoxville, TN (AS, FR, V)
 Timesoft, Long Beach, CA (AS)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (R)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (AS, C, FR, LE, LI, P, R, RT, RV, V)
 ♦Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (FR, LE, LI, P)

03800 Analysis

C Chemical
 DE Design Basis
 DD Due Diligence
 EL Elemental, Isotopic
 E Environmental
 EQ Equipment Qualification

FE Failure, Electrical/Electronic
 FM Failure, Metallurgical
 FI Finite Element
 FP Fuel Cycle & Fuel Performance
 G Geotechnical
 GM Groundwater Modeling
 HE Helium
 H Hydrological
 LA Laser-Based
 LP Loose Parts
 L Lubrication
 M Materials
 RS Risk
 SE Seismic
 SH Shielding
 SC Site Characterization
 SI Siting
 ST Stress
 SS Sump/Strainer Blockage (Reg. Guide 1.82)
 T Thermal
 V Vibration
 W Waste

Advanced Consulting Group, Inc., Chicago, IL (FI, ST)
 Advanced Cooling Technologies, Inc., Lancaster, PA (T)
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (E, RS, SH, SC, W)
 Aggreko Ltd., Houston, TX (RS)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (EL, M, SC, W)
 F.N. Anderson & Assoc., Forest, VA (EL, E, EQ, FI, FP, SH, ST)
 Andritz AG, Graz, Austria (FM, M, ST, T, V)
 Applied Analysis Corp., Reading, PA (DE, EQ, SH, SI, T)
 Applied Science Professionals, LLC, (ASP-LLC), Salt Lake City, UT (SC)
 ASI Marine, Orchard Park, NY (H)
 ASVAD INTL SL, Tarragona, Spain
 ♦Attention IT, Inc., (Attention IT Ltd. (UK)), Knoxville, TN (E)
 Babcock Services, Inc., Kennewick, WA (SC, W)
 ♦Banda Group International, LLC, Mesa, AZ (G, GM, RS, SC)
 G.D. Barri & Associates, Inc., Peoria, AZ (DE, E, FE, G, H, M, SE, SH, SC, ST)
 Bechtel, (Bechtel Power), (Bechtel Nuclear, Security & Environmental), (Bechtel National), Reston, VA (DE, EQ, SE, ST, SS, T)
 Bevelacqua Resources, Owens Cross Roads, AL (E, RS, SH)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (E, FE, SC)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (SE, ST)
 Black & Veatch, Overland Park, KS (C, DE, DD, E, EQ, G, H, RS, SE, SH, SC, SI, ST, T)
 BlackStarTech, Davenport, IA (RS)
 Blue Wave AI Labs, West Lafayette, IN (FP)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (DE, EQ, FI, RS, ST, T, W)
 ♦Burns & McDonnell, Kansas City, MO (DE, DD, E, EQ, FE, FM, FI, G, H, M, SE, SH, SC, SI, ST, SS, T, V, W)
 Canoil Canada Ltd, Mississauga, Ontario, Canada (L)
 Centronic Ltd., Surrey, United Kingdom (E, EQ, FE, M, SE, SH, ST, V)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (C, DE, FM, M, SE, ST)
 Constellation PowerLabs, Coatesville, PA (C, EL, E, EQ, FE, FM, M)
 Container Technologies Industries, LLC, Helenwood, TN (FI, M, RS, SH, ST)
 CPMQ Consulting, LLC, Huntsville, AL
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (DE, FI)
 CS-2 Inc., Grand Island, NY (E, RS, SC, T, W)

Simplify nuclear asset complexity
with siting and permitting, design,
construction, decommissioning
and remediation.

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- CTR Technical Services, Inc., Manitou Springs, CO (RS, SH)
- Curie Environmental Services, Albuquerque, NM (W)
- Curtiss-Wright Nuclear Division, Brea, CA (C, DE, DD, EL, E, EQ, FI, FP, M, RS, SE, SH, SC, ST, T, V)
- Curtiss-Wright Nuclear Division, Eneritech, Brea, CA (DE, RS, SE)
- Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (EL, T)
- Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (DE, E, EQ, SE, SH, ST, V)
- Curtiss-Wright Nuclear Shielding Inc., Idaho Falls, ID (C, DD, EQ, FI, FP, M, RS, SE, SH, SC, ST, T, V)
- DCS Systems, Inc., Simsbury, CT (FP)
- Deytec, Inc., Ashburn, VA (RS)
- Dominion Engineering, Inc., Reston, VA (C, DE, EQ, FM, FI, FP, H, M, RS, SE, SH, ST, T, W)
- Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (SH, W)
- ECU Corporation, Cincinnati, OH (FI, SE)
- Elcometer, Inc., Warren, MI (E)
- Electric Motor and Contracting Company Inc., Chesapeake, VA (DD, FE, V)
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (EQ, FI, M, T)
- Elmore Engineering Services, Inc., Boyertown, PA (DE, FI, SE)
- EmmEn Marketing Consultants, Pune, Maharashtra, India (LP)
- Empyrean Services, Sewickley, PA (RS, SE)
- Enercon Services, Inc., Kennesaw, GA (C, EL, E, FP, G, H, LP, L, M, RS, SH, SI, T, W)
- Energy Resources International Inc., Washington, DC (FP, W)
- Energy Steel, Rochester Hills, MI (C, DE, EQ, FE, FM, FI, FP, LP, L, M, RS, SE, SH, ST, SS, T, V)
- ◆ EnergySolutions, Salt Lake City, UT (C, DE, EL, FM, M, RS, SE, SH, SC, SI, ST, T, V, W)
- Engineering Planning and Management, Inc., Framingham, MA (DE, DD, EQ, RS)
- Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain
- ETAP - Operation Technology, Inc., Irvine, CA (DD)
- EXCEL Services Corporation, Rockville, MD (DE, E, EQ, FI, FP, RS, SH, SI, T)
- Exitech Corp., Maryville, TN
- Framatome Inc., (North American Headquarters), Lynchburg, VA (C, DE, DD, EL, E, EQ, FE, FM, FI, FP, LP, M, RS, SE, SH, SC, ST, SS, T, V, W)
- Fuel Tank Maintenance Co., LLC, Cookeville, TN (FP)
- GE Hitachi Nuclear Energy, Wilmington, NC (DE, EL, EQ, FM, FP, M, RS, SE, ST, T, V)
- GEI Consultants, Inc., Woburn, MA (E, G, H, RS, SE, SC, SI, W)
- The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (C, E, SC)
- General Atomics Electromagnetic Systems, San Diego, CA (EQ)
- General Plastics Mfg. Co., Tacoma, WA (W)
- Geovariations, Avon, France (E, G, GM, H, RS, SC)
- Global Network of Companies LLC, Johannesburg, South Africa
- GLSEQ, LLC, Huntsville, AL (DE, E, EQ, FE, LP, SE, V)
- GoldSim Technology Group, Seattle, WA (RS)
- GSE Engineering, Design & Analysis, (Formerly known as DP Engineering), Fort Worth, TX (DE, DD, E, EQ, FE, FM, FP, RS, ST, T, V, W)
- ◆ Holtec International, Camden, NJ (EQ, FI, SE, SH, ST, T, V)
- Hoskin Scientific, Oakville, Canada (E, G, ST, T)
- Hydro, Inc., (HydroAire Services Division), Chicago, IL (FI, ST, T, V)
- Idom Consulting, Engineering, Architecture S.A.U., Bilbao, Spain (DE, DD, FI, G, M, SE, SH, SC, ST, T)
- ILD, Inc., Baton Rouge, LA (SE, ST, T, V)
- Imperia Engineering Partners LLC, Milford, MA (DE, DD, E, EQ, FE, FM, FI, M, RS, SE, SI, ST, SS, T, V)
- Interdevelopment, Inc., Washington, DC (RS)
- Interface Analysis Centre, University of Bristol, Bristol, United Kingdom (EL, M)
- Intertek, Santa Clara, CA (DE, FM, FI, M, ST, T)
- ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (EL, SH)
- James Fisher Technologies, Loveland, CO (FI, SC, ST, W)
- Joseph Oat Corp., Camden, NJ (FI, H, M, ST, T, V)
- KCI Engineering Consultants, Downers Grove, IL (EQ, FE, M, ST)
- Kinectrics Inc., Toronto, Ontario, Canada (C, DE, DD, EL, E, EQ, FE, FM, FP, H, LP, L, M, RS, SE, SH, SC, ST, T, V, W)
- Kinometrics, Inc., Pasadena, CA (SE)
- LabLogic Systems, Inc., Tampa, FL (SH)
- Laboratory Services, (Div. of Consumers Energy), Jackson, MI (C, E, EQ, FE, FM, M, ST)
- Lambda Technologies, Cincinnati, OH (FM, FI, ST)
- LATA, Albuquerque, NM (E, GM, H, RS, SC, W)
- Lucideon, Morrisville, NC (C, DE, EL, FE, FM, FI, M, ST, T)
- LUDECA, Inc., Doral, FL (V)
- MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (M, W)
- Materials and Chemistry Laboratory, Inc., (MCLinc), Oak Ridge, TN (C, DE, EL, E, FM, G, M, T, W)
- Mega-Tech Services, LLC, Cooksburg, PA (RS)
- Meridian Services Group, (formerly Work Management, Inc., and High Bridge Associates, Inc.), Chattanooga, TN (RS, SC)
- MillenniTEK, LLC, Knoxville, TN (C, EQ, SH, T)
- Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (SH, W)
- ◆ NAC International Inc., Peachtree Corners, GA (DE, EQ, FI, FP, SE, SH, ST, T)
- ◆ NAC LPT LLC, Mars, PA (E, SC, W)
- Navarro, Oak Ridge, TN (G, SC, W)
- Neptune and Company, Inc., Lakewood, CO (C, E, FI, GM, H, RS)
- Netzsch Instruments North America LLC, Burlington, MA (C, EL, FP, ST, T)
- Nextteq International LLC, Nextteq, Tampa, FL (C)
- North Wind Group, Idaho Falls, ID (E, GM, SC, SI, W)
- NSL Analytical Services, Inc., Cleveland, OH (C, EL, FM, M, ST)
- NuclearConsultants.com, Ann Arbor, MI (FP, SH)
- Numerical Advisory Solutions, LLC, Cary, NC (DE, EQ, FE, FI, SE, ST, SS, T)
- NuSource LLC, Alexandria, VA (DE, FI, SE, T)
- O'Donnell Consulting Engineers, Inc., Bethel Park, PA (DE, EQ, FM, FI, M, RS, SE, ST, T, V)
- ORTEC, Oak Ridge, TN (EL, E, SC, W)
- Pajarito Scientific Corp., Santa Fe, NM (EL, SH, SC)
- PAR Systems, LLC, Saint Paul, MN (EQ, FE, FM, SE, ST)
- ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (DE, E, EQ, FI, M, SE)
- Paschal Solutions, Inc., Knoxville, TN (DE, SH)
- Paxton & Vierling Steel, Carter Lake, IA
- Pioneer Motor Bearing Co., Kings Mountain, NC (V)
- Platom Oy, Mikkeli, Finland
- PMT Nuclear, Woodridge, IL (FI, SE, SH)
- Power & Energy Systems Services, Oradell, NJ (T)
- Precision Custom Components, LLC, York, PA (DE, FM, FI, ST, T, V)
- Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (C, FI, M, SE)
- Premier Technology, Inc., Blackfoot, ID (M, SH)
- PROTEM USA, Evergreen, CO
- R&G Laboratories, Inc., Tampa, FL (C, FP, L)
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (E, G, SH, SC, W)
- Red Wolf Associates, Cary, NC (C, DE, EL, EQ, FI, RS, SH, ST, SS, T)
- REEL COH Inc., Canada (SE)
- Right Brain Sekurity, Oswego, IL (RS)
- Sargent & Lundy, Chicago, IL (C, DE, DD, E, EQ, FE, FM, FI, G, H, LP, L, M, RS, SE, SH, SC, SI, ST, SS, T, V, W)
- Schulz Electric, Timken Power Systems, East Haven, CT (EQ, FE, M, SE, V)
- SIET, Piacenza, Italy (EQ, T, V)
- Sigma Science, Inc., Albuquerque, NM (E, RS, W)
- Simpson Gumpertz & Heger (SGH), Chicago, IL (DE, DD, EQ, FM, FI, G, H, M, RS, SE, SC, ST, T, V)
- SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (FI, SE, ST)
- Howard L. Sobel, P.E., Oceanside, NY (FP, W)
- Southwest Research Institute, San Antonio, TX (C, DE, EL, E, EQ, FE, FM, FI, FP, G, GM, H, L, M, RS, SE, SH, SC, SI, ST, SS, T, V, W)
- ◆ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (SE)
- Studsvik Scandpower Inc., Wilmington, NC (FP)
- Superconductivity Innovations, New Windsor, NY (DE, FE, M)
- Syscom Instruments S.A., Sainte-Croix, Switzerland (SE)
- Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (E, W)
- ◆ Teledyne Brown Engineering, Inc., Huntsville, AL (E, SC, W)
- TerranearPMC, LLC, Exton, PA (E, SC)
- Tetra Tech Inc., Richland, WA (C, DE, DD, EL, E, EQ, FE, FM, FI, G, GM, HE, H, LP, L, M, RS, SE, SH, SC, SI, ST, T, V, W)
- The Delphi Groupe, Inc., Austin, TX (DE, E, RS)
- Thermal Engineering International (TEi), Cerritos, CA (T, V)
- Theseus Professional Services, LLC, Baltimore, MD
- TLG Services, LLC, (sub. of Energy Corp.), Bridgewater, CT (SC)
- TransWare Enterprises Inc., St. Louis, MO (FI, FP, SH, ST, T)
- Ultra Energy, (Weed Instrument), Round Rock, TX
- Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (DE, SS)
- University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (C, EL, E, FM, FP, LA, LP, M, RS, SC, ST, W)
- UxC, LLC, Roswell, GA (FP)
- Veolia Nuclear Solutions - Federal Services, Piketon, OH (C, SC, W)
- vgbe energy service GmbH, Essen, Germany (C, EQ, FM, L)
- Volian Enterprises, Inc., Murrysville, PA (EQ, T)
- Westinghouse Electric Co. LLC, Cranberry Township, PA (C, DE, EL, E, EQ, FE, FI, FP, H, LP, L, M, RS, SE, SH, SC, ST, T, V, W)
- ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (E, EQ, SE)
- ◆ WMG, Inc., Peekskill, NY (EL, SH, SC, W)

04000 Analyzers

- A Air
- CA Coincidence & Anti-Coincidence
- D Density
- DH Dissolved Hydrogen
- DO Dissolved Oxygen
- E Effluent
- G Gas
- CG Gas, Containment
- H Hydrazine
- MP Multi-Parameter
- OG Off-Gas Hydrogen
- OX Oxygen
- PO Portable Multichannel

PA Post-Accident Sampling (O2 & H2)
 PH Phosphorescence
 PM Pulse-Height, Multi-Channel
 PS Pulse-Height, Single-Channel
 SI Silica
 SL Sludge
 SO Sodium
 ST Steam
 TF Time-of-Flight
 TO Total Organic Carbon
 V Viscosity
 WG Waste-Gas, Oxygen & Hydrogen
 W Water

AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (PO, SL)
 Aquasol Corp., North Tonawanda, NY (OX)
 Automation Products, Inc., (Dynatrol Div.), Houston, TX (SL, W)
 AVANTech, LLC, Knoxville, TN (DO, E, OX, SI, SO, W)
 Bot Engineering Ltd, Campbellville, Ontario, Canada (A, CA, D, E, G, CG, PO, PM, PS, TO, W)
 Curtiss-Wright Nuclear Division, Brea, CA (MP)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (MP)
 Elcometer, Inc., Warren, MI (V)
 ◆EnergySolutions, Salt Lake City, UT (SL, W)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (OG, SL)
 GE Hitachi Nuclear Energy, Wilmington, NC (G, CG, OG, W)
 The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (A, DO, E, G, CG, W)
 GLSEQ, LLC, Huntsville, AL (G, CG, OG, OX, PA, WG)
 Government Scientific Source, Reston, VA (D, DH, DO, G, CG, H, MP, TF, TO, V, W)
 Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (PO)
 HI-Q Environmental Products Company, Inc., San Diego, CA (A)
 Hoskin Scientific, Oakville, Canada (DO, V)
 James Fisher Technologies, Loveland, CO (A, TF)
 Kinectrics Inc., Toronto, Ontario, Canada (G, W)
 LabLogic Systems, Inc., Tampa, FL (W)
 LND, Inc., Oceanside, NY (CA, MP)
 Ludlum Measurements, Inc., Sweetwater, TX (PS)
 M. Braun, Inc., Stratham, NH (OX, W)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (A, E, G, PS, ST, W)
 Mound Technical Solutions, Inc., Miamisburg, OH (A, G, CG)
 Netzsch Instruments North America LLC, Burlington, MA (G)
 Nextteq International LLC, Nextteq, Tampa, FL (A, G, CG, H, OG, OX, W)
 NUCON International, Inc., Columbus, OH (G)
 ORTEC, Oak Ridge, TN (CA, E, MP, PO, PM, PS)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (PA)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (PO, PM)
 Radiological Solutions Inc., Rockdale, IL (W)
 Sentry Equipment Corp., Oconomowoc, WI (E, G, MP, PA, ST, W)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (A, G)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (CG, OG, OX, PA, TO, WG)
 Ultra Energy, (Weed Instrument), Round Rock, TX (PM, PS)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (A, E, PM, PS, W)
 VTT Technical Research Centre of Finland, VTT, Finland (A, E, G, CG, MP, PA, PH, SI, SL, SO, TO, V, WG, W)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (G, CG)

06790 Asbestos Abatement/Removal Products & Services

Advanced Nuclear LLC, Aston, PA
 ◆American DND Inc., Grand Island, NY
 CS-2 Inc., Grand Island, NY
 Desco Mfg. Co., Inc., Rancho Santa Margarita, CA
 Enercon Services, Inc., Kennesaw, GA
 Fuel Tank Maintenance Co., LLC, Cookeville, TN
 North Wind Group, Idaho Falls, ID
 Tetra Tech Inc., Richland, WA
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA

06950 Bar-Coding Devices & Supplies

Alphasource, Inc., Philadelphia, PA
 ◆Attention IT, Inc., (Attention IT Ltd. (UK)), Knoxville, TN
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada

08800 Cable, Electrical

CO Coaxial
 C Control
 DC Data Communications
 FI Fiber Optic
 FR Flame-Resistant
 HT High-Temperature
 I Instrumentation
 MI Mineral-Insulated, Metal-Jacketed
 P Power
 PA Prefabricated Assemblies
 RR Radiation-Resistant
 R Repair, In-Site
 UC Umbilical Cord, Nuclear Grade (Robotic)
 U Underwater
 Aggreko Ltd., Houston, TX (P)
 AVANTech, LLC, Knoxville, TN (C, DC, I, P)
 BIRNS, Inc., Oxnard, CA (PA)
 Bot Engineering Ltd, Campbellville, Ontario, Canada (RR)
 C.J. Enterprises, (Div. of C.J. Instruments, Inc.), Tarzana, CA (HT, RR)
 CableLAN Nuclear, Inc., Fort Myers, FL (CO, C, DC, FI, FR, HT, I, MI, P, PA, RR)
 Centronic Ltd., Surrey, United Kingdom (CO, HT, MI, RR)
 CM Technologies Corp., Coraopolis, PA (I)
 Coastel Cable Tools, Inc., East Syracuse, NY (CO, C, DC, P, RR)
 Curtiss-Wright Nuclear Division, Brea, CA (CO, C, FR, HT, I, MI, P, PA, RR, R)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (CO, C, FR, HT, I, MI, P, PA, RR, R)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (RR)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (P)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (HT, I, MI, PA, RR)
 GE Hitachi Nuclear Energy, Wilmington, NC (CO, C, FR, HT, I, MI)
 General Plastics Mfg. Co., Tacoma, WA (FR, HT)
 Hoskin Scientific, Oakville, Canada (C, I)
 James C. White Company, Inc., Greenville, SC (I)
 James Fisher Technologies, Loveland, CO (PA, RR)
 Kanata Electronic Services Ltd., Division of Shawcor Ltd., Toronto, Ontario, Canada (I, PA, RR)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (CO, C, FR, HT, I, MI, PA, RR)
 Mirion Technologies (MGPi H&B) GmbH, (Mirion Technologies), Munich, Germany (CO, C, I, MI, RR)

Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (CO, C, FR, HT, I, MI, PA, RR)
 NuSource LLC, Alexandria, VA (CO, C, I)
 PAR Systems, LLC, Saint Paul, MN (RR, UC)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (CO, C, FI, FR, HT, I, MI, P, PA, RR)
 Premier Technology, Inc., Blackfoot, ID (PA)
 PROTEM USA, Evergreen, CO (U)
 ◆Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (FR, PA)
 Schulz Electric, Timken Power Systems, East Haven, CT (HT, RR)
 SERCO USA, Evergreen, CO (R)
 Sidus Solutions LLC, San Diego, CA (UC, U)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (CO, C, DC, I, U)
 THERMOCOAX Inc., Alpharetta, GA (CO, C, DC, FR, HT, I, MI, P, PA, RR)
 Ultra Energy, (Weed Instrument), Round Rock, TX (HT, I, MI, RR)
 VTT Technical Research Centre of Finland, VTT, Finland (C, DC, FI, FR, HT, I, RR)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (I, PA)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CO, C, DC, FR, HT, I, MI, P, PA, RR, R, UC, U)
 Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (DC)

09730 Calciners

Framatome Inc., (North American Headquarters), Lynchburg, VA
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA
 Komline, Peapack, NJ
 Orano Federal Services, Charlotte, NC
 ◆Petersen Inc., Ogden, UT

09750 Calibration Equipment & Systems

D Dose, Nuclear Medicine
 E Electrical Test Equipment
 ET Electronic Test Equipment
 IC Instrumentation & Control
 LF Laminar Flow
 P Pressure
 R Radiation Measuring
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (IC, R)
 Advetage Solutions, El Segundo, CA (D, R)
 Bot Engineering Ltd, Campbellville, Ontario, Canada (IC, R)
 Centronic Ltd., Surrey, United Kingdom (R)
 CM Technologies Corp., Coraopolis, PA (E, ET, IC)
 Coastel Cable Tools, Inc., East Syracuse, NY (IC)
 Constellation PowerLabs, Coatesville, PA (E, ET, IC, LF, P, R)
 Crane Nuclear PFT Corp., Kennesaw, GA (E, IC)
 Exitech Corp., Maryville, TN (IC, R)
 ◆F&J SPECIALTY PRODUCTS, INC., Ocala, FL (ET, IC)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (D, IC, P, R)
 GE Hitachi Nuclear Energy, Wilmington, NC (E, IC)
 General Atomics Electromagnetic Systems, San Diego, CA (IC, R)
 HI-Q Environmental Products Company, Inc., San Diego, CA (LF, R)
 Hopewell Designs, Inc., Alpharetta, GA (IC, R)
 Hoskin Scientific, Oakville, Canada (IC, P)
 James Fisher Technologies, Loveland, CO (R)

Kinectrics Inc., Toronto, Ontario, Canada (E, IC)
 Mirion Technologies (Canberra) Inc., Meriden, CT (E, IC, R)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (D, IC, R)
 Norbar Torque Tools, Inc., Willoughby, OH (IC)
 North Wind Group, Idaho Falls, ID (R)
 ORTEC, Oak Ridge, TN (R)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (R)
 RAdECo, Inc., Plainfield, CT (LF)
 ♦Radiation Safety & Control Services, Inc., Seabrook, NH (D, R)
 Rexion Components, Inc., Beachwood, OH (D, R)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (R)
 J. L. Shepherd & Assoc., San Fernando, CA (IC, R)
 System One, Pittsburgh, PA (E, ET, IC)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (D, R)

09800 Calibration Services

E Electrical Test Equipment
 ET Electronic Test Equipment
 F Flow
 IC Instrumentation & Control
 PT Pressure, Temperature, Humidity
 R Radiation Measuring
 T Tools, Physical/Dimensional/Mechanical

Acromag Inc., Wixom, MI (IC)
 Advtage Solutions, El Segundo, CA (R)
 ANTECH Corp., Arvada, CO (R)
 G.D. Barri & Associates, Inc., Peoria, AZ (IC)
 Berkeley Nucleonics Corp., San Rafael, CA (ET)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (IC)
 Centronic Ltd., Surrey, United Kingdom (E, ET, IC, PT, R, T)
 Coastel Cable Tools, Inc., East Syracuse, NY (ET)
 Constellation PowerLabs, Coatesville, PA (E, ET, F, IC, PT, R, T)
 Crane Nuclear PFT Corp., Kennesaw, GA (E, ET)
 Curtiss-Wright Nuclear Division, Brea, CA (F, IC, PT)
 Curtiss-Wright Nuclear Division, Energetech, Brea, CA (F, IC, PT)
 Eckert & Ziegler Analytics, Atlanta, GA (R)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (E, ET, PT, T)
 ♦EnergySolutions, Salt Lake City, UT (IC, R)
 Environmental Restoration Group, Inc., Albuquerque, NM (R)
 ♦F&J SPECIALTY PRODUCTS, INC., Ocala, FL (F)
 FCI-Fluid Components International, San Marcos, CA (F)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (E, ET, IC, PT, R, T)
 GE Hitachi Nuclear Energy, Wilmington, NC (E, IC)
 General Atomics Electromagnetic Systems, San Diego, CA (ET, R)
 Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (R)
 HI-Q Environmental Products Company, Inc., San Diego, CA (F, R)
 Hopewell Designs, Inc., Alpharetta, GA (R, T)
 Hoskin Scientific, Oakville, Canada (F, PT)
 James Fisher Technologies, Loveland, CO (R, T)
 Kinectrics Inc., Toronto, Ontario, Canada (E, ET, IC)
 Kinemetrics, Inc., Pasadena, CA (IC)
 LabLogic Systems, Inc., Tampa, FL (R)
 Laboratory Services, (Div. of Consumers Energy), Jackson, MI (E, ET, F, IC, PT, T)
 Mirion Technologies (Canberra) Inc., Meriden, CT (R)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (IC, R)
 Norbar Torque Tools, Inc., Willoughby, OH (T)

North Wind Group, Idaho Falls, ID (R)
 NSSI/Recovery Services Inc., Houston, TX (R)
 NUCON International, Inc., Columbus, OH (E, ET, F, IC, PT, R, T)
 ORTEC, Oak Ridge, TN (R)
 Pajarito Scientific Corp., Santa Fe, NM (IC, R)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (IC, PT, R)
 Precision Custom Components, LLC, York, PA (T)
 RAdECo, Inc., Plainfield, CT (F)
 ♦Radiation Safety & Control Services, Inc., Seabrook, NH (R)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (R)
 SIET, Piacenza, Italy (E, ET, F, IC, PT, T)
 Southwest Research Institute, San Antonio, TX (E, ET, F, IC, PT, R, T)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (R)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (R)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (R)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (IC, T)

09950 Cars, Railroad

CH Cask-Handling
 L Liners

Alphasource, Inc., Philadelphia, PA (L)
 AVANTech, LLC, Knoxville, TN (L)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (CH, L)
 ♦EnergySolutions, Salt Lake City, UT (L)
 ♦I.C.E. Service Group, Inc., Moon Township, PA (CH, L)
 Joseph Oat Corp., Camden, NJ (L)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (CH)
 ♦NAC LPT LLC, Mars, PA (CH, L)
 ♦Orano USA, Bethesda, MD (CH)
 ♦PacTec, Inc., Clinton, LA (L)
 REEL COH Inc., Canada (CH)

10780 Cleaning Equipment

A Abrasive
 CP Cavity Pool
 CS Chemical Services
 P Parts Washers
 PC Pipe Cleaning
 PW Pressure Washing
 R Robotic
 S Steam
 TC Tube Cleaning
 U Ultrasonic
 UW Underwater
 V Vacuum
 VB Vacuum Blasting, Abrasive
 WJ Water Jetting, High-Pressure
 WA Water Jetting, High-Pressure, Abrasive

Alphasource, Inc., Philadelphia, PA (A)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (A, R, UW)
 ASI Marine, Orchard Park, NY (R, UW)
 AT&S Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (PC, R)
 AT&S Industrial Automation, Inc. - Nuclear (USA), (AT&S Ohio, Inc.), Lewis Center, OH (PC, R)
 AT&S Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (PC, R)
 AVANTech, LLC, Knoxville, TN (CP, P, R, UW, V)
 Babcock Services, Inc., Kennewick, WA (A, CP)
 Beaudrey American Services, Loveland, CO (TC)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (A, CP, CS, P, PW, V, VB, WJ)
 Brokk AB, Skelleftea, Sweden (R)
 Carolina Fabricators, West Columbia, SC (WJ, WA)

Container Technologies Industries, LLC, Helenwood, TN (A)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (A, CS, PC, R, TC)
 Day & Zimmermann, Philadelphia, PA (TC)
 Desco Mfg. Co., Inc., Rancho Santa Margarita, CA (A, PC, PW, V)
 Dominion Engineering, Inc., Reston, VA (CP, CS, P, PC, R, U, UW, V)
 ♦EnergySolutions, Salt Lake City, UT (CP, V)
 FEVDI Nuclear Decontamination, Corbas, France (U)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, CP, CS, PC, PW, R, TC, U, UW, WJ, WA)
 Frham Safety Products, Inc., Nashville, TN (V, VB)
 GNS Gesellschaft für Nuklear-Service mbH, Essen, Germany (UW)
 ♦Goodway Technologies, Stamford, CT (CS, PC, PW, TC, V)
 Heat Exchanger Products Corp. (HEPCO), Hingham, MA (TC)
 Hennigan Engineering LLC, Hingham, MA (PC, PW, TC, WJ, WA)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (R)
 James Fisher Technologies, Loveland, CO (CP, PC, R, S, UW, V, VB, WJ, WA)
 KUKA Systems UK Ltd, West Midlands, United Kingdom (R)
 Master-Lee Engineered Products Inc., Latrobe, PA (TC, UW, V)
 NuVision-HWM, Pittsburgh, PA (R)
 PAR Systems, LLC, Saint Paul, MN (R, WJ, WA)
 Paxton & Vierling Steel, Carter Lake, IA (A)
 Powerfect Service, Inc., Brick, NJ (PW, S, TC)
 Precision Custom Components, LLC, York, PA (A)
 PROTEM USA, Evergreen, CO (PC, TC, UW)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (V)
 River Technologies, LLC, Forest, VA (A, CP, P, PC, PW, R, S, TC, UW, V, VB, WJ, WA)
 Tri Nuclear Corp., Troy, NY (CP, UW, V)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (A, PW, UW, WJ)
 ♦UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (A, P, PW, VB, WJ)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (R, WJ)
 Walischmiller Engineering GmbH, Germany (R)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (A, CP, CS, P, PW, U, UW, V, VB, WJ)

10850 Clothing, Protective, Anti-Contamination

BS Bubble Suits
 C Coveralls
 CL Coveralls, Lightweight, Breathable
 D Disposable
 DS Dissolvable
 G Gloves
 H Head Coverings
 L Lab Coats
 MG Modesty Garments, Lightweight, Breathable
 SP Scrub Shirts & Pants
 SC Shoe Covers

Advantage Solutions, El Segundo, CA (D, G)
 Coastal Network, Inc., Charlottesville, VA (C, CL, D, G, L, SP, SC)
 Elcometer, Inc., Warren, MI (C, CL, G, H)
 ♦EnergySolutions, Salt Lake City, UT (D)
 FabOhio, Inc., Uhrichsville, OH (BS, C, D, H, L, SC)
 Frham Safety Products, Inc., Nashville, TN (BS, C, CL, D, DS, G, H, L, MG, SP, SC)
 James Fisher Technologies, Loveland, CO (BS)
 JSM Protective, Inc., Port St. Lucie, FL (BS, C, CL, D, G, H, L, MG, SP, SC)

Lancs Industries, Albuquerque, NM (BS, D, G, H, SC)
 Mohawk Safety, Manchester, CT (D, SC)
 ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (C, D, G, H, SC)
 Radium Inc., Waynesboro, VA (BS, D)
 Rich Industries Inc., New Philadelphia, OH (BS, C, CL, D, G, H, L, MG, SP, SC)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (BS, C, CL, D, G, H, L, MG, SP, SC)
 ◆ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (BS, C, CL, D, G, H, L, MG, SP, SC)
 Weldstar, Aurora, IL (G)

10900 Clothing, Protective, Other Than Anti-Contamination

- B Bibs & Aprons
- C Coveralls
- CL Coveralls, Lightweight, Breathable
- FS Face Shields
- F Footwear
- GG Gloves, Grinding
- GW Gloves, Welding
- GS Goggles/Spectacles
- HH Hard Hats
- HL Hat Liners
- HP Hearing Protection Devices
- HF Helmets, Fire
- LC Lab Coats
- MG Modesty Garments, Lightweight, Breathable
- RW Rainwear
- RF RF Shielding
- SC Scrub Suits
- SS Splash Sleeves

V Vests, Cool
 Alphasource, Inc., Philadelphia, PA (FS, GG, GW, GS, HH, HL, HP)
 Coastal Network, Inc., Charlottesville, VA (FS, GS, HH, MG, RW, V)
 EK USA, Inc., (EK Ekcessories, Inc.), Logan, UT (GS)
 Elcometer, Inc., Warren, MI (B, C, CL)
 FabOhio, Inc., Uhrichsville, OH (B, C, F, RW, SS, V)
 Frham Safety Products, Inc., Nashville, TN (B, C, CL, FS, F, GG, GW, GS, HH, HL, HP, HF, LC, MG, RW, RF, SC, SS, V)
 JSM Protective, Inc., Port St. Lucie, FL (B, C, CL, FS, F, GG, GW, GS, HH, HL, HP, HF, LC, MG, RW, RF, SC, SS, V)
 Lancs Industries, Albuquerque, NM (F, RW)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (RF)
 Mohawk Safety, Manchester, CT (C, GW, GS, HH, HL)
 Radium Inc., Waynesboro, VA (FS, V)
 Rich Industries Inc., New Philadelphia, OH (B, C, CL, F, HL, LC, RW, SC, SS, V)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (B, C, CL, FS, F, GG, GW, GS, HH, HL, HP, HF, LC, MG, RW, RF, SC, SS, V)
 ◆ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (B, C, F, RF, V)
 Weldstar, Aurora, IL (FS, GW, HH)

11400 Coatings

- C Cable

CS Concrete Sealing/Restoration/Contamination Control
 CR Corrosion-Resistant
 FT Floor Toppings
 IR Insulation-Related
 LC Low-Chloride
 S Strippable
 Advanced Nuclear LLC, Aston, PA (IR)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (CR)
 Arkema, Inc., (formerly ATOFINA Chemicals, Inc.), King of Prussia, PA (CS, CR, IR)
 Bakelite Synthetics, Atlanta, GA (CS, CR, IR)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (CS, CR, FT, S)
 Carolina Fabricators, West Columbia, SC (CR)
 Concurrent Technologies Corporation, (Center for Advanced Nuclear Manufacturing), Johnstown, PA (CR, IR, LC, S)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (C, CR, S)
 Cortec Corp., Saint Paul, MN (CS, CR, S)
 Electric Motor and Contracting Company Inc., Chesapeake, VA (CR)
 EmmEn Marketing Consultants, Pune, Maharashtra, India (FT)
 FEVDI Nuclear Decontamination, Corbas, France (S)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CS, CR, IR)
 Frham Safety Products, Inc., Nashville, TN (S)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (CS, CR, FT)
 GE Hitachi Nuclear Energy, Wilmington, NC (CR)
 Hennigan Engineering LLC, Hingham, MA (CS, CR, S)

REUSABLE & SINGLE USE PROTECTIVE CLOTHING PROGRAMS

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Hexion Inc., Columbus, OH (CS, CR, IR)
 Miller Pipeline, Indianapolis, IN (CS)
 Paxton & Vierling Steel, Carter Lake, IA (CR, IR)
 Plastocor, Inc., Hingham, MA (CR)
 ♦ Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (FT)
 SIFCO Applied Surface Concepts, Independence, OH (CR)
 Southwest Research Institute, San Antonio, TX (CR, IR)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (CS)
 VTT Technical Research Centre of Finland, VTT, Finland (CS, CR)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (CS, CR, FT, S)
 Westlake Epoxy Inc., a Westlake Company, Stafford, TX (C, CS, CR, IR)
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (CS, CR, FT, IR, LC, S)

11650 Communication Systems

F Face Mask Accessories
 H Headsets
 P Paging
 RM Repeated Message Tape/Speaker Boxes
 T Telephone Conferencing (Audio)
 TV Telephone Conferencing (Video)
 T Telephonic (Computerized Calling/ Answering)
 TW Two-Way Radio
 Basic E, Inc., Charlotte, VT (H, TW)

BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (H, P, TW)
 BlackStarTech, Davenport, IA (P, TW)
 Cobalt Audio Video, (A div. of Comtronics), Lexington, KY (F, H, T, TV, TW)
 Comtronics, Lexington, KY (F, H, T, TV, TW)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (H, T, TW)
 Frham Safety Products, Inc., Nashville, TN (F, H)
 Radium Inc., Waynesboro, VA (H)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (H, P, TW)

11680 Compactor Disks, for Drums

S&G Enterprises, Inc., Germantown, WI

11700 Compactors

ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany
 Container Products Corp., Wilmington, NC
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 S&G Enterprises, Inc., Germantown, WI
 Waste Control Systems, Inc., Phoenix, MD

12800 Computer Software

AI Artificial Intelligence

CB Cable Management
 CF Configuration Management/Control
 CA Contract Administration
 CP Critical Path Scheduling
 CD Custom Development
 DB Data Base Management
 DM Decontamination Management
 D Dosimetry
 DD Drawing & Document Control
 EC Economic Analysis
 ET Education/Training
 E Electrical Analysis
 EP Emergency Planning
 ER Emergency Response (In-Plant)
 EA Engineering Analysis
 EM Environmental Monitoring
 EQ Equipment Status/Tagout Tracking
 ES Expert Systems
 FT Fault-Tolerant Automatic Control
 FR Failure/Root Cause Trending
 FS Fire/Safety
 IN Instrument Calibration
 IC Inventory Control (Equipment, Supplies, etc.)
 MC Maintenance Control
 OS Operator Scheduling
 P Piping System Design & Analysis
 PD Plant Design
 PS Procedure Status/Tracking
 PM Project Management
 QA Quality Assurance/Quality Control
 RC Radiological Control/Health Physics
 R Reliability Analysis
 RE Reportability Evaluation
 RI Risk Analysis
 SE Security
 SI Simulation



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- SM Software Maintenance/Control
 SP Software Packages
 SN Special Nuclear Material Tracking
 S Spectroscopy
 TS Technical Specification Systems
 TE Telerobotics
 TR Trending
 WM Waste Management
 WC Water Chemistry Management
- Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (DM, EM)
 Advetage Solutions, El Segundo, CA (CD, D, RC)
 Alphasource, Inc., Philadelphia, PA (IC, MC)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (S, TE)
 Applied Analysis Corp., Reading, PA (CD, EA, P, QA, SI, SM)
 ARES Security Corp., Vienna, VA (AI, EP, ER, SE, SI, TE)
 Arkitek Scientific, Paso Robles, CA (ET)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (TE, WM)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (TE, WM)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (TE, WM)
 ◆ Attention IT, Inc., (Attention IT Ltd. (UK)), Knoxville, TN (CF, CA, CD, DB, DM, DD, ET, IC, PS, PM, QA, SM, SP, SN, TS, WM)
 Aurum Technologies, Blackfoot, ID (AI, CD, D, ET, ER, EM, EQ, IN, PM, RC, SP)
 The Austin Company, Cleveland, OH (CA, DD, EA, PD, PS)
 AVANTech, LLC, Knoxville, TN (EA, WM, WC)
 ◆ Banda Group International, LLC, Mesa, AZ (CA, PM, QA)
 Bechtel, (Bechtel Power), (Bechtel Nuclear, Security & Environmental), (Bechtel National), Reston, VA (P, PD)
 Bevelacqua Resources, Owens Cross Roads, AL (DM, D, ET, EP, ER, EM, RC, RI, SI, SM, SP, SN, S)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (CD, D, RC, SP)
 Black & Veatch, Overland Park, KS (CF, CA, CP, DB, DD, EC, E, EA, EQ, FS, P, PD, PM, QA, R)
 Blue Wave AI Labs, West Lafayette, IN (AI, EC, ES)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (CF, CP, CD, DB, DD, ET, E, EP, EA, P, PD, PM, QA, R, RI, SE, SI, SM, SP, SN, WM)
 Campoverde srl, Milano, Italy (D)
 Chesapeake Nuclear Services, Inc., Annapolis, MD (EM, RC)
 CM Technologies Corp., Coraopolis, PA (ES, QA)
 Coastal Cable Tools, Inc., East Syracuse, NY (IN, MC)
 Computer Engineering Services, Inc., Chattanooga, TN (CD, ER, EA, EM)
 Copperleaf Technologies Inc., Vancouver, British Columbia, Canada (RI)
 Cragg Consulting, Grapevine, TX (RI)
 Crane Nuclear PFT Corp., Kennesaw, GA
 CTR Technical Services, Inc., Manitou Springs, CO (CD, EA, RI, SI, SP)
 Curtiss-Wright Nuclear Division, Brea, CA (CF, CD, DB, D, EP, EA, EQ, FR, FS, IC, MC, P, PM, R, RI, SE, SP, SN, TS, TR, WC)
 Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (CD, DB, EA, SP)
 Curtiss-Wright Nuclear Division, Sciencetech, Idaho Falls, ID (CF, CD, DB, D, EP, EA, EQ, FR, FS, IC, MC, P, PM, R, RI, SE, SP, SN, TS, TR, WC)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (PM, RC, R, RI, SI, TE, WM)
 DCS Systems, Inc., Simsbury, CT (CD, DB, EA, QA)
 DevonWay, San Francisco, CA (CF, CA, DB, D, DD, ET, EM, EQ, FR, IN, IC, MC, PS, PM, QA, RI, SP, SN, TR, WM)
 Deytec, Inc., Ashburn, VA (ET, EA, FS, RI, SI)
 Dominion Engineering, Inc., Reston, VA (CD, EA, RC, WC)
 Ebersen, Inc., Minneapolis, MN (WM)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL
 EmmEn Marketing Consultants, Pune, Maharashtra, India (SP)
 Enercon Services, Inc., Kennesaw, GA (CF, CP, CD, DB, DM, DD, EC, ET, E, EP, EA, EM, FR, FS, MC, P, PD, PS, PM, RC, R, RE, RI, SE, SI, SM, SP, TS, TR)
 Energy Resources International Inc., Washington, DC (CD)
 Engineering Planning and Management, Inc., Framingham, MA (CB, DB, FS, QA, SP)
 ENVINET GmbH, Munich/Haar, Germany (EM, SP)
 Environmental Restoration Group, Inc., Albuquerque, NM (RC)
 ETAP - Operation Technology, Inc., Irvine, CA (CB, ET, E, R, SI)
 F.E. Moran Special Hazard Systems, Northbrook, IL (FS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CP, CD, DM, DD, EC, E, EP, ER, EA, FS, PD, QA, RI, SE, SI, TR, WM, WC)
 Gamma Reality Inc., Richmond, CA (TE)
 GE Hitachi Nuclear Energy, Wilmington, NC (EM, ES, FT, R, RE, RI, SE)
 General Atomics Electromagnetic Systems, San Diego, CA (EM, RC)
 Geovariances, Avon, France (DM, RI, SP, WM)
 Global Quality Management Advisors, Lynchburg, VA (DD, ET, EA, PS, PM, QA)
 GLSEQ, LLC, Huntsville, AL (CB, ER, EA)
 GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (WM)
 GoldSim Technology Group, Seattle, WA (R, RI, SI)
 H3D, Inc., Ann Arbor, MI (RC)
 HGP Inc., Greenville, SC (DB)
 Hoskin Scientific, Oakville, Canada (EM)
 HukariAscendant, Wheat Ridge, CO (CF, DM, EP, ER, EA, FR, FS, MC, P, PS, PM, QA, RC, R, RI, SN, TS, WM)
 Huxtable Consulting LLC, Hilton Head, SC (CD, EC, EA, SP)
 ◆ I.C.E. Service Group, Inc., Moon Township, PA (WM)
 InVizion LLC, Bala Cynwyd, PA (EC, PM)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (DM, EM, RC, SN)
 James Fisher Technologies, Loveland, CO (D, TE)
 Jensen Hughes, Baltimore, MD (AI, CB, DB, DD, E, EP, ER, EA, EM, FR, FS, P, PD, QA, R, RI, SP, TR)
 K Effective LLC, Blue Bell, PA (CD, DB, ET)
 KCI Engineering Consultants, Downers Grove, IL (CD, E)
 Kinectrics Inc., Toronto, Ontario, Canada (D)
 Knowledge Relay, Cypress, CA (CP, DB, MC, OS, PM, RI)
 L3Harris MAPPS Inc., (Power Systems and Simulation), Montreal, Quebec, Canada (ET, EA, PD, QA, SI)
 Longenecker & Associates, Inc., Las Vegas, NV (RI)
 Maxeta Technologies, Inc., Skillman, NJ (CD, ET, RC)
 Mirion Technologies (Canberra) Inc., Meriden, CT (CD, DB, D, EM, QA, RC, SP, S, TR, WM)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (CF, DB, ET, EM, IN, RC, SI, SP, S)
 Murray and Trettel, Inc., Palatine, IL (EM)
 ◆ NAC International Inc., Peachtree Corners, GA (SP, SN)
 Navarro, Oak Ridge, TN (CA, DB, ER, EM, PM, QA, RC)
 Neptune and Company, Inc., Lakewood, CO (AI, CD, DB, EC, EM, ES, PM, QA, RI, SI, SP, TR, WM)
 Newton Research Labs, Inc., Renton, WA
 NextAxiom Technology, Inc., San Francisco, CA (CD, EQ, FR, PS, SP)
 Nuclear-21, Waasmunster, Belgium (ET, ES)
 NuclearConsultants.com, Ann Arbor, MI
 Nucleonova S.L., Valencia, Spain (EA, QA)
 Numerical Advisory Solutions, LLC, Cary, NC (CD, DB, DD, E, EA, FS, P, PD, PM, RE, SE, SP)
 NuVision-HWM, Pittsburgh, PA (TE)
 ORTEC, Oak Ridge, TN (EM, SP, S)
 Pajarito Scientific Corp., Santa Fe, NM (ES, IN, WM)
 PAR Systems, LLC, Saint Paul, MN (FT, R, TE)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (AI, DB)
 Paxton & Vierling Steel, Carter Lake, IA (QA)
 Power & Energy Systems Services, Oradell, NJ (EA, PD, TS)
 Premier Technology, Inc., Blackfoot, ID (WM)
 Primm Consulting, LLC, Knoxville, TN (EC, SI, SP)
 Proxtronics, Dosimetry LLC, Alexandria, VA (CA, EM, IN, PM, QA, RC, RI)
 ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (CD, DB, EM, IN, IC, RC)
 Radium Inc., Waynesboro, VA (CP, CD, EQ, IC, MC, OS, PD, PS, PM)
 Red Wolf Associates, Cary, NC (CD, EA, FS, P, PD, PM, QA, RI, SI, SP)
 RKVST, Santa Clara, CA (DB, DM, PS, SN, WM)
 Sargent & Lundy, Chicago, IL (CB, CF, CP, DB, DD, ET, E, EP, EA, ES, FR, IC, MC, P, PD, PM, QA, RC, R, RI, SE, SM, TS, WC)
 Sentry Equipment Corp., Oconomowoc, WI (WC)
 SimGenics Simulation Systems LLC, Southlake, TX (SI)
 Siteflow, London, United Kingdom (DB, IC, MC, PS, PM, QA, SN, WM)
 Howard L. Sobel, P.E., Oceanside, NY (CA, DB, PM, QA, SN)
 Southwest Research Institute, San Antonio, TX (AI, CD, DB, ET, EA, EM, ES, FS, P, QA, RC, R, RI, SI, S, TE, TR, WM)
 Studsvik Scandpower Inc., Wilmington, NC (ET, EA, SI)
 Studsvik, Inc., Sandy Springs, GA (P, PD, PM, SI)
 Success Staging International, LLC, Evans, GA (CF, CP, DB, EA, PD, PM, QA, RI)
 Tap Report, Toronto, Ontario, Canada (FS)
 Taurus Telesys Inc., Newport News, VA (EM)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (RC)
 ◆ Teledyne Brown Engineering, Inc., Huntsville, AL (EM)
 The Delphi Groupe, Inc., Austin, TX (CD, D, EA, EM, FR, PS, PM, RC, RI, SP)
 Theseus Professional Services, LLC, Baltimore, MD (ET, QA)
 Timesoft, Long Beach, CA (CD, R)
 TRAD - RayXpert, Labège cedex, France (DM, D, ET, ES, IN, P, PD, RC, WM)
 TransWare Enterprises Inc., St. Louis, MO (CF, CD, EA, PD, PM, QA, SI, SM, SP, SN, TR)
 Ultra Energy, (Weed Instrument), Round Rock, TX (EP, ER)
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (R, S)
 UxC, LLC, Roswell, GA (EC)
 VAT Group, San Jose, CA (ET, IC)
 Volian Enterprises, Inc., Murrysville, PA (CD, DB, ER, MC, SP, TS)
 Walischmiller Engineering GmbH, Germany (TE)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (CF, CD, D, EA, PS, RC, SI, SP, SN, TS, WM)
 ◆ WMG, Inc., Peekskill, NY (DB, EM, IC, RC, SM, SP, SN, WM)

See advertisement on cover 3

12900 Computers & Accessories

A Analog
 AI Artificial Intelligence Systems
 CG Color Graphics
 C Converters
 D Digital
 DD Disk Drives
 ES Expert Systems
 HH Hand-Held
 H Hybrid
 IO Input/Output Interface Units
 MF Main Frame
 MS Mass Storage Units
 M Memory Units
 MC Micro
 MP Microprocessor Circuit Boards
 MN Mini
 PR Printers
 TD Tape Drives
 VD Video Display Units

Acromag Inc., Wixom, MI (A, C, IO)
 Advetage Solutions, El Segundo, CA (VD)
 Ahlberg Cameras, Wilmington, NC (VD)
 Arkitek Scientific, Paso Robles, CA (CG)
 Aurum Technologies, Blackfoot, ID (AI, D, ES, H)
 AVANTech, LLC, Knoxville, TN (A, CG, D, IO)
 Blue Wave AI Labs, West Lafayette, IN (AI, ES)
 Bot Engineering Ltd, Campbellville, Ontario, Canada (A, C, D, H, MP)
 Curtiss-Wright Nuclear Division, Brea, CA (D, MC, MN)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (D, MC, MN)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (D)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (D, IO, VD)
 Exitech Corp., Maryville, TN (CG, D, IO, MC, MN)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CG, IO, MP, VD)
 GE Hitachi Nuclear Energy, Wilmington, NC (AI, CG, D)
 GLSEQ, LLC, Huntsville, AL (HH)
 Labor Sync, Dumont, NJ (HH)
 Mirion Technologies (Canberra) Inc., Meriden, CT (D, MC, MN)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (A)
 Southwest Research Institute, San Antonio, TX (AI)
 Taurus Telesys Inc., Newport News, VA (CG, D, IO, MN)
 Thinklogical, A Belden Brand, Milford, CT (VD)
 Timesoft, Long Beach, CA (ES)

13050 Concrete Breaking, Drilling, Sawing & Scabbling

C Contractors
 E Equipment
 R Equipment Rental

AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (E, R)
 ◆American DND Inc., Grand Island, NY (C, E, R)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (C, E, R)
 Bluegrass Concrete Cutting, Inc., Greenville, AL (C)
 Brokk AB, Skelleftea, Sweden (E)
 ◆Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (E, R)
 Cutting Technologies (CTI), Gloucester City, NJ (C, E, R)
 Desco Mfg. Co., Inc., Rancho Santa Margarita, CA (E)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (C)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (C)

In-Place Machining Company, LLC, Blue Ash, OH (C, E)
 James Fisher Technologies, Loveland, CO (C, E)
 Mega-Tech Services, LLC, Cooksburg, PA (C)
 New Millennium Nuclear Technologies International, Lakewood, CO (C)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (C)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (C, E, R)
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (C)

13400 Connectors

DC Data Communications
 E Electrical
 EG Electrical, Glovebox
 EQ Electrical, Quick Disconnect
 FO Fiber Optic
 T Thermocouple
 CableLAN Nuclear, Inc., Fort Myers, FL (DC, E, FO)
 Centronic Ltd., Surrey, United Kingdom (T)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (T)
 Curtiss-Wright Nuclear Division, Brea, CA (E, EQ, FO, T)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (E, EQ, FO, T)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (T)
 Glenair, Inc., Wallingford, CT (E, EQ, FO, T)
 James Fisher Technologies, Loveland, CO (E)
 Kanata Electronic Services Ltd., Division of Shawcor Ltd., Toronto, Ontario, Canada (EQ)
 Kinectrics Inc., Toronto, Ontario, Canada (FO)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (E, FO, T)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (E, FO, T)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (E, EG, EQ, T)
 PAVE Technology Co., Dayton, OH (E, EG)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (E, EG)
 Timesoft, Long Beach, CA (DC)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (E, EQ, FO, T)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (DC, E, EG, EQ, FO, T)

13600 Consoles, Control

AVANTech, LLC, Knoxville, TN
 Energy Steel, Rochester Hills, MI
 GE Hitachi Nuclear Energy, Wilmington, NC
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX
 Sylvan Automation Ltd., Oakville, Ontario, Canada
 Thinklogical, A Belden Brand, Milford, CT
 Westinghouse Electric Co. LLC, Cranberry Township, PA
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

13700 Construction Materials

AE Anchors, Chemical (Epoxy)
 A Anchors, Concrete
 AF Asbestos-Free Fiber Cement
 CG Commercial Grade Dedication
 C Concrete
 RB Concrete Reinforcement, Bar (Rebar)
 RM Concrete Reinforcement, Mesh
 LF Lumber, Fire-Retardant-Treated
 R Refractory
 SP Splices, Rebar
 SS Steel, Structural

◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (SS)
 Carolina Fabricators, West Columbia, SC (SP, SS)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (A, RB, RM, SP, SS)
 Container Technologies Industries, LLC, Helenwood, TN (SS)
 Curtiss-Wright Nuclear Division, Brea, CA (A)
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH (A)
 Cutting Technologies (CTI), Gloucester City, NJ (AE, A)
 DuBose National Energy Services, Inc., Clinton, NC (AE, A, RB, RM, SP, SS)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (C, RB)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (A, RB, RM, SP, SS)
 Ironworker Management Progressive Action Cooperative Trust (IMPACT), Washington, DC (SS)
 Joseph Oat Corp., Camden, NJ (A, RB, SP, SS)
 Lincoln Structural Solutions, Louisville, NE (AE, A, RB, SP, SS)
 MillenniTEK, LLC, Knoxville, TN (R)
 Nuclear Shielding Supplies & Service, Tucson, AZ (C)
 Paxton & Vierling Steel, Carter Lake, IA (SS)
 PMT Nuclear, Woodridge, IL (AE, A, SS)
 Premier Technology, Inc., Blackfoot, ID (SS)
 ◆SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (CG)
 Tioga Pipe, Philadelphia, PA (SS)
 Trust Manufacturing, LLC, Euclid, OH (A, SS)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (A, RB, RM, SP, SS)
 UCC Industries International Inc., Pickering, Ontario, Canada (SS)

13850 Construction/Engineering Services

AE Architect-Engineers
 CE Civil Engineers
 CS Construction Services
 EC Engineer-Constructors
 ES Erection Services
 Advanced Consulting Group, Inc., Chicago, IL (AE)
 Advanced Nuclear LLC, Aston, PA (ES)
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (AE)
 ◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (CS, EC, ES)
 American DND Engineering, PC, Ellicottville, NY (AE, CS, EC)
 ◆American DND Inc., Grand Island, NY (CS)
 The Austin Company, Cleveland, OH (AE, CE, CS, EC)
 Babcock Services, Inc., Kennewick, WA (AE, CE, CS, EC)
 Barge Design Solutions, Nashville, TN (AE, CE)
 Barnhart Nuclear Services, Fairhope, AL (CS, ES)
 Bechtel, (Bechtel Power), (Bechtel Nuclear, Security & Environmental), (Bechtel National), Reston, VA (AE, CS, EC)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (CE, CS, EC)
 Black & Veatch, Overland Park, KS (AE, CE, CS, EC, ES)
 Bluegrass Concrete Cutting, Inc., Greenville, AL (CS)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (AE, CE, CS, EC)
 Bureau Veritas Inspection & Insurance Co., Lynn, MA (CS)
 ◆Burns & McDonnell, Kansas City, MO (AE, CE, CS, EC, ES)

See advertisement on page 77

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- Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (CS, EC, ES)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (CS, EC, ES)
 EKIUUM, Bron Cedex, France (AE, CE, CS)
 Enercon Services, Inc., Kennesaw, GA (CS)
 Energy Steel, Rochester Hills, MI (AE, CE, EC)
 Engineered Rigging, Russellville, AR (AE, CE, CS, EC)
 Exitech Corp., Maryville, TN (EC)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (CS)
 GE Hitachi Nuclear Energy, Wilmington, NC (CE)
 GEI Consultants, Inc., Woburn, MA (CE)
 GSE Engineering, Design & Analysis, (Formerly known as DP Engineering), Fort Worth, TX (AE, CE, CS, EC, ES)
 HukariAscendent, Wheat Ridge, CO (AE, CE)
 Idom Consulting, Engineering, Architecture S.A.U., Bilbao, Spain (AE, CE, CS, EC)
 Imperia Engineering Partners LLC, Milford, MA (CE, CS, EC)
 In-Place Machining Company, LLC, Blue Ash, OH (CS, EC)
 Ironworker Management Progressive Action Cooperative Trust (IMPACT), Washington, DC (CS)
 KCI Engineering Consultants, Downers Grove, IL (AE, CE, EC)
 Kiewit Nuclear Solutions Co., Oak Ridge, TN (CE, CS, EC, ES)
 Kinectrics Inc., Toronto, Ontario, Canada (CE)
 LATA, Albuquerque, NM (CE)
 Leak Testing Specialists, Inc., Orlando, FL (EC)
 Longenecker & Associates, Inc., Las Vegas, NV (CS)
 Manafort Brothers Inc., Plainville, CT (CS)
 Merrick & Company, Greenwood Village, CO (CE)
 Miller Pipeline, Indianapolis, IN (CS)
 ◆NAC International Inc., Peachtree Corners, GA (EC)
 NAES Power Contractors, Inc., Cranberry Township, PA (CS)
 Navarro, Oak Ridge, TN (CE, CS)
 North Wind Group, Idaho Falls, ID (AE, CE, CS, EC)
 Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (ES)
 Numerical Advisory Solutions, LLC, Cary, NC (AE, CS, EC)
 Orano Federal Services, Charlotte, NC (AE)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (CE, CS, EC)
 PMT Nuclear, Woodridge, IL (CS, ES)
 Sargent & Lundy, Chicago, IL (AE, CE)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (EC, ES)
 Studsvik, Inc., Sandy Springs, GA (AE)
 Success Staging International, LLC, Evans, GA (AE, CE)
 System One, Pittsburgh, PA (AE, CE, CS, EC)
 Tetra Tech Inc., Richland, WA (AE, CE, CS, EC, ES)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (CE, CS)
 United Engineers & Constructors, Inc., (Sub. of Imperia Engineering Partners), Mount Laurel, NJ (AE, CE, CS, EC)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (CE, EC)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (AE, CE, CS, EC)
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (CS)
- CD Component/System Design & Analysis
 CS Computer Systems & Software
 CC Configuration Control
 CA Contract Administration
 CH Cranes & Hoists
 CE Criticality Hazard Evaluation
 DC Decontamination
 DE Decommissioning
 ES Earth Science Services
 EA Economic Analysis, Trade-off Studies
 EP Emergency Planning & Response
 E Environmental
 EC Equipment Condition Monitoring
 FP Fire Protection
 FT Fuel Transport/Storage
 LP Lightning Protection
 MN Maintenance
 MA Management Audit
 MI Management Information & Control Systems
 M Meteorology
 N Noise Abatement
 OD Organization Development
 PE Performance Measurement
 PH Personnel Stress/Health
 P Piping
 PS Procurement Support
 PP Project Planning & Management
 QA Quality Assurance/Quality Control
 RD Radiation Management
 RE Radiological Engineering
 RM Records Management Systems
 RO Reengineering, Organization
 RC Regulatory Compliance
 RA Risk Analysis
 S Security
 SE Seismic
 SH Shielding
 SS Simulation Services
 SI Siting
 SY System Engineering-Requirements Analysis
 ST Systems Testing
 TE Training Evaluation, Management
 TA Trend Analysis & Corrective Action Programs
 WM Waste Management
 WT Water Treatment
- 3 Bears Technical Services, LLC, Hixson, TN (AU, CC, DC, DE, FP, PE, PP, QA, RE, WM)
 3G Services Company LLC, Clinton, MS (TE)
 Adam Brown Consulting, Inc., Cary, IL (AU, CO, DE, FP, MN, MA, OD, PE, PP, QA)
 Advanced Consulting Group, Inc., Chicago, IL (DE, MN, P, PP)
 Advanced Cooling Technologies, Inc., Lancaster, PA
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (DC, DE, E, RD, RC, RA, SH, WM)
 Advetage Solutions, El Segundo, CA (DE, RD, RE, WM)
 ◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (DC, DE, MN, P)
 Aegis, LLC, Ooltewah, TN (AC)
 Aggreko Ltd., Houston, TX (PE, PP, SY)
 Alphasource, Inc., Philadelphia, PA
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (DE, EP)
 American Crane & Equipment Corp., Douglassville, PA (CH, MN)
 ◆American DND Inc., Grand Island, NY (CA, CH, DC, DE, E, PP, WM)
 F.N. Anderson & Assoc., Forest, VA (CD, CE, DE, E, FT, QA, SH, WM)
 Andritz AG, Graz, Austria (CD, CS, EA, FT, P, S, SE)
 Applied Analysis Corp., Reading, PA (CD, FT, M, QA, RE, RC, SH, SS, SI)
 ARES Security Corp., Vienna, VA (EP, S)
 ◆Argonne National Laboratory, (EOF Div.), Argonne, IL (DE)
 ASI Marine, Orchard Park, NY (P, WT)
- ASVAD INTL SL, Tarragona, Spain
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (DE, WM)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (DE, WM)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (DE, WM)
 ◆Attention IT, Inc., (Attention IT Ltd. (UK)), Knoxville, TN (CS, MI, WM)
 The Austin Company, Cleveland, OH (CA, PS, PP, QA, RO)
 AVANTech, LLC, Knoxville, TN (C, E, SH, WM, WT)
 AZIsotopes Corp., Bunker Hill, IN
 Babcock Services, Inc., Kennewick, WA (AU, CM, CA, DC, DE, PS, PP, QA, RD, RE, WM)
 Bakelite Synthetics, Atlanta, GA (CO)
 ◆Banda Group International, LLC, Mesa, AZ (CA, EP, E, FP, MA, PP, S, WM)
- See advertisement on page 67**
- Barnhart Nuclear Services, Fairhope, AL (CH)
 G.D. Barri & Associates, Inc., Peoria, AZ (MN, PP, WM, WT)
 Basic E, Inc., Charlotte, VT (PS)
 Battery Lane LLC, Carson City, NV (CA, EA, MI, OD, PE)
 Bechtel, (Bechtel Power), (Bechtel Nuclear, Security & Environmental), (Bechtel National), Reston, VA
 Bevelacqua Resources, Owens Cross Roads, AL (CE, DC, DE, E, RD, RE, RA, TE, WM)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (AC, CO, CD, CS, CC, DC, DE, EP, E, MN, MA, MI, PE, PS, PP, QA, RD, RE, RC, RA, S, SH, SY, ST, TE, TA)
 Black & Veatch, Overland Park, KS (AC, C, CM, CD, CS, CC, CA, DE, ES, EA, E, EC, FP, FT, LP, MA, MI, N, OD, P, PS, PP, QA, RE, RM, RO, RC, RA, S, SE, SI, ST, TE, TA, WT)
 BlackStarTech, Davenport, IA (EP, MN, RA, S)
 Blue Wave AI Labs, West Lafayette, IN (EA, SS)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (CD, CS, CC, CE, DC, DE, FP, MA, MI, P, PP, QA, RD, RE, RM, RC, RA, S, SH, SS, SY, ST, TE, TA, WM)
 Brownstone Psychological Associates, Manitowoc, WI
 Bureau Veritas Inspection & Insurance Co., Lynn, MA (QA, RC)
 ◆Burns & McDonnell, Kansas City, MO (AC, C, CO, CM, CD, CS, CC, CA, CH, CE, DC, DE, ES, EA, E, FP, OD, PE, P, PS, PP, QA, S, SE, SH, SI, SY, ST, TE, TA, WM, WT)
 Campoverde srl, Milano, Italy (DC, DE, RE)
 Carignan & Associates LLC, Chattanooga, TN (DE, PP, TE)
 CBS Nuclear Services, Inc., Matthews, NC
 Centronic Ltd., Surrey, United Kingdom (RD, RE)
 Chesapeake Nuclear Services, Inc., Annapolis, MD (DC, DE, EP, E, M, RD, RE, SH, WM)
 Cohesive, St. Louis, MO (CS, MN, MI, OD, PP)
 Computer Engineering Services, Inc., Chattanooga, TN (CS, RD, RC)
 Concurrent Technologies Corporation, (Center for Advanced Nuclear Manufacturing), Johnstown, PA (C, CO, CD, CS, CC, ES, E, MN, PE, PP, QA, SS, SY, ST, TE, WT)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (CO, CD, P, PS, PP, RA, SY)
 Copperleaf Technologies Inc., Vancouver, British Columbia, Canada (CS, PP, RA)
 Cortec Corp., Saint Paul, MN (CO)
 CPMQ Consulting, LLC, Huntsville, AL (PP, TE)
 Cragg Consulting, Grapevine, TX (RA)
 Crane Nuclear PFT Corp., Kennesaw, GA (EC, MN, PP)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (SH)
 CS-2 Inc., Grand Island, NY (CA, DC, DE, E, PS, PP, QA, WM)
- 14000 Consultants**
- AC Air Cleaning, Filtration
 AU Auditing
 C Chemical Process Design
 CO Coatings/Corrosion
 CM Communications, Management-Employee

- CTR Technical Services, Inc., Manitou Springs, CO (CE, SH)
- Curtiss-Wright Nuclear Division, Brea, CA (AC, C, CD, CS, CC, CA, CH, CE, EP, E, EC, FT, MN, MA, MI, P, PS, PP, QA, RD, RM, RC, RA, S, SE, SH, SS, ST, TE, WM)
- Curtiss-Wright Nuclear Division, AP Services, Middleburg Heights, OH
- Curtiss-Wright Nuclear Division, Enertech, Brea, CA (AC, CD, CA, EC, MN, P, PS, QA, RC, RA, SE, TE)
- Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (CS, WM)
- Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH
- Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (E, MN, PS, QA, RC, SE, SH)
- Curtiss-Wright Nuclear Division, Sciencetech, Idaho Falls, ID (C, CD, CS, CC, CH, CE, EP, EC, FT, MN, MA, MI, P, PS, PP, QA, RD, RM, RC, RA, S, SE, SH, SS, ST, TE)
- CYCLIFE, (Brand of EDF Group), Puteaux, France (RA, SH)
- DB2 Consulting Inc., Baltimore, Ontario, Canada (AU, CA, OD)
- DCS Systems, Inc., Simsbury, CT (CS, FT, MA, QA, TA)
- Desco Mfg. Co., Inc., Rancho Santa Margarita, CA (CO, DC, DE, E, MN)
- Deytec, Inc., Ashburn, VA (FP, PP, RC, RA)
- Dominion Engineering, Inc., Reston, VA (AC, C, CO, DC, DE, PE, P, RD, RE, RC, RA, SE, WM, WT)
- Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (AU, CD, MN, PP, RD, RE, SH, WM, WT)
- DW James Consulting, North Oaks, MN (DE, RE, SH, WM)
- E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (DE, MN)
- E.S. Fox Limited, Niagara Falls, Ontario, Canada (MN, P, QA)
- Ebersen, Inc., Minneapolis, MN (E, MA)
- ECU Corporation, Cincinnati, OH (AC)
- EKIUM, Bron Cedex, France (AC, C, CD, CS, CC, CE, DE, EP, EC, FP, LP, MN, MI, P, PS, PP, RO, RA, S, SE, SS, SY, ST)
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL
- Ellis & Watts Global Industries, Inc., (a sub. of Marmor®, a Berkshire Hathaway company), Batavia, OH (AC)
- EmmEn Marketing Consultants, Pune, Maharashtra, India
- Empyrean Services, Sewickley, PA (AU, CM, CD, CC, CA, CE, DC, DE, ES, EA, EP, E, EC, FP, FT, LP, MN, MA, MI, N, OD, PE, PS, RD, RE, RM, RO, RC, RA, S, SE, SH, SS, SI, SY, ST, TE, TA, WM)
- Enercon Services, Inc., Kennesaw, GA (AC, CM, CS, CC, CA, CH, DE, ES, EA, EP, E, FT, LP, MN, MA, MI, M, N, OD, PE, P, PS, PP, RD, RM, RO, RC, RA, S, SH, SS, SI, ST, TE, TA, WM, WT)
- Energy Resources International Inc., Washington, DC (CS, EA, MA, PS, WM)
- Energy, Technology and Environmental Business Association, Oak Ridge, TN (WM)
- ◆EnergySolutions, Salt Lake City, UT (CH, DC, DE, EA, EP, E, MA, PP, QA, RD, RE, RC, RA, SH, TE, TA, WM, WT)
- Engineered Rigging, Russellville, AR (CH, MN, PP, QA)
- Engineering Planning and Management, Inc., Framingham, MA (CD, CS, CC, FP, MA, PS, RC, RA, SY, TE)
- ENVINET GmbH, Munich/Haar, Germany (E)
- Environmental Restoration Group, Inc., Albuquerque, NM (DE, E, RA)
- EXCEL Services Corporation, Rockville, MD (DC, DE, EP, E, FP, MA, OD, PP, QA, RO, RC, RA, S, SI, TE, WM)
- Exitech Corp., Maryville, TN (CD, CS, CC, CA, DE, EA, EP, MA, MI, PS, PP, QA, RM, RO, RC, SS, ST)
- FEVDI Nuclear Decontamination, Corbas, France (DC, DE)
- Framatome Inc., (North American Headquarters), Lynchburg, VA (C, CO, CD, CS, CC, CE, DC, EP, E, FP, MN, PE, P, PS, PP, QA, RD, RE, RM, RC, RA, S, SE, SH, SS, SY, ST, TE, TA, WM, WT)
- Fuel Tank Maintenance Co., LLC, Cookeville, TN (CO, DC, DE, FP, FT, P, WT)
- Full On Communications, Woodstock, VT (CM)
- GE Hitachi Nuclear Energy, Wilmington, NC (C, CD, DC, DE, EP, E, MN, MI, P, PP, QA, RD, RE, RM, SE, ST, WT)
- GEI Consultants, Inc., Woburn, MA (DE, ES, E, P, PP, SE, SI)
- The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (EP, E)
- General Atomics Electromagnetic Systems, San Diego, CA (CD, CS, E, PP, RD, RE, RC, SS, ST)
- General Magnaplate, Arlington, TX (CO)
- Geovariances, Avon, France (DC, DE, ES, E, RA, WM)
- Global Quality Management Advisors, Lynchburg, VA (AU, CM, CC, CA, E, MA, PP, QA, RM, RC, RA, SE, TE, TA)
- GLSEQ, LLC, Huntsville, AL (EC, PS, SE)
- GoldSim Technology Group, Seattle, WA (E, RC, RA, WM)
- Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (AU, RD, RC, WM)
- Grecheck Consulting LLC, Midlothian, VA (CC, EA, MA, OD, RO, RC)
- GSE Engineering, Design & Analysis, (Formerly known as DP Engineering), Fort Worth, TX (CC, EC, FP, FT, MN, MA, MI, PE, PH, P, PS, QA, RO, RC, SS, TA)
- GSE Engineering, Programs & Performance, (Formerly known as True North Consulting), Montrose, CO (CD, CS, CC, EA, E, EC, FT, MN, MA, MI, PE, PS, QA, RO, RC, RA, SS, SY, ST, TE, TA, WM)
- Hansell Tierney, Inc. (WBE), Mercer Island, WA (C, CM, CD, CS, CC, CA, FP, FT, MI, OD, PE, PS, PP, RM, RC, RA, SH, SS, SY, ST, TE)
- HealthPhysics.com, Amarillo, TX (AC, CD, EP, PH, TA)
- Heatric Division of Meggitt (UK) Ltd., Poole, Dorset, United Kingdom
- Hexion Inc., Columbus, OH (CO)
- HGP Inc., Greenville, SC (MA)
- Highland TEMS, LLC, Marietta, GA (CD, CC, MI, OD, PP, RO, RA, SY)
- ◆Holtec International, Camden, NJ (CD, CH, CE, DE, FT, P, QA, RC, SE, SH)
- HukariAscendent, Wheat Ridge, CO (AC, C, CO, EP, E, FT, MA, MI, PE, RD, RE, RC, RA, SS)
- Hydro, Inc., (HydroAire Services Division), Chicago, IL (MN)
- ◆I.C.E. Service Group, Inc., Moon Township, PA (DE, E, PP, QA, RD, WM)
- Idom Consulting, Engineering, Architecture S.A.U., Bilbao, Spain (AC, CO, CD, CC, DE, EA, EP, FP, LP, MA, M, P, PS, PP, QA, RE, RA, S, SE, SH, SS)
- ILD, Inc., Baton Rouge, LA (P, ST)
- Imperia Engineering Partners LLC, Milford, MA (CO, CD, CS, CC, CA, DE, E, EC, FT, LP, MA, N, P, PS, PP, QA, RC, RA, S, SE, SH, SI, SY, ST, TA)
- In-Place Machining Company, LLC, Blue Ash, OH (WM)
- Integra Services Technologies Inc., Pasadena, TX (P)
- Interdevelopment, Inc., Washington, DC (EA, PS, PP)
- Intertek, Santa Clara, CA (EA, P, RC)
- InVizion LLC, Bala Cynwyd, PA (PP, RA)
- ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (CS, CE, DC, DE, RD, RE, SH)
- Jacobi Consulting, Austin, TX (AU, RD, RE, RC, SI, TE, WM)
- Jacobs, (CH2M HILL Nuclear Business Group), (CH2M HILL International Nuclear Services, Ltd.), (CH2M HILL Constructors, Inc.), (Jacobs Engineering), (Jacobs), Dallas, TX (CM, DC, DE, EP, E, FT, OD, PP, RC, WM)
- James Fisher Technologies, Loveland, CO (DC, DE, SY)
- Jensen Hughes, Baltimore, MD (CS, EP, E, FP, PE, P, QA, RC, RA, S, SE, SS, SI, SY, TA)
- Joseph Oat Corp., Camden, NJ (E, P, PS, QA, SE)
- K Effective LLC, Blue Bell, PA (CS)
- KCI Engineering Consultants, Downers Grove, IL
- Kinectrics Inc., Toronto, Ontario, Canada (C, CO, CD, DC, DE, E, EC, LP, MN, QA, RD, RE, RC, RA, SE, SH, SY, ST, TE, TA, WM, WT)
- Kinemetrics, Inc., Pasadena, CA (SE)
- Klein Consulting LLC, Norwich, CT (AU, FT, MA, PS, QA, TE)
- Knowledge Relay, Cypress, CA (PP)
- L3Harris MAPPS Inc., (Power Systems and Simulation), Montreal, Quebec, Canada (SS)
- LATA, Albuquerque, NM (DC, DE, ES, E, PP, QA, RC, RA, WM)
- Leak Testing Specialists, Inc., Orlando, FL (QA)
- LeBlond and Associates, LLC, Libertyville, IL (CC, RC)
- Lightbridge Corporation, Reston, VA (EA, PP, RC)
- Longenecker & Associates, Inc., Las Vegas, NV (CM, CE, DC, DE, E, PE, PP, QA, RD, RE, RA, WM)
- Lucideon, Morrisville, NC (CO, WM)
- LUDECA, Inc., Doral, FL (EC)
- A. C. Macris, Consultants, Mystic, CT (MI, PP, TE)
- MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (SH, WM)
- Materials and Chemistry Laboratory, Inc., (MCLinc), Oak Ridge, TN (E)
- Mega-Tech Services, LLC, Cooksburg, PA (DC, MN)
- Meridian Services Group, (formerly Work Management, Inc., and High Bridge Associates, Inc.), Chattanooga, TN (DE, EA, MN, OD, PP, RA, TE)
- Merrick & Company, Greenwood Village, CO (AC, C, CD, P, SE, SH, WM, WT)
- METOil, Praha, Czech Republic (The) (C)
- MillenniTEK, LLC, Knoxville, TN (FT, MI)
- Mirion Technologies (Canberra) Inc., Meriden, CT (CE, DC, DE, EP, E, MI, PP, RD, RE, RM, SI, WM)
- Mirion Technologies (MGPi H&B) GmbH, (Mirion Technologies), Munich, Germany (AU, EC, QA, RD, RE, RC, SE, SH, SS, SY, ST)
- Morson International Inc., (Morson Canada), Toronto, Ontario, Canada (DE, EP, FP, FT, MN, PS, PP, QA, RD, RA)
- Murray and Trettel, Inc., Palatine, IL (EP, E, M)
- ◆NAC International Inc., Peachtree Corners, GA (CD, CS, CE, EA, FT, MI, PE, QA, RM, SH, WM)
- ◆NAC LPT LLC, Mars, PA (E, WM)
- NAC Philotechnics, Ltd., Oak Ridge, TN (DC, DE, RD, SH, WM)
- Navarro, Oak Ridge, TN (CM, CA, DC, DE, EP, MN, PP, QA, RD, RA, TA, WM, WT)
- Neptune and Company, Inc., Lakewood, CO (CS, ES, EA, E, QA, RM, RC, RA, TA, WM)
- Netzsch Instruments North America LLC, Burlington, MA (ES)
- New Millennium Nuclear Technologies International, Lakewood, CO (WM)
- North Wind Group, Idaho Falls, ID (WM)
- NSSI/Recovery Services Inc., Houston, TX (DC, DE, E, RE, RC, WM, WT)
- NucAdvisor, Courbevoie, France (EA, E, RC)
- Nuclear Economics Consulting Group (NECG), Alexandria, VA (EA, PS, RA)
- Nuclear Shielding Supplies & Service, Tucson, AZ (SH)
- Nuclear-21, Waasmunster, Belgium (AU, OD, RC)

- NuclearConsultants.com, Ann Arbor, MI (CD, CS, CE, FT, SH, WM)
- Nucleonova S.L., Valencia, Spain (CD, MA, PS, QA, RO, SY)
- NUCON International, Inc., Columbus, OH (AC, C, CD, E, WM, WT)
- Numerical Advisory Solutions, LLC, Cary, NC (CD, CS, CC, DE, EA, EC, FP, LP, MN, P, PS, PP, QA, RC, RA, S, SE, ST)
- NuSource LLC, Alexandria, VA (CD)
- O'Donnell Consulting Engineers, Inc., Bethel Park, PA (C, CD, N, P, RA, SE)
- ◆Orano USA, Bethesda, MD (DC, DE, FT, WM)
- Pacific Development Services Inc., Carson City, NV (DE, EA, FT, WM)
- Pajarito Scientific Corp., Santa Fe, NM (DC, DE, FT, RD, SH, WM)
- PAR Systems, LLC, Saint Paul, MN (CD, CH, SE, SY, WM)
- ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (CD, MN, PS, SE)
- Paschal Solutions, Inc., Knoxville, TN (CE, FP, MA, PP, RE, RC, SH, TA)
- Paxton & Vierling Steel, Carter Lake, IA (SE)
- Perma-Fix Environmental Services, Inc., Oak Ridge, TN (RE)
- Pioneer Motor Bearing Co., Kings Mountain, NC
- Plant Decommissioning, Lake Villa, IL (DE)
- Platom Oy, Mikkeli, Finland
- PMT Nuclear, Woodridge, IL (AC, P, QA, SE, SH)
- Power & Energy Systems Services, Oradell, NJ (CD, EC, TE, TA)
- Power Generation Integrated Consulting Limited (PGICL), Etobicoke, Ontario, Canada (AU, CC, MI, OD, PP, QA, RC, SY, TE, WM)
- Powerfect Service, Inc., Brick, NJ (MN, QA)
- Precision Custom Components, LLC, York, PA (CD, SE)
- Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (CC, CH, FT, MN, SH)
- Preferred Quality Services, Inc., Jacksonville, FL (QA)
- Premier Technology, Inc., Blackfoot, ID (RD, SH)
- Primm Consulting, LLC, Knoxville, TN (CS, CE, EA, SH)
- Prospect Law Ltd., London, United Kingdom (DE, E, RC, RA)
- PROTEM USA, Evergreen, CO (DE, MN, P)
- Proxtronics, Dosimetry LLC, Alexandria, VA (CA, DC, DE, EP, E, RE, RM)
- PTP Spent Fuel Services, LLC, Grand Island, NY (DE, FT, PP, WM)
- Radiation Protection Systems, (by Alpha Safety), Groton, CT (AC, DE, RE, SH)
- ◆Radiation Safety & Control Services, Inc., Seabrook, NH (CE, DC, DE, EP, E, MA, PP, RD, RE, RC, RA, SH, SS, TE, TA, WM, WT)
- See advertisement on page 11**
- Radics LLC, Kropyvnytskyi, Ukraine (CD, CS, FP, MI, SE)
- Radiological Solutions Inc., Rockdale, IL (E, RE, TA, WM, WT)
- Radium Inc., Waynesboro, VA (CM, MN, PE, PP)
- Ray Termini & Associates LLC, Wheaton, IL (FT, PP)
- Red Wolf Associates, Cary, NC (FP, M, P, RE, RA, SH, SY, TE)
- Remtech Inc., The Villages, FL (M)
- ReNuke, Oak Ridge, TN (DE, RD, RE)
- RETAQS, Inc., Blue Bell, PA (PP)
- Rexon Components, Inc., Beachwood, OH
- Right Brain Sekurity, Oswego, IL (MA, RA, S, TE)
- Robatel Technologies, LLC, Roanoke, VA (FT, SH, WM)
- Rogante Engineering Office, Civitanova Marche, Italy (AC, CO, DE, QA)
- RSO, Inc., (Radiation Service Organization), Laurel, MD (DC, E, RD, WM)
- S&K Logistics Services, Byron, GA (CM, CS, CA, EP, E, PE, PS, PP, QA, RM, RC, RA, TE, TA, WM)
- Sargent & Lundy, Chicago, IL (AC, C, CO, CD, CS, CC, CA, CH, CE, DC, DE, ES, EA, EP, E, EC, FP, FT, LP, MN, MA, MI, M, N, PE, P, PS, PP, QA, RD, RE, RM, RC, RA, S, SE, SH, SS, SI, SY, ST, TE, TA, WM, WT)
- Schulz Electric, Timken Power Systems, East Haven, CT (CH, MN)
- SecurMAR, LLC, Zionsville, IN (S)
- J. L. Shepherd & Assoc., San Fernando, CA (SH)
- Shipsrock Consulting, LLC, Westport, MA (CM, DC, DE, E, MA, OD, PP, RD, RO, RC)
- Sidus Solutions LLC, San Diego, CA (CH, S, TE, WM)
- Siempelkamp NIS, Alzenau, Germany (DE)
- SIET, Piacenza, Italy (PE, QA, ST)
- Sigma Science, Inc., Albuquerque, NM (CS, CE, E, FP, FT, LP, PP, QA, RD, RE, RA, SY, WM)
- Simpson Gumpertz & Heger (SGH), Chicago, IL (AU, CO, CD, CH, DE, FP, FT, P, PS, PP, QA, RC, SE, WM)
- Howard L. Sobel, P.E., Oceanside, NY (CA, MA, OD, QA, WM)
- Sonic Systems International, LLC, Houston, TX (QA)
- Southwest Research Institute, San Antonio, TX (AC, C, CO, CD, CS, CE, DC, DE, ES, E, EC, FP, FT, LP, M, N, P, QA, RE, RC, RA, S, SE, SH, SI, SY, ST, TE, TA, WM)
- Standish Technologies International, Export, PA (CS)
- ◆Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (DE, RD)
- Studsvik, Inc., Sandy Springs, GA (E, P, PP, SS, ST)
- Success Staging International, LLC, Evans, GA (CC, CA, ES, MA, MI, PS, PP, RO, SI, ST, WM)
- Superconductivity Innovations, New Windsor, NY
- Swagelok Company, Solon, OH (TE)
- System One, Pittsburgh, PA (CO, CS, CC, CA, CE, DE, EP, E, EC, FP, FT, MN, MI, P, PS, PP, QA, RO, RC, RA, SI, SY, ST, TE, TA)
- ◆Teledyne Brown Engineering, Inc., Huntsville, AL (SI, SY, ST)
- TerranearPMC, LLC, Exton, PA (DE, E, RC)
- Tetra Tech Inc., Richland, WA (AU, CO, CD, CS, CC, CA, CH, CE, DC, DE, ES, EA, EP, E, EC, FT, LP, MN, MA, N, P, PP, QA, RD, RE, RC, RA, SE, SH, SI, SY, TA, WM, WT)
- The Delphi Groupe, Inc., Austin, TX (CM, CS, CC, CA, DC, DE, EP, E, FP, MA, PP, RD, RE, RM, RC, RA, SH, SI, TE, WM)
- Thermal Engineering International (TEi), Cerritos, CA
- Theseus Professional Services, LLC, Baltimore, MD (QA, TE)
- Timesoft, Long Beach, CA (CM, PE, PP, SY)
- TLG Services, LLC, (sub. of Entergy Corp.), Bridgewater, CT (DC, DE, EA, PP, RD, RE, WM)
- TRAD - RayXpert, Labège cedex, France (CD)
- Transco Products Inc., Streator, IL (FP)
- TransWare Enterprises Inc., St. Louis, MO (CS, CC, CE, DE, FT, PP, QA, RD, SH, SS)
- Trust Manufacturing, LLC, Euclid, OH (QA)
- TSSD Services, Inc., Sidney, ME (DC, DE, OD, PE, PP)
- Ultra Energy, (Weed Instrument), Round Rock, TX
- Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (CO, DE, MN, QA, RC)
- United Engineers & Constructors, Inc., (Sub. of Imperia Engineering Partners), Mount Laurel, NJ (FP, MN, P, QA)
- University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (CO, DC, DE, ES, E, P, RA, SE, WM, WT)
- Utilities Service Alliance (USA), Overland Park, KS (PS)
- UxX, LLC, Roswell, GA (CD, EA, PS)
- vgbe energy service GmbH, Essen, Germany (TE)
- Volian Enterprises, Inc., Murrysville, PA (CC, EP, MI, TE)
- Vysus Group, Houston, TX (RC, WM)
- Westinghouse Electric Co. LLC, Cranberry Township, PA (AC, C, CO, CD, CS, CC, CH, DC, DE, EP, E, EC, FT, MN, MA, MI, PE, P, PS, PP, QA, RD, RE, RC, RA, S, SE, SH, SS, SY, ST, TE, TA, WM, WT)
- ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (E, SE)
- Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (CO, CH, DC, DE, MN, S)
- Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (S)
- ◆WGM, Inc., Peekskill, NY (CS, DC, DE, E, FT, RD, RE, RC, SH, WM, WT)
- Women in Nuclear Canada, Toronto, Ontario, Canada (CM, PE, PP, TE)
- Wood, (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group), Grand Junction, CO (DC, DE, RD, RE, WM)
- WTM Valves and Services - Hammel Dahl, (Div. of Wright Technical Marketing), Lewisburg, PA (CD)

14300 Containers

- B Bulk
- CR Casks, Radwaste
- SF Casks, Spent-Fuel Shipping
- CS Casks, Spent-Fuel Storage
- CO Component
- DB Drum Breather Filters
- DL Drum Liners/Inserts
- D Drums
- GA Gamma Source Shipping
- GS Gamma Source Storage
- G Groups 1, 2 & 3 Containers (per IAEA)
- HI High-Integrity (HIC)
- LI Liners/Inserts, LSA Containers
- IA LSA Containers, IAEA
- LS LSA Containers, Strong-Tight
- OH On-Site Storage Containers, High-Level
- OL On-Site Storage Containers, Low-Level
- O Overpacks
- SS Soft-Sided/Flexible
- S Soil
- TA Type A Containers
- TB Type B Containers
- TC Type C Containers
- ◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (CO, D, OL, O, TA, TB)
- Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (LS, OL)
- Alphasource, Inc., Philadelphia, PA (DL)
- F.N. Anderson & Assoc., Forest, VA (SF, CS, TA, TB)
- AVANTech, LLC, Knoxville, TN (CR, CO, DL, G, HI, LI, IA, LS, OH, OL, O, TA)
- Babcock Services, Inc., Kennewick, WA (CR, CS, O)
- Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (D)
- Campoverde srl, Milano, Italy (GA)
- Carolina Fabricators, West Columbia, SC (B, CR, SF, CS, CO, DL, D, O)
- Central Research Laboratories, Red Wing, MN (DL)
- Coastal Network, Inc., Charlottesville, VA (D, LS)
- Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (LI)
- Container Products Corp., Wilmington, NC (G, LI, IA, LS, OH, OL, TA, TB, TC)
- Container Technologies Industries, LLC, Helenwood, TN (B, CR, CO, D, G, HI, LI, IA, LS, OH, OL, O, TA, TB, TC)
- Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (CR, CO, DB, DL, D, GA, GS, G, HI, LI, IA, LS, OH, OL, O, TA, TB, TC)
- Curtiss-Wright Nuclear Division, Brea, CA (SF)
- Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (SF)

- CYCLIFE, (Brand of EDF Group), Puteaux, France (CO)
- DuBose National Energy Services, Inc., Clinton, NC (B, CR, SF, CS, CO, D, GS, OL, O)
- Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (B, CR, DL, D, GA, GS, HI, LI, LS, OH, OL, O, TA, TB)
- E.S. Fox Limited, Niagara Falls, Ontario, Canada (B, OH, OL, O)
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (CO)
- Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (CR, CS, D)
- Energy Steel, Rochester Hills, MI (SF, CS, OH, OL, TA, TB)
- Energyen Corporation, (Sales Operation), Gunsan, Korea (The Republic of) (D)
- ◆EnergySolutions, Salt Lake City, UT (B, CR, SF, CS, CO, DL, D, GA, HI, LI, IA, LS, OH, OL, O, SS, S, TA, TB)
- Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain (CR, SF, CS, TB)
- FabOhio, Inc., Uhrichsville, OH (DL)
- Framatome Inc., (North American Headquarters), Lynchburg, VA (O)
- Frontier Technology Corp., Xenia, OH (TA)
- FuseRing Inc., London, Canada (CS)
- GE Hitachi Nuclear Energy, Wilmington, NC (SF, CS, GA, GS, OH, OL, O, TA, TB)
- General Plastics Mfg. Co., Tacoma, WA (DL, LI, TA, TB)
- Glidewell Specialties Foundry Co., Calera, AL (CR)
- GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (CR, SF, CS, DL, D, OH, OL)
- Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (DL, D, LS, O, TA)
- H. Butting GmbH & Co. KG, Wittlingen-Knesebeck, Germany (CR, SF, CS, CO, OH, OL)
- ◆Holtec International, Camden, NJ (CR, SF, CS, OH, OL, O, TA)
- Hopewell Designs, Inc., Alpharetta, GA (CR, GA, GS, OL, TA)
- ◆I.C.E. Service Group, Inc., Moon Township, PA (B, CR, CO, DB, DL, D, LI, IA, LS, O, SS, S, TA, TB)
- Joseph Oat Corp., Camden, NJ (CR, SF, CS, DL, D, GA, GS, G, HI, LI, IA, LS, OH, OL, O, TA, TB)
- Lancs Industries, Albuquerque, NM (DB, DL, SS)
- Landstar, Burlington, KY (D, IA)
- Leak Testing Specialists, Inc., Orlando, FL (TB)
- Major Tool & Machine, Indianapolis, IN (B, CR, SF, CS, CO, GA, GS, OH, OL, O, TB)
- MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (CR, SF, CS, D, GA, GS, G, OH, OL)
- Mohawk Safety, Manchester, CT (DB, DL, D, O)
- ◆NAC International Inc., Peachtree Corners, GA (B, CR, SF, CS, IA, LS, OH, OL, O, SS, TA, TB)
- ◆NAC LPT LLC, Mars, PA (B, LS, OL, TA)
- NAC Philotechnics, Ltd., Oak Ridge, TN (GA, GS)
- NAES Power Contractors, Inc., Cranberry Township, PA (CS)
- NFT, by Alpha Safety Group, Golden, CO (O, TB)
- Niagara Energy Products (NEP), Niagara Falls, Ontario, Canada (B, CR, SF, CS, CO, GA, GS, G, OH, OL, O, TA, TB)
- NSSI/Recovery Services Inc., Houston, TX (CR, D, GA, GS, OH, OL, O, TA)
- Nuclear Shielding Supplies & Service, Tucson, AZ (OH, OL)
- NuclearConsultants.com, Ann Arbor, MI (SF, CS, O)
- NuSource LLC, Alexandria, VA (CR, CO)
- Orano Federal Services, Charlotte, NC (CR, SF, CS, DL, D, OH, O, TA, TB, TC)
- Orano TN, Columbia, MD (CR, SF, CS, CO, OH, OL, O, TA, TB, TC)
- ◆Orano USA, Bethesda, MD (CR, SF, CS, D, OH, OL, O, TA, TB, TC)
- Pacific Development Services Inc., Carson City, NV (B, CR, SF, CS, DL, D, GA, G, IA, LS, OH, OL, O, TA, TB)
- ◆PacTec, Inc., Clinton, LA (B, DL, G, LI, IA, LS, OH, OL, O, SS, S, TA)
- ◆Petersen Inc., Ogden, UT (B, CR, SF, CS, LS, OH, OL, O, TA, TB)

See advertisement on cover 2

- Plant Decommissioning, Lake Villa, IL (CR, CO)
- Precision Custom Components, LLC, York, PA (CR, SF, CS, OH, O)
- Premier Technology, Inc., Blackfoot, ID (CR, SF, CS, TA, TB)
- PTP Spent Fuel Services, LLC, Grand Island, NY (CR, SF, CS, OH, OL)
- R&G Laboratories, Inc., Tampa, FL (DB)
- Radiation Protection Systems, (by Alpha Safety), Groton, CT (CR, GA)
- ◆Radiation Safety & Control Services, Inc., Seabrook, NH (GA, TA)
- Radium Inc., Waynesboro, VA (B, CO, SS)
- ◆Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (B, DL, LI, LS, OL, O, SS, TA)
- Rich Industries Inc., New Philadelphia, OH (DL)
- Robatel Technologies, LLC, Roanoke, VA (CR, SF, CS, CO, GA, GS, G, IA, LS, OL, TA, TB)
- Rousselet-Robatel, Pittsfield, MA (CR)

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In addition to the annual printed versions, the *Nuclear News* and *Radwaste Solutions* Buyers Guides are now combined into one online database under the Nuclear Newswire banner. This new database lists more than 600 worldwide companies cataloged under thousands of categories of products and services that power the nuclear field.

If your company was not included in this year's Buyers Guide or needs to be updated, go to www.ans.org/news/bg. Company updates can now be made year-round.



RSO, Inc., (Radiation Service Organization), Laurel, MD (DL, TA)
 Seafab Metals Co., (Div. of The Doe Run Co.), Casa Grande, AZ (CR, SF, CS, D, OH, OL, O)
 Sentry Equipment Corp., Oconomowoc, WI
 J. L. Shepherd & Assoc., San Fernando, CA (GA, GS, O, TA)
 Siempelkamp NIS, Alzenau, Germany (CR)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (CR, SF, CS)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (CS)
 Skolnik Industries, Chicago, IL (D, O, TA)
 ♦ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (B, CR, SF, CO, DL, D, LI, IA, LS, O, SS, S, TA, TB)
 Studsvik, Inc., Sandy Springs, GA (CR, LI, LS, S)
 ♦ **Teledyne Brown Engineering, Inc., Huntsville, AL** (B, CR, SF, CS, CO, DB, DL, D, GA, GS, G, HI, LI, IA, LS, OH, OL, O, SS, S, TA, TB)
 Transco Products Inc., Streator, IL (CR, OH, OL, TC)
 Turnkey Technical, Oliver Springs, TN (CR, SF)
 TW Metals - Nuclear Materials Solutions, Leesdale, PA (CR, SF, CS, OH, OL, O, TA, TB)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The)
 ♦ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (IA, LS)
 VTT Technical Research Centre of Finland, VTT, Finland (CR, SF, CS)
 ♦ Wagstaff Applied Technologies, Spokane, WA (B, CR, SF, CS, CO, DL, GA, GS, HI, LI, OH, OL, O)
 Waste Control Specialists LLC, Andrews, TX (B, CR)
 Waste Control Systems, Inc., Phoenix, MD (DL, D, HI, IA, LS, O, TA)

Westinghouse Electric Co. LLC, Cranberry Township, PA (CO)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (SF, CS)
 ♦ WMG, Inc., Peekskill, NY (CO, LI, IA, LS, OH, OL, TA, TB)

17650 Corrosion Inhibitors

Arkema, Inc., (formerly ATOFINA Chemicals, Inc.), King of Prussia, PA
 Bakelite Synthetics, Atlanta, GA
 Cortec Corp., Saint Paul, MN
 Dominion Engineering, Inc., Reston, VA
 Fuel Tank Maintenance Co., LLC, Cookeville, TN
 Hexion Inc., Columbus, OH
 Lambda Technologies, Cincinnati, OH
 SIFCO Applied Surface Concepts, Independence, OH
 Westlake Epoxy Inc., a Westlake Company, Stafford, TX

17950 Counters, Detectors, Radiation

A Alpha
 B Beta
 G Gamma
 N Neutron
 C Combinations of Above
 DT Desk-Top
 ER Dose Rate, Emergency Range
 FS Floor-Standing
 FL Flow
 GM Geiger-Mueller Type
 G Germanium Detectors
 IC Ion Chamber Type
 IS Ion-Implanted Silicon Detectors

LB Low-Background Alpha/Beta
 M Modular
 P Portable
 PC Proportional Counters
 SL Scintillation Counters, Liquid
 SR Scintillation Counters, Radioimmunoassay
 ST Scintillation Counters, Solid-State
 SS Solid-State Semiconductor Type
 WT Wipe Test Counters
 X X-ray
 Advetage Solutions, El Segundo, CA (A, B, G, N, C, DT, ER, FS, FL, GM, G, IC, IS, LB, M, P, PC, SL, SR, ST, SS, X)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (C)
 Aurum Technologies, Blackfoot, ID (C, ER, GM, P)
 Bevelacqua Resources, Owens Cross Roads, AL (A, B, G, N, C, DT, ER, FS, FL, GM, G, IC, IS, LB, M, P, PC, SL, SR, ST, SS, WT, X)
 Bot Engineering Ltd, Campbellville, Ontario, Canada (A, B, G, N, C, ER, FS, FL, IC, M, P, PC, SL, ST, SS, X)
 Centronic Ltd., Surrey, United Kingdom (A, B, G, N, C, ER, GM, IC, IS, LB, PC, SS, X)
 ♦ EnergySolutions, Salt Lake City, UT (A, B, G, N, C, ER, GM, IC, P, PC, SL, SR)
 ENVINET GmbH, Munich/Haar, Germany (G, ER, GM, M, P, PC, ST)
 Environmental Restoration Group, Inc., Albuquerque, NM (A, B, G, C, DT, ER, FS, GM, IC, P, PC, WT)
 Gamma Reality Inc., Richmond, CA (G, N, C, ER, M, P, ST, SS)
 GE Hitachi Nuclear Energy, Wilmington, NC (B, G, N, IC, PC)
 General Atomics Electromagnetic Systems, San Diego, CA (B, G, ER, GM, IC, P, PC, SL, ST, SS)

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GLSEQ, LLC, Huntsville, AL (A, B, G, N, C, LB, P, SS)
 H3D, Inc., Ann Arbor, MI (G, N, C, DT, M, P, SS)
 Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (A, B, G, N, C, GM, IC, P, PC, ST, SS)
 HI-Q Environmental Products Company, Inc., San Diego, CA (A, B, G, N, C, DT, ER, FS, FL, GM, IC, IS, LB, M, P, SR, ST, WT)
 Interface Analysis Centre, University of Bristol, Bristol, United Kingdom (G)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (A, B, N, ST)
 James Fisher Technologies, Loveland, CO (A, B, G, N, C, DT, ER, FS, FL, GM, G, LB, M, P, ST)
 LabLogic Systems, Inc., Tampa, FL (A, B, G, ER, GM, SL)
 LND, Inc., Oceanside, NY (A, B, G, N, C, DT, ER, FS, FL, GM, IC, M, P, PC, WT, X)
 Ludlum Measurements, Inc., Sweetwater, TX (A, B, G, N, GM, IC, P, PC, ST)
 Mazur Instruments, Castle Rock, CO (A, B, G, C, ER, GM, X)
 Mirion Technologies (Canberra) Inc., Meriden, CT (A, B, G, N, C, DT, ER, FS, FL, GM, G, IC, IS, LB, M, P, PC, ST, SS, WT, X)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (G, N, C, IC, PC)
 Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany (B, G, N, C, ER, GM, IC, M, PC, ST)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (G, N, C, IC, PC)
 Mohawk Safety, Manchester, CT (WT)
 NETCo, Windsor, ME (X)
 ORTEC, Oak Ridge, TN (A, G, N, C, DT, ER, FS, GM, G, IS, LB, M, P, PC, ST, SS)
 OTEK Corp., Tucson, AZ (FL, PC, SS)
 Overhoff Technology Corp., (A Div. of US Nuclear Corp.), Milford, OH (A, B, G, IC, PC, SR, WT)
 Pajarito Scientific Corp., Santa Fe, NM (A, B, G, N, C, FS, G, M, P, PC)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (G, N, C, IC, PC)
See advertisement on page 1
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (A, B, G, C, GM, LB, P, WT)
 PHDS Co., Knoxville, TN (G, M, P, SS)
 Protean Instrument Corp., Knoxville, TN (A, B, LB, PC, WT)
 Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada (A, P, WT)
 RadComm Systems, Oakville, Ontario, Canada (G, N, C)
 ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (A, B, G, N, C, ER, FS, GM, G, IC, IS, LB, M, P, PC, SL, SR, ST, SS, WT, X)
 ReNuke, Oak Ridge, TN (A, B, G, N, C, DT, GM, G, IC, LB, M, P, PC, ST)
 Rexon Components, Inc., Beachwood, OH (A, B, G, N, C, DT, ER, FS, GM, IC, LB, M, P, PC, SR, ST, SS, WT, X)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (A, B, G, C, GM, IC, P)
 S.E. International, Inc., Summertown, TN (A, B, G, C, DT, ER, GM, P, ST, WT, X)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (A, B, G, N, C, DT, ER, FS, FL, GM, G, IC, LB, M, P, PC, SL, SR, ST, SS, WT, X)
 THERMOCOAX Inc., Alpharetta, GA (G, N)
 Ultra Energy, (Weed Instrument), Round Rock, TX (N)
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (A, B, G, C)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (A, B, G, N, C, DT, ER, FS, FL, GM, IC, LB, M, P, PC, SL, SR, ST, SS, WT, X)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (A, B, G, N, C, GM, IC, PC)

◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (A, B, G, N, GM, G)
 ◆ WMG, Inc., Peekskill, NY (A, B, G, C, DT, LB, M, P, SS)

18590 Crane Safety Systems

AT Anti-Two-Blocking (Conversion)
 SF Single-Failure-Proof
 American Crane & Equipment Corp., Douglassville, PA (AT, SF)
 Enercon Services, Inc., Kennesaw, GA (SF)
 PAR Systems, LLC, Saint Paul, MN (AT, SF)
 REEL COH Inc., Canada (AT, SF)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (AT, SF)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (AT, SF)

18600 Cranes & Hoists

CS Control System Upgrade/Replacement
 CO Controls, Radio
 CC Cranes, Conventional, to 300-Ton Cap.
 CR Cranes, Conventional, to 500-Ton Cap.
 CH Cranes, Heavy-Lift, to 1000-Ton Cap.
 CX Cranes, Heavy-Lift, to 2500-Ton Cap.
 DG Double-Girder, Top-Riding
 E Electric
 FB Fuel Building Cranes (Cask Handling)
 G Gantry
 H Hand Chain-Operated
 LM Lug-Mounted Hoists
 MH Monorail Hoists
 RS Radwaste Storage Facility
 SG Semi-Gantry
 SF Single-Failure-Proof
 ST Single-Girder, Top-Riding
 SU Single-Girder, Under-Riding
 SP Spent Fuel Pool Cranes

American Crane & Equipment Corp., Douglassville, PA (CS, CO, CC, CR, CH, CX, DG, E, FB, G, H, LM, MH, RS, SG, SF, ST, SU, SP)
 ◆ American DND Inc., Grand Island, NY (CR, CX, RS)
 Barnhart Nuclear Services, Fairhope, AL (CR, CH, CX, G)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (FB, RS, SF, SP)
 Curtiss-Wright Nuclear Division, Brea, CA (E, H)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (E, H)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (RS)
 Enercon Services, Inc., Kennesaw, GA (CS, FB, SF, SP)
 Engineered Rigging, Russellville, AR (CC, CR, CH)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CS, FB, SP)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (CO)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (CS, CO, CC, CR, CH, CX, DG, E, FB, G, H, LM, MH, RS, SG, SF, ST, SU, SP)
 PAR Systems, LLC, Saint Paul, MN (CS, CO, CC, CR, CH, CX, DG, E, FB, G, MH, RS, SG, SF, ST, SU, SP)
 PTP Spent Fuel Services, LLC, Grand Island, NY (SP)
 REEL COH Inc., Canada (CS, CO, CC, CR, CH, CX, DG, E, FB, G, H, LM, MH, RS, SG, SF, ST, SU, SP)
 Schulz Electric, Timken Power Systems, East Haven, CT (CS, CO, CC, DG, E, G, H, LM, MH, RS, SG, SF, ST, SU, SP)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (CC, CR, CH, CX, DG, FB, G, H, LM, MH, RS, SG, SF, ST, SU, SP)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (CC, CR, CH, CX)

Westinghouse Electric Co. LLC, Cranberry Township, PA (CS, FB, SP)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CS, CC, CR, CH, CX, E)

19450 Dampers

AF Air-Flow Control
 B Backdraft
 F Fire
 HE High-Energy Line Break
 I Isolation
 IA Isolation, Bubble-tight
 T Tornado Protection
 V Volume
 Camfil USA, Inc., Washington, NC (I, IA)
 Carolina Fabricators, West Columbia, SC (AF, B, I, V)
 Curtiss-Wright Nuclear Division, Brea, CA (AF, B, F, HE, I, IA, T, V)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (AF, B, F, HE, I, IA, T, V)
 ECU Corporation, Cincinnati, OH (AF, B, HE, I, IA, T, V)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon, a Berkshire Hathaway company), Batavia, OH (AF, B, F, I, IA, T, V)
 Energy Steel, Rochester Hills, MI (AF, HE, V)
 The New York Blower Company, (NYB), Willowbrook, IL (AF)
 NUCON International, Inc., Columbus, OH (IA)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (AF)
 Piping Technology & Products, Inc., Houston, TX (AF, B, F, HE, I, IA, T)
 PMT Nuclear, Woodridge, IL (AF, B, F, HE, I, IA, T, V)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (AF, I, IA)
 River Technologies, LLC, Forest, VA (AF)
 Senior Flexonics Pathway, New Braunfels, TX (AF, B, F, HE, I, IA, T)
 ◆ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (AF, B, F, HE, I, IA, T, V)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (AF, B, F, HE, I, IA, T, V)

19700 Data Acquisition/Handling Systems

A Analog
 D Digital
 Acromag Inc., Wixom, MI (A, D)
 AVANTech, LLC, Knoxville, TN (A, D)
 Curtiss-Wright Nuclear Division, Brea, CA (A, D)
 Curtiss-Wright Nuclear Division, Sciencetech, Idaho Falls, ID (A, D)
 Eddyfi Technologies, Quebec City, Canada (D)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (D)
 Exitech Corp., Maryville, TN (D)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, D)
 GE Hitachi Nuclear Energy, Wilmington, NC (D)
 General Atomics Electromagnetic Systems, San Diego, CA (A, D)
 Hoskin Scientific, Oakville, Canada (A, D)
 Knowledge Relay, Cypress, CA (A)
 Mirion Technologies (Canberra) Inc., Meriden, CT (A, D)
 Numerical Advisory Solutions, LLC, Cary, NC (A, D)
 ORTEC, Oak Ridge, TN (D)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (A)
 Radics LLC, Kropyvnytskyi, Ukraine (D)
 RKVST, Santa Clara, CA (D)
 Southwest Research Institute, San Antonio, TX (A, D)
 Taurus Telesys Inc., Newport News, VA (D)
 Timesoft, Long Beach, CA (D)

Ultra Energy, (Weed Instrument), Round Rock, TX (A, D)

20000 Data Readout Devices, Terminals & Accessories

- O Oscillographic
- PD Plotters, Digital
- PX Plotters, X-Y
- P Printers
- RC Recording Charts
- RP Recording Pens, Disposable
- SC Strip Chart Recorders
- V Video Display

Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (V)
 GE Hitachi Nuclear Energy, Wilmington, NC (O, PD, PX)
 GLSEQ, LLC, Huntsville, AL (V)
 Mirion Technologies (Canberra) Inc., Meriden, CT (PD, P, V)

20300 Decommissioning Services

- DC Decontamination
- DM Demolition
- DS Dismantling
- E Engineering Support Services
- RS Radiological Surveys
- SS SAFSTOR
- TI Transportation, Intermodal
- TR Transportation, Rail

3 Bears Technical Services, LLC, Hixson, TN (DC, E)
 Accelerated Decommissioning Partners - ADP, Dallas, TX (DC, DM, DS, E, RS, TR)

Advanced Consulting Group, Inc., Chicago, IL (DS, E)
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (DC, DM, RS)
 Advetage Solutions, El Segundo, CA (RS)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (DC, TI, TR)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (DM, DS, RS)
 American DND Engineering, PC, Ellicottville, NY (DM, E)

◆ **American DND Inc., Grand Island, NY (DC, DM, DS, E, TI, TR)**

See advertisement on page 7

American Integrated Services, Inc., Anaheim, CA (DC, DM, DS, TI)
 ANTECH Corp., Arvada, CO (RS)
 ◆ Argonne National Laboratory, (EOF Div.), Argonne, IL (E)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (E)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (E)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (E)
 AVANTech, LLC, Knoxville, TN (DC, E)
 Babcock Services, Inc., Kennewick, WA (DC, DM, DS, E, RS, SS)
 ◆ Banda Group International, LLC, Mesa, AZ (DC, DM, E, RS)
 Barnhart Nuclear Services, Fairhope, AL (DS, TI, TR)

Bechtel, (Bechtel Power), (Bechtel Nuclear, Security & Environmental), (Bechtel National), Reston, VA (DC, DS, E)
 Bevelacqua Resources, Owens Cross Roads, AL (DC, E, RS)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (DC, DM, DS, E, RS)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (DC, DS, E)
 Black & Veatch, Overland Park, KS (E)
 Bluegrass Concrete Cutting, Inc., Greenville, AL (DC, DM, DS)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (E)
 ◆ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (DS)
 ◆ Burns & McDonnell, Kansas City, MO (E, RS)
 Carignan & Associates LLC, Chattanooga, TN (E)
 Central Research Laboratories, Red Wing, MN (DC)
 Centronic Ltd., Surrey, United Kingdom (RS)
 Chesapeake Nuclear Services, Inc., Annapolis, MD (RS)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (E, TI, TR)
 CS-2 Inc., Grand Island, NY (DC, DM, DS, E, TI, TR)
 Cutting Technologies (CTI), Gloucester City, NJ (DS)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (DC, DM, TI, TR)
 Day & Zimmermann, Philadelphia, PA (DC)
 Dominion Engineering, Inc., Reston, VA (DC, E)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (DC, DS, E, SS)
 DW James Consulting, North Oaks, MN (E)

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E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (DS, E)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (DC, DS, E, RS, SS)
 Encorus Group, Springville, NY (DC, DM, DS)
 Enercon Services, Inc., Kennesaw, GA (DC, DS, E, RS, SS, TI, TR)
 Energy Steel, Rochester Hills, MI (E)

◆ **EnergySolutions, Salt Lake City, UT (DC, DM, DS, E, RS, SS, TI, TR)**

See advertisement on pages 4-5

Environmental Restoration Group, Inc., Albuquerque, NM (RS)
 EXCEL Services Corporation, Rockville, MD (E)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (DC, DM, DS, E)
 GE Hitachi Nuclear Energy, Wilmington, NC (DS, E)
 GEI Consultants, Inc., Woburn, MA (E)
 GNS Gesellschaft für Nuklear-Service mbH, Essen, Germany (DC, DS)
 H3D, Inc., Ann Arbor, MI (RS)
 Hennigan Engineering LLC, Hingham, MA (DC)
 Hopewell Designs, Inc., Alpharetta, GA (DS)

◆ **I.C.E. Service Group, Inc., Moon Township, PA (E, TI, TR)**

Imperia Engineering Partners LLC, Milford, MA (E)
 In-Place Machining Company, LLC, Blue Ash, OH (DS)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (DC)
 Jacobs, (CH2M HILL Nuclear Business Group), (CH2M HILL International Nuclear Services, Ltd.), (CH2M HILL Constructors, Inc.), (Jacobs Engineering), (Jacobs), Dallas, TX (DC, DS, E)

James Fisher Technologies, Loveland, CO (DC, DM, DS, E, RS)
 Jensen Hughes, Baltimore, MD (E)
 KCI Engineering Consultants, Downers Grove, IL (E)
 Kinectrics Inc., Toronto, Ontario, Canada (DC, E, RS)
 LATA, Albuquerque, NM (DC, DM, DS, E)
 Longenecker & Associates, Inc., Las Vegas, NV (E)
 Manafort Brothers Inc., Plainville, CT (DC, DM)
 Mega-Tech Services, LLC, Cooksburg, PA (DC, DS, E)

Meridian Services Group, (formerly Work Management, Inc., and High Bridge Associates, Inc.), Chattanooga, TN (E)
 Merrick & Company, Greenwood Village, CO (E)
 Mirion Technologies (Canberra) Inc., Meriden, CT (DC)

◆ **NAC International Inc., Peachtree Corners, GA (E, TI, TR)**

◆ **NAC LPT LLC, Mars, PA (TI, TR)**

NAC Philotechnics, Ltd., Oak Ridge, TN (DC, DM, DS, E, RS, SS, TI, TR)
 NAES Power Contractors, Inc., Cranberry Township, PA (DS)
 Navarro, Oak Ridge, TN (DC, DS, E, RS)
 NSSI/Recovery Services Inc., Houston, TX (DC, DS)
 Nuclear-21, Waasmunster, Belgium (DC)
 Numerical Advisory Solutions, LLC, Cary, NC (E)
 Orano Decommissioning Services, Hudson, MA (DC, DM, DS, E, RS, TR)
 Orano Federal Services, Charlotte, NC (DC, DM, DS, E, RS, SS, TI, TR)
 Orano TN, Columbia, MD (TI, TR)

◆ **Orano USA, Bethesda, MD (DC, DS, E, RS, TI, TR)**
 Pajarito Scientific Corp., Santa Fe, NM (DC, RS)
 PAR Systems, LLC, Saint Paul, MN (E)

Paschal Solutions, Inc., Knoxville, TN (E)
 PD Design Group, LLC, Lake Villa, IL (DS, E)
 Perkins Motor Transport, Inc., (Perkins Specialized Transportation Contracting), (Perkins STC), Becker, MN (TI)

Perma-Fix Environmental Services, Inc., Oak Ridge, TN (DM)

PHDS Co., Knoxville, TN (RS)
 PROTEM USA, Evergreen, CO (DS)

Proxtronic, Dosimetry LLC, Alexandria, VA (RS)
 PTP Spent Fuel Services, LLC, Grand Island, NY (DC, DM, DS, E, TI, TR)

Radiation Protection Systems, (by Alpha Safety), Groton, CT (E)

◆ **Radiation Safety & Control Services, Inc., Seabrook, NH (DC, DS, E, RS, SS)**

See advertisement on page 11

Red Wolf Associates, Cary, NC (E)
 ReNuke, Oak Ridge, TN (DC, DS, E, RS, SS)

RETAQS, Inc., Blue Bell, PA (E)
 Robatel Technologies, LLC, Roanoke, VA (E)

Rogante Engineering Office, Civitanova Marche, Italy (E)

RSO, Inc., (Radiation Service Organization), Laurel, MD (DC)

S&K Logistics Services, Byron, GA (E)
 Sargent & Lundy, Chicago, IL (E)

Shipsrock Consulting, LLC, Westport, MA (SS)
 Siempelkamp NIS, Alzenau, Germany (DC, DS, E)

Simpson Gumpertz & Heger (SGH), Chicago, IL (E)
 Sonic Systems International, LLC, Houston, TX (E)

Standish Technologies International, Export, PA (E)

◆ **Strategic Packaging Systems, (I.C.E. Packaging Company), LLC, Madisonville, TN (TI, TR)**

◆ **Teledyne Brown Engineering, Inc., Huntsville, AL (DS, E)**

Combined Capabilities for Complete Project Life-Cycle Waste Management Support

NAC LPT LLC.

NAC LPT is an asset-based logistics, packaging, and technical services company supporting the environmental remediation, waste management, and hazardous materials industries. NAC LPT provides rail, truck, and marine transportation, packaging products, IP-1 intermodal containers, lidded IP-1 gondola railcars, ABC cars, and technical services to manage, contain, and ship hazardous materials safely and efficiently.

NAC Philotechnics, Ltd.

NAC Philotechnics is a full-scope radiological services company providing mixed and radioactive waste processing and brokerage, MARSSIM D&D, facility/site release for unrestricted use, license termination, field services, and health physics support; including, characterization, shipping, and disposal support. NAC Philotechnics maintains two separate mobile Service Provider Radioactive Materials Licenses and operates two Radioactive Materials Licensed facilities in Oak Ridge, TN and San Diego, CA.

The NAC family of companies provide a one-stop, custom-tailored, option to meet your waste specific requirements, from sampling and characterization to handling, packaging, logistics, and transportation.



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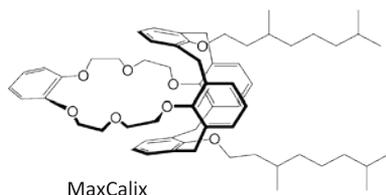
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- Further recycling of spent radioactive fuel is an excellent option for minimizing nuclear waste.

Marshallton Research Laboratories

manufactures specialty chemicals for remediation and recycling of radioactive isotopes in the nuclear energy industry.



CESIUM REMOVAL

Calixarene based ligands e.g. MaxCalix are key components for the selective removal of cesium from radioactive waste streams.

ACTINIDE PARTITIONING AGENTS

Diglycoldiamides, dioxaoctanediamides, alkyl phosphonates and diphosphonates can be used to separate actinides, a key step in recycling spent fuel.

ANALYTICAL REAGENTS

At Marshallton Research Laboratories, we have decades of experience in synthesis, production and formulation of ligand systems for nuclear applications.

20300 Decommissioning Services

- TerranearPMC, LLC, Exton, PA (DC, DM, DS, E, RS)
 Tetra Tech Inc., Richland, WA (DC, DM, DS, E, RS)
 The Delphi Groupe, Inc., Austin, TX (DC)
 TLG Services, LLC, (sub. of Entergy Corp.), Bridgewater, CT (DC, DM, DS, E, RS, SS)
 TransWare Enterprises Inc., St. Louis, MO (E)
 TSSD Services, Inc., Sidney, ME (E)
- ◆ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (DC, DS)
 - Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (DC, DS, E)
 - ◆ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (DC, DS)
 - Veolia Nuclear Solutions - Federal Services, Piketon, OH (DC, DM, DS, E, RS, TI, TR)
 - VTT Technical Research Centre of Finland, VTT, Finland (DS, E)
 - Waste Control Specialists LLC, Andrews, TX (TI, TR)
 - Westinghouse Electric Co. LLC, Cranberry Township, PA (DC, DM, DS, E, RS, SS, TI, TR)
 - Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (DC, DM, DS)
 - ◆ WMG, Inc., Peekskill, NY (DC, DS, E, RS)
 - Wood, (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group), Grand Junction, CO (DC, DM, DS, E, RS)

20350 Decontamination Chemicals, Equipment & Services

- AC Abrasive Cleaning
 CD Chemical Decontamination
 C Chemicals
 CS Concrete Scabbling
 CR Cryogenic Cleaning (CO2)
 D Drainline
 EP Electropolishing
 E Equipment
 HS Hand Scrubbing
 HF High-Pressure Freon
 HW High-Pressure Water
 IB Ice Blasting (Wet Ice)
 LD Laser Decontamination
 PS Plugs & Seals
 S Services
 SW Soil Washing
 SC Strippable Coatings
 UW Ultra-High-Pressure Water
 U Ultrasonics
 VB Vacuum Blasting, Abrasive
 VF Vibratory Finishing
- Advantage Solutions, El Segundo, CA (CD)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (CD, S)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (AC, CS, E, HW, LD, UW)
 - ◆ American DND Inc., Grand Island, NY (CS, HS, S, UW)
 - American Integrated Services, Inc., Anaheim, CA (AC, CS)
 - Arkema, Inc., (formerly ATOFINA Chemicals, Inc.), King of Prussia, PA (C)
 - Babcock Services, Inc., Kennewick, WA (AC, CD, C, CS, CR, E, HS, HW, IB, LD, S, UW)
 - BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (AC, CD, CS, D, E, HS, HW, S, SC, UW, VB)
 - Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (CD, EP)
 - ◆ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (CS)
 - Coastal Network, Inc., Charlottesville, VA (C, SC)
 - CYCLIFE, (Brand of EDF Group), Puteaux, France (AC, C)
 - Desco Mfg. Co., Inc., Rancho Santa Margarita, CA (AC, CS, E, HS)
 - Dominion Engineering, Inc., Reston, VA (CD, U)
 - ◆ EnergySolutions, Salt Lake City, UT (AC, CD, CS, HW, S, SW, UW, VB)
 - FEVDI Nuclear Decontamination, Corbas, France (CD, C, SC)
 - Framatome Inc., (North American Headquarters), Lynchburg, VA (AC, CD, HS, HW, S, SC, UW, VB)
 - Fuel Tank Maintenance Co., LLC, Cookeville, TN (AC, CD, C, CS, CR, HS, HW, S, SC, UW)
 - GE Hitachi Nuclear Energy, Wilmington, NC (S)
 - Geovariances, Avon, France (S)
 - GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (CD, E, S)
 - Government Scientific Source, Reston, VA (C)
 - Heat Exchanger Products Corp. (HEPCO), Hingham, MA (PS)
 - Hennigan Engineering LLC, Hingham, MA (HW, UW)
 - James Fisher Technologies, Loveland, CO (AC, CS, E, HW, VB)
 - Kinectrics Inc., Toronto, Ontario, Canada (CD, C, S)
 - M2 Polymer Technologies, Inc., West Dundee, IL (C)
 - ◆ Marshallton Research Laboratories, Inc., King, NC (C)
 - Mega-Tech Services, LLC, Cooksburg, PA (E)
 - Miller Pipeline, Indianapolis, IN (PS)
 - Mirion Technologies (Canberra) Inc., Meriden, CT (S)
 - NAC Philotechnics, Ltd., Oak Ridge, TN (S)
 - New Millennium Nuclear Technologies International, Lakewood, CO (CS)
 - North Wind Group, Idaho Falls, ID (CD)
 - NSSI/Recovery Services Inc., Houston, TX (CD, S)
 - Nuclear-21, Waasmunster, Belgium (AC, CD, CR, EP, E, LD, S, U)
 - ◆ Orano USA, Bethesda, MD (S)
 - PAR Systems, LLC, Saint Paul, MN (E, HW, LD, UW)
 - Perma-Fix Environmental Services, Inc., Oak Ridge, TN (S, SW)
 - Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (PS)
 - Radiological Solutions Inc., Rockdale, IL (EP)
 - Rexon Components, Inc., Beachwood, OH (C)
 - River Technologies, LLC, Forest, VA (E, HW, VB)
 - RSO, Inc., (Radiation Service Organization), Laurel, MD (S)
 - Schulz Electric, Timken Power Systems, East Haven, CT (CR, HW, S)
 - ◆ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (S)
 - Tetra Tech Inc., Richland, WA (AC, CD, CS, E, S)
 - The Delphi Groupe, Inc., Austin, TX (S)
 - Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (AC, CS, E, HS, HW, IB, S, UW)
 - UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (CD, SC, U)
 - ◆ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (AC, CR, E, HS, HW, S, VB)
 - Veolia Nuclear Solutions - Federal Services, Piketon, OH (CD, HW, LD)
 - ◆ Wagstaff Applied Technologies, Spokane, WA (CR)
 - Westinghouse Electric Co. LLC, Cranberry Township, PA (AC, CD, C, CS, D, E, HS, HW, S, SC, UW, U, VB)
 - Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (AC, CD, CS, HS, HW, S, SC, VB)
 - ◆ WMG, Inc., Peekskill, NY (S)

20700 Demolition & Dismantlement

- American DND Engineering, PC, Ellicottville, NY
- ◆ American DND Inc., Grand Island, NY
 - American Integrated Services, Inc., Anaheim, CA
 - Babcock Services, Inc., Kennewick, WA
 - Bluegrass Concrete Cutting, Inc., Greenville, AL
 - Campoverde srl, Milano, Italy
 - CS-2 Inc., Grand Island, NY
 - CYCLIFE, (Brand of EDF Group), Puteaux, France
 - In-Place Machining Company, LLC, Blue Ash, OH

Jacobs, (CH2M HILL Nuclear Business Group), (CH2M HILL International Nuclear Services, Ltd.), (CH2M HILL Constructors, Inc.), (Jacobs Engineering), (Jacobs), Dallas, TX
 James Fisher Technologies, Loveland, CO
 LATA, Albuquerque, NM
 Manafort Brothers Inc., Plainville, CT
 PAR Systems, LLC, Saint Paul, MN
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN
 PTP Spent Fuel Services, LLC, Grand Island, NY
 Shipsrock Consulting, LLC, Westport, MA
 Siempelkamp NIS, Alzenau, Germany
 Simpson Gumpertz & Heger (SGH), Chicago, IL
 Veolia Nuclear Solutions - Federal Services, Piketon, OH
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA

US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA

◆ Radiation Safety & Control Services, Inc., Seabrook, NH
 Westinghouse Electric Co. LLC, Cranberry Township, PA

21270 Detector Heads, Sold Separately

BF BF3 Neutron Counters
 GM Geiger-Mueller Tubes/Probes
 HN He3 Neutron Counters
 IC Ionization Chambers
 PM Photomultiplier Tubes
 PC Proportional Counters
 SP Self-Powered Type
 SL Scintillation Counters, Liquid
 ST Scintillation Counters, Solid-State
 SS Solid-State Semiconductor Type

Centronic Ltd., Surrey, United Kingdom (BF, GM, HN, IC, PC, SS)
 ENVINET GmbH, Munich/Haar, Germany (GM, PC, SP, ST)
 GE Hitachi Nuclear Energy, Wilmington, NC (HN, IC, PC)
 Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (BF, GM, HN, IC, PC, ST)
 HI-Q Environmental Products Company, Inc., San Diego, CA (GM, IC, PM, ST, SS)
 LND, Inc., Oceanside, NY (BF, GM, HN, IC, PC, SL, ST)
 Ludlum Measurements, Inc., Sweetwater, TX (ST)
 Mirion Technologies (Canberra) Inc., Meriden, CT (BF, GM, HN, PC, ST, SS)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (BF, IC, PC, SP)
 Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany (BF, GM, HN, IC, PC, SP, ST)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (BF, GM, IC, PC, SP)
 ORTEC, Oak Ridge, TN (PM, ST, SS)
 Overhoff Technology Corp., (A Div. of US Nuclear Corp.), Milford, OH (IC)

◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (BF, IC, PC)
 PHDS Co., Knoxville, TN (SS)
 Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada (PM, ST)
 ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (BF, GM, HN, IC, PM, PC, SP, SL, ST, SS)
 Rexon Components, Inc., Beachwood, OH (GM, IC, PM, PC, SL, ST)
 Technology for Energy Corp., Knoxville, TN (PC)
 ◆ Thermo Scientific - CIDTEC Cameras & Imagers, (Part of Thermo Fisher Scientific), Liverpool, NY (SS)
 THERMOCOAX Inc., Alpharetta, GA (SP)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (BF, GM, HN, IC, PM, PC, SP, SL, ST, SS)

21300 Detectors, Accelerator Beam

Centronic Ltd., Surrey, United Kingdom
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA

21310 Detectors, Aerosol/Particulate

Centronic Ltd., Surrey, United Kingdom
 ENVINET GmbH, Munich/Haar, Germany
 Mirion Technologies (Canberra) Inc., Meriden, CT
 Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA
 NUCON International, Inc., Columbus, OH

21320 Detectors, Air Bubble (In Liquid)

Framatome Inc., (North American Headquarters), Lynchburg, VA

21370 Detectors, Explosives

H Hand-Held
 W Walk-Through
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (H)
 GLSEQ, LLC, Huntsville, AL (H)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (H)
 NETCo, Windsor, ME (H, W)

21400 Detectors, Leak

A Acoustic
 B Bubble Test
 EC Electron Capture (SF/6)
 G Gas
 HE HEPA Filter
 IL Integrated Leak Rate Testing
 MS Mass Spectrometer (He)
 PC Pressure Change
 ASI Marine, Orchard Park, NY (G, PC)
 Camfil USA, Inc., Washington, NC (HE)
 Centronic Ltd., Surrey, United Kingdom (MS)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (B, G, IL, MS)
 Curtiss-Wright Nuclear Division, Brea, CA (HE)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (HE)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, G, IL, MS, PC)
 GE Hitachi Nuclear Energy, Wilmington, NC (A, B, EC, G, MS, PC)
 LUDECA, Inc., Doral, FL (A, G, PC)
 NUCON International, Inc., Columbus, OH (G, HE, PC)
 Pajarito Scientific Corp., Santa Fe, NM (HE)
 Swagelok Company, Solon, OH (B)

22200 Detectors, Valve Position

Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX
 Technology for Energy Corp., Knoxville, TN
 Westinghouse Electric Co. LLC, Cranberry Township, PA

22410 Dewatering Systems & Supplies

AVANTech, LLC, Knoxville, TN
 Babcock Services, Inc., Kennewick, WA
 ◆ EnergySolutions, Salt Lake City, UT
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany
 Komline, Peapack, NJ
 North Wind Group, Idaho Falls, ID
 ◆ PacTec, Inc., Clinton, LA

22430 Diaphragms, Storage Tank

Corrosion Control Services, Inc., Davenport, IA
 Fuel Tank Maintenance Co., LLC, Cookeville, TN
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

22700 Diving Services

CB Cutting/Burning
 D Decontamination
 EI Equipment Installation/Realignment
 G Grouting
 I Inspection
 M Maintenance
 MJ Metals Joining (Other Than Welding)
 WD Welding, Dry Box
 WW Welding, Wet
 ◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (CB, D, EI, G, I, M, MJ, WD, WW)
 ASI Marine, Orchard Park, NY (CB, D, EI, G, I, M, MJ, WD, WW)
 AVANTech, LLC, Knoxville, TN (D)
 Constellation ClearSight, De Pere, WI (I)
 Cutting Technologies (CTI), Gloucester City, NJ (CB, G)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (CB, D, I, M)
 GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (CB, D, EI, G)
 Integra Services Technologies Inc., Pasadena, TX (CB, EI, M)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (D)
 PROTEM USA, Evergreen, CO (CB, M, WD)
 ◆ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (CB, D, EI, G, I, M, MJ, WD, WW)

See advertisement on cover 4
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (CB, D, EI, G, I, M, MJ, WD, WW)

24080 Drum Locking Devices

Fram Safety Products, Inc., Nashville, TN

24170 Dryers, Wet Solids

Aggreko Ltd., Houston, TX
 AVANTech, LLC, Knoxville, TN
 Carolina Fabricators, West Columbia, SC
 Komline, Peapack, NJ
 Rousselet-Robatel, Pittsfield, MA

25000 Electronic Instrumentation & Supplies

Acromag Inc., Wixom, MI
 Aurum Technologies, Blackfoot, ID
 Automation Products, Inc., (Dynatrol Div.), Houston, TX
 Bot Engineering Ltd, Campbellville, Ontario, Canada
 Centronic Ltd., Surrey, United Kingdom
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
 FCI-Fluid Components International, San Marcos, CA
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 GE Hitachi Nuclear Energy, Wilmington, NC
 General Atomics Electromagnetic Systems, San Diego, CA
 LND, Inc., Oceanside, NY
 Mirion Technologies (Canberra) Inc., Meriden, CT
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY

Mirion Technologies, Inc., (Sensing Systems Div.),
Atlanta, GA
NUCON International, Inc., Columbus, OH
ORTEC, Oak Ridge, TN
OTEK Corp., Tucson, AZ

- ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX
- Rosemount Nuclear Instruments, Inc., Chanhassen, MN
- Westinghouse Electric Co. LLC, Cranberry Township, PA
- ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

25250 Emergency Response Equipment

- RD Radiation Detection/Survey Meters
- Advetage Solutions, El Segundo, CA (RD)
- AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (RD)
- Aurum Technologies, Blackfoot, ID (RD)
- AVANTech, LLC, Knoxville, TN (RD)
- Berkeley Nucleonics Corp., San Rafael, CA (RD)
- BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (RD)
- Bot Engineering Ltd, Campbellville, Ontario, Canada (RD)
- Chesapeake Nuclear Services, Inc., Annapolis, MD (RD)
- ENVINET GmbH, Munich/Haar, Germany (RD)
- Environmental Restoration Group, Inc., Albuquerque, NM (RD)
- ◆ F&J SPECIALTY PRODUCTS, INC., Ocala, FL (RD)
- Framatome Inc., (North American Headquarters), Lynchburg, VA (RD)
- Frham Safety Products, Inc., Nashville, TN (RD)
- Gamma Reality Inc., Richmond, CA (RD)
- GLSEQ, LLC, Huntsville, AL (RD)
- H3D, Inc., Ann Arbor, MI (RD)
- HI-Q Environmental Products Company, Inc., San Diego, CA (RD)
- ◆ I.C.E. Service Group, Inc., Moon Township, PA (RD)
- LabLogic Systems, Inc., Tampa, FL (RD)
- Mirion Technologies (C Canberra) Inc., Meriden, CT (RD)
- ORTEC, Oak Ridge, TN (RD)
- RadComm Systems, Oakville, Ontario, Canada (RD)
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (RD)
- Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (RD)
- Westinghouse Electric Co. LLC, Cranberry Township, PA (RD)

25300 Emergency Warning Systems (Public)

- SE Sirens, Electronic
- SM Sirens, Mechanical
- SR System Readiness Reporting Systems
- TC Telephonic, Computerized
- TA Tone Alerting Radios
- V Voice Alert (Public Address)
- ARES Security Corp., Vienna, VA (SR)
- BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (SE, TC)
- BlackStarTech, Davenport, IA (SE, SM, SR, TC, TA)
- Bot Engineering Ltd, Campbellville, Ontario, Canada (TC)
- Genave Electronics, Hampton, MN (SE, SM, SR, TA, V)
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (SE)
- Westinghouse Electric Co. LLC, Cranberry Township, PA (SE, TC)

25350 Emergency Warning Systems (Worker)

- Aurum Technologies, Blackfoot, ID
- G.D. Barri & Associates, Inc., Peoria, AZ
- Framatome Inc., (North American Headquarters), Lynchburg, VA
- Pajarito Scientific Corp., Santa Fe, NM
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH

25400 Employment/Personnel Support Services

- A Agencies
- C Craft Labor Support, Temporary
- E Executive Recruitment
- FT Full-Time Permanent Personnel
- TS Technical, Professional Support, Temporary
- American DND Engineering, PC, Ellicottville, NY (TS)
- ◆ American DND Inc., Grand Island, NY (C)
- F.N. Anderson & Assoc., Forest, VA (FT, TS)
- Applied Analysis Corp., Reading, PA (TS)
- AVANTech, LLC, Knoxville, TN (TS)
- Babcock Services, Inc., Kennewick, WA (C, E, FT, TS)
- ◆ Banda Group International, LLC, Mesa, AZ (TS)
- G.D. Barri & Associates, Inc., Peoria, AZ (C, FT, TS)
- BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (C, FT, TS)
- Boston Government Services, LLC (BGS), Oak Ridge, TN (TS)
- CS-2 Inc., Grand Island, NY (A, E, FT, TS)
- Curtiss-Wright Nuclear Division, Brea, CA (TS)
- Curtiss-Wright Nuclear Division, Energetech, Brea, CA (TS)
- DCS Systems, Inc., Simsbury, CT (TS)
- EmmEn Marketing Consultants, Pune, Maharashtra, India (A)
- Empyrean Services, Sewickley, PA (E, FT, TS)
- Encorus Group, Springville, NY (FT, TS)
- Enercon Services, Inc., Kennesaw, GA (TS)
- ◆ EnergySolutions, Salt Lake City, UT (TS)
- Engineered Rigging, Russellville, AR (C, TS)
- EXCEL Services Corporation, Rockville, MD (TS)
- Exitech Corp., Maryville, TN (TS)
- Framatome Inc., (North American Headquarters), Lynchburg, VA (C, TS)
- Fuel Tank Maintenance Co., LLC, Cookeville, TN (C)
- Gilbert Consulting Services, Inc., Arroyo Grande, CA (A, C, E, FT, TS)
- GSE Workforce Solutions, Technical Staffing, (Formerly known as Absolute Consulting), Columbia, MD (A, C, E, FT, TS)
- Hansell Tierney, Inc. (WBE), Mercer Island, WA (A, C, E, FT, TS)
- Human Resources Consulting, Gallatin, TN (FT)
- ◆ I.C.E. Service Group, Inc., Moon Township, PA (TS)
- James Fisher Technologies, Loveland, CO (TS)
- Merrick & Company, Greenwood Village, CO (TS)
- Morson International Inc., (Morson Canada), Toronto, Ontario, Canada (A, E, TS)
- Navarro, Oak Ridge, TN (C, E, FT, TS)
- Numerical Advisory Solutions, LLC, Cary, NC (FT, TS)
- ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (TS)
- Plant Decommissioning, Lake Villa, IL (E, FT, TS)
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (C, TS)
- Radium Inc., Waynesboro, VA (A, C, E, FT, TS)
- ReNuke, Oak Ridge, TN (C, TS)
- S&K Logistics Services, Byron, GA (FT, TS)
- Sonic Systems International, LLC, Houston, TX (FT, TS)
- System One, Pittsburgh, PA (A, C, FT, TS)
- The Delphi Groupe, Inc., Austin, TX (A, E, FT, TS)
- TSSD Services, Inc., Sidney, ME (TS)
- ◆ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (C, TS)

Westinghouse Electric Co. LLC, Cranberry Township, PA (C, FT, TS)
Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (C, TS)
Women in Nuclear Canada, Toronto, Ontario, Canada (E, TS)

25600 Encapsulation, Radioactive Source

- Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA
- ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom
- ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH
- ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada
- AVANTech, LLC, Knoxville, TN
- BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA
- Container Technologies Industries, LLC, Helenwood, TN
- ◆ EnergySolutions, Salt Lake City, UT
- Frontier Technology Corp., Xenia, OH
- GE Hitachi Nuclear Energy, Wilmington, NC
- Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA
- International Isotopes, Inc., (RadQual), Idaho Falls, ID
- ISO-PACIFIC Remediation Technologies, Inc., Richland, WA
- Lucideon, Morrisville, NC
- MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada
- NAC Philotechnics, Ltd., Oak Ridge, TN
- New Millennium Nuclear Technologies International, Lakewood, CO
- NSSI/Recovery Services Inc., Houston, TX
- Off-Site Source Recovery Program, (Los Alamos National Laboratory), Los Alamos, NM
- Southwest Research Institute, San Antonio, TX
- ◆ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN
- Waste Control Specialists LLC, Andrews, TX
- Westinghouse Electric Co. LLC, Cranberry Township, PA

26080 Environmental Monitoring Equipment

- Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD
- AMEASOL - American Measurement Solutions LLC, Santa Fe, NM
- Aurum Technologies, Blackfoot, ID
- BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA
- Bot Engineering Ltd, Campbellville, Ontario, Canada
- Centronic Ltd., Surrey, United Kingdom
- Curtiss-Wright Nuclear Division, Brea, CA
- Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
- Eddyfi Technologies, Quebec City, Canada
- Elcometer, Inc., Warren, MI
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL
- ENVINET GmbH, Munich/Haar, Germany
- Environmental Restoration Group, Inc., Albuquerque, NM
- ◆ F&J SPECIALTY PRODUCTS, INC., Ocala, FL
- Frham Safety Products, Inc., Nashville, TN
- Gamma Reality Inc., Richmond, CA
- GE Hitachi Nuclear Energy, Wilmington, NC
- General Atomics Electromagnetic Systems, San Diego, CA

HI-Q Environmental Products Company, Inc., San Diego, CA
 JSM Protective, Inc., Port St. Lucie, FL
 LND, Inc., Oceanside, NY
 Mirion Technologies (C Canberra) Inc., Meriden, CT
 Navarro, Oak Ridge, TN
 Nextteq International LLC, Nextteq, Tampa, FL
 ORTEC, Oak Ridge, TN
 Overhoff Technology Corp., (A Div. of US Nuclear Corp.), Milford, OH
 Pajarito Scientific Corp., Santa Fe, NM
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN
 Protean Instrument Corp., Knoxville, TN
 RADeCO, Inc., Plainfield, CT
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH
 Radiological Solutions Inc., Rockdale, IL
 Remtech Inc., The Villages, FL
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA
 Westinghouse Electric Co. LLC, Cranberry Township, PA

26100 Environmental Monitoring Services

Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM
 G.D. Barri & Associates, Inc., Peoria, AZ
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA
 Centronic Ltd., Surrey, United Kingdom
 Encorus Group, Springville, NY
 Enercon Services, Inc., Kennesaw, GA
 ENVINET GmbH, Munich/Haar, Germany
 Environmental Restoration Group, Inc., Albuquerque, NM
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 Frham Safety Products, Inc., Nashville, TN
 GE Hitachi Nuclear Energy, Wilmington, NC
 The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC
 HI-Q Environmental Products Company, Inc., San Diego, CA
 Kinectrics Inc., Toronto, Ontario, Canada
 Mirion Technologies (C Canberra) Inc., Meriden, CT
 Murray and Trettel, Inc., Palatine, IL
 Navarro, Oak Ridge, TN
 New Millennium Nuclear Technologies International, Lakewood, CO
 NUCON International, Inc., Columbus, OH
 Pajarito Scientific Corp., Santa Fe, NM
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH
 RSO, Inc., (Radiation Service Organization), Laurel, MD
 Sargent & Lundy, Chicago, IL
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL
 Tetra Tech Inc., Richland, WA
 The Delphi Groupe, Inc., Austin, TX
 Veolia Nuclear Solutions - Federal Services, Piketon, OH
 VTT Technical Research Centre of Finland, VTT, Finland
 Westinghouse Electric Co. LLC, Cranberry Township, PA

26230 Equipment Rental

AC Air Conditioning
 C Chillers
 CN Containers
 CT Cooling Towers
 DE Detectors, Explosives
 DW Detectors, Weapons
 H Hydraulic Systems
 IR Instruments, Radiation Detection
 RL Radiochemistry Labs, Mobile
 RV Remote-Operated Vehicles
 S Scaffolding
 SC Spot-Coolers
 UC Underwater Cameras
 VA Vacuum Systems (HEPA Filtered)
 VT Valve Testers (Off-Line)
 VS Ventilation Systems, HEPA Filtered
 VI Video Inspection Systems
 WB Whole-Body Counting Units
 Advetage Solutions, El Segundo, CA (IR)
 Aggreko Ltd., Houston, TX (AC, C, CT)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (CN)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (DE, IR, RV)
 ◆American DND Inc., Grand Island, NY (S)
 ANTECH Corp., Arvada, CO (IR, RL)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (S)
 ◆Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (RV)
 Crane Nuclear PFT Corp., Kennesaw, GA (VT)
 ◆Curtiss-Wright EST Group, Hatfield, PA (H)
 Curtiss-Wright Nuclear Division, Brea, CA (H)
 Curtiss-Wright Nuclear Division, Enertech, Brea, CA (H)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (H)
 Eddyfi Technologies, Quebec City, Canada (IR, RV, UC, VI)
 EFCO USA, Inc., Charlotte, NC (VT)
 ◆EnergySolutions, Salt Lake City, UT (IR, RL, RV, VA)
 Engineered Rigging, Russellville, AR (H, RV)
 Environmental Restoration Group, Inc., Albuquerque, NM (IR)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (VT)
 ◆I.C.E. Service Group, Inc., Moon Township, PA (CN)
 Integra Services Technologies Inc., Pasadena, TX (H)
 ISEC Monitoring Systems AB, Helsingborg, Sweden (VI)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (DE, DW, IR)
 James Fisher Technologies, Loveland, CO (RV)
 Lenox Instrument Co., Inc., Trevose, PA (VI)
 Master-Lee Engineered Products Inc., Latrobe, PA (UC)
 Mirion Technologies (C Canberra) Inc., Meriden, CT (IR, RL, WB)
 NETCo, Windsor, ME (DE, DW)
 NUCON International, Inc., Columbus, OH (VS)
 ORTEC, Oak Ridge, TN (IR)
 Pajarito Scientific Corp., Santa Fe, NM (IR, VA, VS)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (IR)
 PHDS Co., Knoxville, TN (RL)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (IR)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (IR)
 Radium Inc., Waynesboro, VA (RV, UC, VI)
 Rexon Components, Inc., Beachwood, OH (IR)
 River Technologies, LLC, Forest, VA (VA, VS)
 SERCO USA, Evergreen, CO
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (RL)
 Transco Products Inc., Streator, IL (IR)
 ◆UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (IR)

University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (RV)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (CT, S)

26240 Equipment Sales, Surplus

AVANTech, LLC, Knoxville, TN
 Barnhart Nuclear Services, Fairhope, AL
 Battery Lane LLC, Carson City, NV
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID
 EmmEn Marketing Consultants, Pune, Maharashtra, India
 Exitech Corp., Maryville, TN
 GE Hitachi Nuclear Energy, Wilmington, NC
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX
 PD Design Group, LLC, Lake Villa, IL
 Rexon Components, Inc., Beachwood, OH
 Thorburn Flex Inc., Pointe-Claire, Quebec, Canada
 UKM Management Consulting, Brampton, Ontario, Canada
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

26600 Fall Protection Equipment & Devices, Construction & Maintenance

Alphasource, Inc., Philadelphia, PA
 Frham Safety Products, Inc., Nashville, TN
 JSM Protective, Inc., Port St. Lucie, FL

26900 Fasteners

B Bolts
 CG Commercial Grade Dedication
 N Nuts
 QT Quick Throw
 S Studs
 TR Threaded Rod
 W Washers
 ◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (B, N, QT, S, TR, W)
 ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH (TR)
 Carolina Fabricators, West Columbia, SC (B, CG, N, QT, S, TR, W)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (B, N, QT, S, TR, W)
 Curtiss-Wright Nuclear Division, Brea, CA (B, N, S, TR, W)
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH (B, N, S, TR, W)
 DuBose National Energy Services, Inc., Clinton, NC (B, N, QT, S, TR, W)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (B, N, S, TR, W)
 Energy Steel, Rochester Hills, MI (B, S, W)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (B, N, S, TR, W)
 GE Hitachi Nuclear Energy, Wilmington, NC (B, N, S, TR, W)
 Heinrich Jungeblodt GmbH & Co KG, Warstein, Germany (B, N, QT, S, TR, W)
 Joseph Oat Corp., Camden, NJ (B, N, QT, S, TR, W)
 Lincoln Structural Solutions, Louisville, NE (B, N, QT, S, TR, W)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (B, S, TR)
 Nord-Lock Inc., Clinton, PA (B, N, S, TR, W)
 NuSource LLC, Alexandria, VA (B, N, S)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (B, CG, N, QT, S, TR, W)
 Paxton & Vierling Steel, Carter Lake, IA (B)

PMT Nuclear, Woodridge, IL (B, N, S, TR, W)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (B, CG, N, S, TR, W)
 T&T Enterprises, Corona, CA (B, N, S, TR, W)
 Tioga Pipe, Philadelphia, PA (B, N, S, TR, W)
 Trust Manufacturing, LLC, Euclid, OH (B, CG, N, QT, S, TR, W)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (B, N, S, TR, W)
 UCC Industries International Inc., Pickering, Ontario, Canada (B, N, S, TR, W)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (B, N, S, TR, W)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (B, N, QT, S, TR, W)

26910 Feedthroughs, Bulkhead

E Electrical
 F Fiber Optic
 AFO Research Inc., Vero Beach, FL (F)
 CableLAN Nuclear, Inc., Fort Myers, FL (F)
 Curtiss-Wright Nuclear Division, Brea, CA (E, F)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (E, F)
 James Fisher Technologies, Loveland, CO (E)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (E, F)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (E, F)
 PAVE Technology Co., Dayton, OH (E, F)
 ♦ Teledyne Brown Engineering, Inc., Huntsville, AL (E, F)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (E)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (E, F)

26970 Fiber Optic Components & Systems

AFO Research Inc., Vero Beach, FL
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA
 CableLAN Nuclear, Inc., Fort Myers, FL
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 GE Hitachi Nuclear Energy, Wilmington, NC
 GenScope, Inc., East Longmeadow, MA
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA
 Ultra Energy, (Weed Instrument), Round Rock, TX
 Westinghouse Electric Co. LLC, Cranberry Township, PA

27180 Filter Housings

B Bag In/Bag Out
 M Manual Changeout
 R Remote Changeout
 SA Side Access
 W Walk-In
 AVANTech, LLC, Knoxville, TN (B, M, R)
 Camfil USA, Inc., Washington, NC (B, M, R, SA, W)
 Central Research Laboratories, Red Wing, MN (B, M, R)
 Dominion Engineering, Inc., Reston, VA (R)
 ECU Corporation, Cincinnati, OH (B, M, SA, W)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon, a Berkshire Hathaway company), Batavia, OH (B, M, R, SA, W)
 Energy Steel, Rochester Hills, MI (B, M)
 ♦ EnergySolutions, Salt Lake City, UT (M)

FabOhio, Inc., Uhrichsville, OH (B)
 JSM Protective, Inc., Port St. Lucie, FL (B)
 NUCON International, Inc., Columbus, OH (B, M, R, SA, W)
 NuSource LLC, Alexandria, VA (B, M)
 Pajarito Scientific Corp., Santa Fe, NM (B)
 PAR Systems, LLC, Saint Paul, MN (R)
 PMT Nuclear, Woodridge, IL (B, M, R, SA, W)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (B, M, SA)
 Radiological Solutions Inc., Rockdale, IL (M)
 ♦ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (B, M, R, SA, W)
 Tri Nuclear Corp., Troy, NY (M, R)

27450 Filters

A Air
 C Carbon
 CL Cloth, Straining
 DE Debris
 D Disposable
 HE HEPA
 HY Hydraulic
 LO Lubricating Oil
 SB Stainless Steel, Porous, Backwash
 SU Stainless Steel, Porous, Backwash, Ultrasonic
 SP Stainless Steel, Porous, Blowback
 SS Stainless Steel, Sintered
 TF Thin-Film
 U Ultrafiltration
 V Vacuum (HEPA)
 W Water (Conventional)
 WP Water Purification
 WS Water/Steam, High-Pressure
 X X-ray

♦ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (SB, SU, SP, SS)
 Arkema, Inc., (formerly ATOFINA Chemicals, Inc.), King of Prussia, PA (C)
 AVANTech, LLC, Knoxville, TN (C, DE, D, LO, SB, U, W, WP)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (A, C, HE, V)
 Camfil USA, Inc., Washington, NC (A, C, HE, V)
 Carolina Fabricators, West Columbia, SC (A, HE, SB, SU, SP, SS)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (SB, WS)
 Curtiss-Wright Nuclear Division, Brea, CA (A, C, HE, V)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (A, C, HE, V)
 Dominion Engineering, Inc., Reston, VA (A, SU, SS, WP)
 ECU Corporation, Cincinnati, OH (A, HE)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon, a Berkshire Hathaway company), Batavia, OH (A, C, HE)
 ♦ EnergySolutions, Salt Lake City, UT (DE, D, U, W, WP)
 ♦ F&J SPECIALTY PRODUCTS, INC., Ocala, FL (A, C, HE)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, D, U, W, WP, WS)
 Frham Safety Products, Inc., Nashville, TN (A, C, D, HE, V)
 GE Hitachi Nuclear Energy, Wilmington, NC (WP)
 HI-Q Environmental Products Company, Inc., San Diego, CA (A, C)
 Joseph Oat Corp., Camden, NJ (LO, W, WP, WS)
 JSM Protective, Inc., Port St. Lucie, FL (CL, D)
 Kinectrics Inc., Toronto, Ontario, Canada (HE, V)
 Lancs Industries, Albuquerque, NM (A, D, HE)
 Mohawk Safety, Manchester, CT (HE, V)
 Newark Wire Cloth Co., Cedar Grove, NJ (CL, SB, SU, SP, SS, W)
 NFI, by Alpha Safety Group, Golden, CO (A, C, D, HE, SS, U, WP)
 NUCON International, Inc., Columbus, OH (A, C, D, HE, WP)

NuSource LLC, Alexandria, VA (A, CL, D, HE, HY, LO, SB, SU, SP, SS, TF, U, V, W, WP, WS)
 ♦ PacTec, Inc., Clinton, LA (CL)
 Pajarito Scientific Corp., Santa Fe, NM (C, HE)
 ♦ Paragon Energy Solutions, (Paragon), Fort Worth, TX (A, C, LO, W)
 PMT Nuclear, Woodridge, IL (A, C, D, HE, V, W, WP)
 Premier Technology, Inc., Blackfoot, ID (HE)
 RADeCO, Inc., Plainfield, CT (C)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (A, C, HE, U, V)
 ♦ Radiation Safety & Control Services, Inc., Seabrook, NH (A, C)
 Radiological Solutions Inc., Rockdale, IL (W, WP)
 River Technologies, LLC, Forest, VA (A, HE, V, WS)
 Siempelkamp NIS, Alzenau, Germany (A, HE, WP)
 Swagelok Company, Solon, OH (A, LO, W)
 Tri Nuclear Corp., Troy, NY (C, D, SB, W, WP)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (D, W)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (A, C, HE, V)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (A, C, CL, D, HE, HY, LO, SB, SU, SP, SS, TF, U, V, W, WP, WS, X)

27650 Filters, Neutron (CdS)

NuSource LLC, Alexandria, VA

30040 Fuel Element Consolidation (Spent Fuel)

SE Services
 SY Systems
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (SY)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (SY)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (SY)
 Babcock Services, Inc., Kennewick, WA (SE, SY)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (SE, SY)
 Enercon Services, Inc., Kennesaw, GA (SE)
 ♦ EnergySolutions, Salt Lake City, UT (SE, SY)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (SE, SY)
 ♦ NAC International Inc., Peachtree Corners, GA (SE)
 NuclearConsultants.com, Ann Arbor, MI (SE, SY)
 ♦ Orano USA, Bethesda, MD (SE)
 Pajarito Scientific Corp., Santa Fe, NM (SE)
 PTP Spent Fuel Services, LLC, Grand Island, NY (SE, SY)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (SE, SY)

30500 Fuel Handling Equipment & Systems

CC Computer Control Systems
 FT Fuel Transfer Equipment
 IP In-Pile Inspection & Manipulation
 QC Quick Closures, Fuel Transfer Tube
 R Refueling Equipment
 RS Refueling Shielding
 SP Service Platform Modification/Upgrade
 ♦ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (FT, QC, SP)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (IP)
 American Crane & Equipment Corp., Douglassville, PA (FT, R)
 Andritz AG, Graz, Austria (FT, R)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (R, SP)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (R, SP)

ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (R, SP)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (FT, R)
 Carolina Fabricators, West Columbia, SC (FT, RS)
 Curtiss-Wright Nuclear Division, Brea, CA (CC, FT, IP, QC, R)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CC, FT, IP, QC, R)
 Dominion Engineering, Inc., Reston, VA (IP)
 DuBose National Energy Services, Inc., Clinton, NC (SP)
 ◆EnergySolutions, Salt Lake City, UT (FT)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CC, FT, IP, R, RS, SP)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (FT)
 GE Hitachi Nuclear Energy, Wilmington, NC (FT, IP, R, SP)
 ◆Holtec International, Camden, NJ (FT, R, SP)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (SP)
 James Fisher Technologies, Loveland, CO (IP)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (FT, R, SP)
 Major Tool & Machine, Indianapolis, IN (FT)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (RS)
 Master-Lee Engineered Products Inc., Latrobe, PA (R, SP)
 Merrick & Company, Greenwood Village, CO (IP, R, RS)
 ◆NAC International Inc., Peachtree Corners, GA (FT)

Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (R)
 PAR Systems, LLC, Saint Paul, MN (CC, FT, IP, QC, R, RS, SP)
 Platom Oy, Mikkeli, Finland (FT)
 Precision Custom Components, LLC, York, PA (R)
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (FT, QC, R, RS, SP)
 PTP Spent Fuel Services, LLC, Grand Island, NY (FT)
 REEL COH Inc., Canada (CC, FT, QC, R, SP)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (FT, SP)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (FT)
 Sonic Systems International, LLC, Houston, TX (IP)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (FT, QC, R)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CC, FT, IP, QC, R, RS, SP)

32250 Gas Handling Equipment

A Adsorbers
 C Circulators
 G Gas Generators
 HC Hydrogen Combiners
 MP Mixers, Proportioners
 OG Off-Gas Treatment Systems
 P Purifiers
 ECU Corporation, Cincinnati, OH (A, OG)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon[®], a Berkshire Hathaway company), Batavia, OH (A, OG)

Framatome Inc., (North American Headquarters), Lynchburg, VA (HC, OG)
 GE Hitachi Nuclear Energy, Wilmington, NC (OG)
 GLSEQ, LLC, Huntsville, AL (HC)
 M. Braun, Inc., Stratham, NH (P)
 Merrick & Company, Greenwood Village, CO (OG)
 Nextteq International LLC, Nextteq, Tampa, FL (G)
 NUCON International, Inc., Columbus, OH (A, G, OG, P)
 Pajarito Scientific Corp., Santa Fe, NM (A)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (A)
 ◆SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (A)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (G, HC)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (HC)

33200 Gases

Miller Pipeline, Indianapolis, IN

36000 Gloveboxes & Accessories

B Base Units
 C Containers
 D Drain Assemblies
 GB Glovebag Containments
 GR Glovebag Rings
 G Gloves
 P Ports
 ◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (B, C, D)
 Alphasource, Inc., Philadelphia, PA (GB, G)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (P)



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- Containers/Casks/Overpacks
- Nuclear Shielding
- ASME B30.20 Lifting Devices
- Remote/Material Handling Equipment
- Automated Control Systems
- UL508A Control Panels

IMPLEMENTED NUCLEAR QUALITY ASSURANCE PROGRAMS

- ASME NQA-1 2008/2009a
- 10 CFR 50 Appendix B
- 10 CFR 830.122
- 10 CFR 71, Subpart H
- ISO 9001:2008
- ASME Div. 1 "U" Stamp
- AWS D1.1, D1.6

Contact: Dan Payne ● dan.payne@wagstaff.com ● 509-321-3184
 www.WagstaffAT.com ● Spokane Valley, WA



Camfil USA, Inc., Washington, NC (GB)
 Carolina Fabricators, West Columbia, SC (B, C)
 Central Research Laboratories, Red Wing, MN (C, GB, GR, P)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (B, C, P)
 Frham Safety Products, Inc., Nashville, TN (C, D, GB, GR, G)
 James Fisher Technologies, Loveland, CO (B)
 Joseph Oat Corp., Camden, NJ (B, C)
 JSM Protective, Inc., Port St. Lucie, FL (D, GR, G, P)
 Lancs Industries, Albuquerque, NM (B, C, D, GB, GR, G, P)
 M. Braun, Inc., Stratham, NH (B, C, D, GB, GR, G, P)
 Major Tool & Machine, Indianapolis, IN (B)
 Mohawk Safety, Manchester, CT (B, C, D, GB, GR, G)
 Orano Federal Services, Charlotte, NC (B, GB, GR)
 ◆Orano USA, Bethesda, MD (B)
 Pajarito Scientific Corp., Santa Fe, NM (B)
 ◆Petersen Inc., Ogden, UT (C)
 PMT Nuclear, Woodridge, IL (B, C, D, GB)
 Precision Custom Components, LLC, York, PA (B, GB)
 Premier Technology, Inc., Blackfoot, ID (B, C, P)
 Radium Inc., Waynesboro, VA (B, C, GB)
 Rexon Components, Inc., Beachwood, OH (B, GR, G, P)
 Rich Industries Inc., New Philadelphia, OH (D, GR, P)
 Robatel Technologies, LLC, Roanoke, VA (B, C, D, GB, GR, P)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (B, GB)
 ◆SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (B)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (B)
 ◆Wagstaff Applied Technologies, Spokane, WA (B, C, D, GR, G)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (B, C, D, GB, GR, G, P)

36900 Grouts

Cutting Technologies (CTI), Gloucester City, NJ
 Five Star Products, Inc., Shelton, CT
 Nuclear Shielding Supplies & Service, Tucson, AZ
 Simpson Gumpertz & Heger (SGH), Chicago, IL
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

37130 Health Physics Equipment & Supplies

B Bags
 BM Biomedical Radiation-Counting Systems
 BC Body Cooling Systems
 DM Decon Mats
 DT Decon Trailers, Mobile
 DC Dosimeter Chargers
 DV Dosimeter Vests, Caps, Arm & Leg Bands
 DH Dosimeters, High-Range (Mega R)
 DP Dosimeters, Personnel
 DO Dosimetry Systems, Computerized
 DR Dosimetry Systems, Real-Time Remote
 DS Drain Socks
 EM Emergency Medical Equipment & Supplies
 E Enclosures, Radiological Containment (Temporary)
 FT Filter Test Equipment
 HS Heat Stress Monitors
 L Labels, Warning
 MS Metalized Sheetting
 MT Mops, Roll, Tacky
 PR Phantoms, Radiation-Dosimetry
 PC Planchet Changers, Automatic
 P Planchets, Counting
 RT Respirator Tracking Systems
 SI Scanners, Isotope Distribution
 S Sheetting, Plastic

SW Signs, Warning, Radiation
 SS Smears, Swipes
 SF Stretch Wrap Film
 TW Tapes, Warning
 T Tubing, Plastic
 WC Wheel Covers
 WT Wipers, Tacky
 Advetage Solutions, El Segundo, CA (DP, DR, SI)
 Alphasource, Inc., Philadelphia, PA (B, DM, DS, L, MT, S, SF, TW, T, WC, WT)
 Aurum Technologies, Blackfoot, ID (DP, DO, DR, HS)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (DT, DO, DR, E, RT, T)
 Centronic Ltd., Surrey, United Kingdom (DP, DR)
 Coastal Network, Inc., Charlottesville, VA (B, DM, DC, DV, DP, E, L, MT, P, S, SW, SS, TW, T, WT)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (E)
 ECU Corporation, Cincinnati, OH (DT)
 Environmental Restoration Group, Inc., Albuquerque, NM (P, SS)
 Exitech Corp., Maryville, TN (DP, DO, DR)
 ◆F&J SPECIALTY PRODUCTS, INC., Ocala, FL (SS)
 FabOhio, Inc., Uhrichsville, OH (B, DM, E, S, SW)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (DP, DO, SI)
 Frham Safety Products, Inc., Nashville, TN (B, BC, DM, DT, DC, DV, DH, DP, DO, DR, DS, EM, E, FT, HS, L, MT, PR, PC, P, RT, S, SW, SS, SF, TW, T, WC, WT)
 Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (DP)
 HI-Q Environmental Products Company, Inc., San Diego, CA (P)
 Hopewell Designs, Inc., Alpharetta, GA (DC, PR)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (DR, SI)
 James Fisher Technologies, Loveland, CO (DT, DP, DO, DR)
 JSM Protective, Inc., Port St. Lucie, FL (B, DM, DV, DS, EM, MT, P, S, SW, SS, SF, TW, T, WC, WT)
 Lancs Industries, Albuquerque, NM (B, E, L, S, SW, T)
 LND, Inc., Oceanside, NY (BM, DH, DP, DR, P)
 Ludlum Measurements, Inc., Sweetwater, TX (BM)
 M. Braun, Inc., Stratham, NH (E)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (EM, E)
 Mirion Technologies (Canberra) Inc., Meriden, CT (BM, DO, PR, PC, P, SI)
 Mohawk Safety, Manchester, CT (B, DM, DS, E, L, MT, P, S, SW, SS, TW, T, WT)
 Nextteq International LLC, Nextteq, Tampa, FL (B, DP)
 North Wind Group, Idaho Falls, ID (DP)
 ORTEC, Oak Ridge, TN (BM, PC, P, SI)
 ◆PacTec, Inc., Clinton, LA (B, DM, DS, T)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (HS)
 PHDS Co., Knoxville, TN (SI)
 Protean Instrument Corp., Knoxville, TN (PC, P, SS)
 Proxtronic, Dosimetry LLC, Alexandria, VA (DH)
 RADECo, Inc., Plainfield, CT (DH, DP)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (E)
 Radium Inc., Waynesboro, VA (BC, HS, RT)
 ◆Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (B, DM, DS, E, S, SW, TW, T)
 ReNuke, Oak Ridge, TN (DC)
 Rexon Components, Inc., Beachwood, OH (DP, DO, PR, P)
 Rich Industries Inc., New Philadelphia, OH (B, S, SW, SS, TW, T)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (B, DC, L, SW, SS, TW)
 S.E. International, Inc., Summertown, TN (DC, DP)
 J. L. Shepherd & Assoc., San Fernando, CA (E)

Tech Products, Inc., Staten Island, NY (L, SW)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (DP, DO, DR)
 Transco Products Inc., Streator, IL (DO)
 Ultra Energy, (Weed Instrument), Round Rock, TX
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (B, DM, E, L, MT, S, SW, SS, TW, T, WT)
 ◆UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (B, BC, DM, DT, DV, DS, E, MT, S, SW, SS, TW, T, WT)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (BM, DC, DP, DO, DR, SI)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (DO, DR, RT)

37160 Health Physics Equipment & Supplies, Disposable/Soluble

EF Equipment & Floor Covers
 MW Mops, Wet
 W Wipers
 Alphasource, Inc., Philadelphia, PA (EF, MW, W)
 FEVDI Nuclear Decontamination, Corbas, France (W)
 Frham Safety Products, Inc., Nashville, TN (EF, MW, W)
 Hopewell Designs, Inc., Alpharetta, GA (EF)
 JSM Protective, Inc., Port St. Lucie, FL (EF, MW, W)
 Mohawk Safety, Manchester, CT (EF, W)
 ◆PacTec, Inc., Clinton, LA (EF)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (EF)
 Rexon Components, Inc., Beachwood, OH (EF, MW, W)
 Rich Industries Inc., New Philadelphia, OH (EF)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (EF, MW, W)

37200 Health Physics Services

BF Badge Services, Film
 BT Badge Services, TLD
 BI Bioassay
 BA Breathing Air Quality Analysis
 C Calibration
 D Dosimetry Services
 EI Environmental Impact Analysis
 HC Hazard Communication (Employee)
 IH Industrial Hygiene Services
 IR Industrial Radiology
 IT Industrial Toxicology
 I In-Plant
 L Laboratory Services
 LD Laundry Services, Dry Cleaning
 LE Laundry Services, Extraction
 LW Laundry Services, Wet Wash
 MR Medical Review Officer Services
 PW Procedures Writing
 Q Quality Assurance, Quality Control
 RS Radiochemistry Services
 RE Radiological Engineering
 RI Radioimmunoassay Services
 RC Regulatory Compliance Support
 RF Respirator Fit Testing
 RT Respiratory Equipment Cleaning, Repair & Testing
 S Surveys
 TH Training, Health Physics
 TM Training, Maintenance Support
 U Urinalysis
 WB Whole-Body Counting Services
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (IH, PW, Q, RC, S, TH)

Advetage Solutions, El Segundo, CA (C, PW, RE, S, TH)
 Applied Analysis Corp., Reading, PA (Q, RE)
 Aurum Technologies, Blackfoot, ID (I)
 Babcock Services, Inc., Kennewick, WA (PW, RE, RC, S, TH)
 Berkeley Nucleonics Corp., San Rafael, CA (C)
 Bevelacqua Resources, Owens Cross Roads, AL (EI, TH)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (D, EI, IH, I, PW, Q, RS, RE, RC, RT, S, TH, TM)
 Chesapeake Nuclear Services, Inc., Annapolis, MD (EI, I, PW, Q, RS, RE, RC, S, TH)
 Constellation PowerLabs, Coatesville, PA (C, D)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (RE)
 DW James Consulting, North Oaks, MN (RE)
 EK USA, Inc., (EK Ekcessories, Inc.), Logan, UT (BT)
 Enercon Services, Inc., Kennesaw, GA (C, D, IH, IR, IT, RE, RF, S, TH, TM)
 ◆EnergySolutions, Salt Lake City, UT (C, IH, I, L, PW, Q, RS, RE, RC, S, TH, TM)
 Environmental Restoration Group, Inc., Albuquerque, NM (S, TH)
 Exitech Corp., Maryville, TN (D, PW, RC, S, TH)
 ◆F&J SPECIALTY PRODUCTS, INC., Ocala, FL (C)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (BI, D, EI, IR, I, L, Q, RS, RE, RC, WB)
 GE Hitachi Nuclear Energy, Wilmington, NC (I, L)
 The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (IH, L, RF, S)
 GEL Laboratories, LLC, (A Member of The GEL Group, Inc.), Charleston, SC (BI, L, RS)
 Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (C)
 HI-Q Environmental Products Company, Inc., San Diego, CA (BA, C)
 Hopewell Designs, Inc., Alpharetta, GA (C)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (IR)
 Kinectrics Inc., Toronto, Ontario, Canada (D, L, RS, RE, TM, U)
 L3Harris MAPPS Inc., (Power Systems and Simulation), Montreal, Quebec, Canada (TM)
 Materials and Chemistry Laboratory, Inc., (MCLinc), Oak Ridge, TN (L)
 Mirion Technologies (Canberra) Inc., Meriden, CT (C, EI, I, L, RS, RE, TH, WB)
 NAC Philotechnics, Ltd., Oak Ridge, TN (RE, S)
 Navarro, Oak Ridge, TN (IH)
 Nextteq International LLC, Nextteq, Tampa, FL (BA, RF)
 North Wind Group, Idaho Falls, ID (BI, BA, EI, IH, TH)
 NSSI/Recovery Services Inc., Houston, TX (C, S, TH)
 Nucleonova S.L., Valencia, Spain (Q)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (C)
 PHDS Co., Knoxville, TN (RS, RE)
 Proxtronic, Dosimetry LLC, Alexandria, VA (RE, TH)
 RAdeCO, Inc., Plainfield, CT (C)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (BI, BA, PW, RC, S)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (RE)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (BF, BT, C, D, EI, HC, IH, IR, I, L, PW, Q, RS, RE, RC, S, TH)
 Radiological Solutions Inc., Rockdale, IL (PW, RC)
 Red Wolf Associates, Cary, NC (RE)
 ReNuke, Oak Ridge, TN (PW, RE, S, TH)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (BI, C, L, S, TH, U)
 Sargent & Lundy, Chicago, IL (EI, I, PW, Q, RE, RC, TH, TM)

Schulz Electric, Timken Power Systems, East Haven, CT (S)
 Howard L. Sobel, P.E., Oceanside, NY (Q)
 Southwest Research Institute, San Antonio, TX (EI, L, RS, RC, TH)
 Standish Technologies International, Export, PA (RC)
 Technical Management Services, Inc., New Hartford, CT (TH, TM)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (BI, L, RS)
 TerranearPMC, LLC, Exton, PA (RE)
 Tetra Tech Inc., Richland, WA (EI, IH, Q, RE, RC, S)
 The Delphi Groupe, Inc., Austin, TX (EI, HC, IH, I, PW, Q, RS, RE, RC, TH, TM)
 TLG Services, LLC, (sub. of Entergy Corp.), Bridgewater, CT (RE, RC, S)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (LE, LW, RF, RT)
 ◆UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (LD, LE, LW, RC, RF, RT, S)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (C)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (D, EI, IH, I, PW, Q, RS, RE, RC, RT, S, TH, TM)
 ◆WMG, Inc., Peekskill, NY (PW, RE, RC)
 Wood, (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group), Grand Junction, CO (EI, RE, S)

37600 Heat Exchangers & Equipment

C Coil
 HP Heat Pipe
 P Plate/Tube
 RF Refacing Equipment (On-Site)
 S Shell/Tube
 SA Sodium/Air
 SS Sodium/Sodium
 SW Sodium/Water
 W Wet Surface Air Coolers
 Advanced Cooling Technologies, Inc., Lancaster, PA (HP)
 Aerofin, Lynchburg, VA (C, P, S)
 Atlas Industrial Manufacturing Co., Clifton, NJ (S)
 Carolina Fabricators, West Columbia, SC (HP, P, S)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (C, HP, P, RF, S)
 ◆Curtiss-Wright EST Group, Hatfield, PA (S)
 Curtiss-Wright Nuclear Division, Brea, CA (C, P, S)
 Curtiss-Wright Nuclear Division, Enertech, Brea, CA (P)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (C, P, S)
 DC Fabricators Inc., Florence, NJ (C, P, S)
 DuBose National Energy Services, Inc., Clinton, NC (P, S)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (RF, S)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (C, HP, S)
 ECU Corporation, Cincinnati, OH (C, P, S)
 EFCO USA, Inc., Charlotte, NC (RF)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon", a Berkshire Hathaway company), Batavia, OH (C, S)
 Energy Steel, Rochester Hills, MI (C, P, S)
 Energyen Corporation, (Sales Operation), Gunsan, Korea (The Republic of) (S)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C, P, S, SW, W)
 GE Hitachi Nuclear Energy, Wilmington, NC (S)
 Heat Exchanger Products Corp. (HEPCO), Hingham, MA
 Heatric Division of Meggitt (UK) Ltd., Poole, Dorset, United Kingdom (P, SA, SS, SW)
 Hennigan Engineering LLC, Hingham, MA

◆Holtec International, Camden, NJ (C, P, RF, S, W)
 Joseph Oat Corp., Camden, NJ (C, S)
 Major Tool & Machine, Indianapolis, IN (S)
 NuSource LLC, Alexandria, VA (C, HP, P, S)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (C, HP, P, S, SA, SS, SW)
 Piping Technology & Products, Inc., Houston, TX (S)
 Plastocor, Inc., Hingham, MA (S)
 PMT Nuclear, Woodridge, IL (C, HP, P, S)
 Powerfect Service, Inc., Brick, NJ (S)
 Precision Custom Components, LLC, York, PA (S)
 Premier Technology, Inc., Blackfoot, ID (S)
 Radiological Solutions Inc., Rockdale, IL (C)
 Senior Flexonics Pathway, New Braunfels, TX (S)
 Sentry Equipment Corp., Oconomowoc, WI (C)
 Super Radiator Coils, Chaska, MN (C, P, S, W)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (C, HP, P, S)
 Thermal Engineering International (TEi), Cerritos, CA (S, W)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (C, HP, P, S)
 ◆Wagstaff Applied Technologies, Spokane, WA (C, HP, P, S)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (S)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (C, HP, P, RF, S, SA, SS, SW, W)

39650 Hydraulic Systems & Components

AMEASOL - American Measurement Solutions LLC, Santa Fe, NM
 Basic E, Inc., Charlotte, VT
 ◆Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM
 Carolina Fabricators, West Columbia, SC
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, Enertech, Brea, CA
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon", a Berkshire Hathaway company), Batavia, OH
 GE Hitachi Nuclear Energy, Wilmington, NC
 Integra Services Technologies Inc., Pasadena, TX
 James Fisher Technologies, Loveland, CO
 PAR Systems, LLC, Saint Paul, MN
 Plant Decommissioning, Lake Villa, IL
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT

39960 Imaging, Digital

CS Consulting Services
 H Hardware
 RS Radiographic Scanning
 RT Real-Time
 S Software
 Arkitek Scientific, Paso Robles, CA (CS)
 ASI Marine, Orchard Park, NY (CS)
 Aurum Technologies, Blackfoot, ID (H, RT, S)
 Cutting Technologies (CTI), Gloucester City, NJ (RS)
 EmmEn Marketing Consultants, Pune, Maharashtra, India (CS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CS, H, RS, RT, S)
 Gamma Reality Inc., Richmond, CA (CS, H, RT, S)
 General Plastics Mfg. Co., Tacoma, WA (CS)
 GenScope, Inc., East Longmeadow, MA (H)
 H3D, Inc., Ann Arbor, MI (H, RT, S)
 ISEC Monitoring Systems AB, Helsingborg, Sweden (RT)

ISO-PACIFIC Remediation Technologies, Inc.,
Richland, WA (RT, S)
Merrick & Company, Greenwood Village, CO (CS,
RT, S)
Newton Research Labs, Inc., Renton, WA (H)
◆Orano USA, Bethesda, MD (RS, RT)
Patriot Forge Co., Brantford, Canada (S)
◆Thermo Scientific - CIDTEC Cameras & Imagers,
(Part of Thermo Fisher Scientific), Liverpool, NY
(H, RT)
Transco Products Inc., Streator, IL (RS)
US Nuclear Corp., (Technical Associates Sub.),
(Overhoff Technology Corp. Sub.), Canoga Park,
CA (RS)

40050 Indicators

F Flow
LF Laminar Flow
LE LEDs
L Level
P Pressure
T Temperature
V Vibration

Advanced Measurement & Analysis Group Inc.,
Oakville, Canada (F, T)
Automation Products, Inc., (Dynatrol Div.),
Houston, TX (L)
Constellation PowerLabs, Coatesville, PA (F, LF,
LE, L, P, T, V)
Curtiss-Wright Nuclear Division, Brea, CA (F, LF,
L, P, T)
Curtiss-Wright Nuclear Division, Enertech, Brea,
CA (F, LF, L, P, T)
Curtiss-Wright Nuclear Division, QualTech NP,
Cincinnati, OH (F, L, P, T)
Element Nuclear (NTS Labs), (Nuclear Engineering
& Test Services), Huntsville, AL (L, P)
FCI-Fluid Components International, San Marcos,
CA (F, L, T)
Framatome Inc., (North American Headquarters),
Lynchburg, VA (F, L, P, T, V)
Hoffer Flow Controls, Elizabeth City, NC (F)
Kanata Electronic Services Ltd., Division of
Shawcor Ltd., Toronto, Ontario, Canada (T)
KROHNE, Inc., (KROHNE Group), Beverly, MA
(F, L, P, T)
LUDECA, Inc., Doral, FL (V)
OTEK Corp., Tucson, AZ (F, L, P, T, V)
◆Paragon Energy Solutions, (Paragon), Fort Worth,
TX (F, L, P, T)
Syscom Instruments S.A., Sainte-Croix,
Switzerland (V)
Technology for Energy Corp., Knoxville, TN (F)
Westinghouse Electric Co. LLC, Cranberry
Township, PA (F, P)
◆Westinghouse Electric Company LLC,
(Westinghouse Parts Business), New Stanton, PA
(F, LF, LE, L, P, T, V)

40700 Information Services

Black & Veatch, Overland Park, KS
Curtiss-Wright Nuclear Division, Brea, CA
Curtiss-Wright Nuclear Division, Scintech, Idaho
Falls, ID
Nuclear News Magazine, Downers Grove, IL
OECD Nuclear Energy Agency (NEA), Paris,
France
Radwaste Solutions Magazine, Downers Grove, IL
UxC, LLC, Roswell, GA

40900 Inspection Services

CR Control Rods & Drives
C Cranes & Hoists
D Dimensional
DS Diaphragms, Storage Tank
EM Electric Motors
EE Electrical, Electromechanical Equipment
FI Fuel, Irradiated
IS In-Service
IA Inspection Agency, ASME Code

MS Microscopy, Scanning
ND Nondestructive Examination
P Pipeline
PS Pipe Supports
Q QA/QC
SI Safety, Industrial
S Siren Systems
SO Solenoids
ST Structures
TP Tanks & Pools
VR Visual, Remote
W Welding
U Underwater, Remote, In-Service

Adam Brown Consulting, Inc., Cary, IL (Q, SI, ST)
◆AECON-WACHS, (U.S. Div. of Aeccon Nuclear),
Jackson, SC (IS, P, PS, TP)
Ahlberg Cameras, Wilmington, NC (VR, U)
AMEASOL - American Measurement Solutions
LLC, Santa Fe, NM (IS, ND, P, VR, U)
American Crane & Equipment Corp.,
Douglassville, PA (C, ND, W)
Andritz AG, Graz, Austria (ND)
Applied Analysis Corp., Reading, PA (EE, Q)
ARES Security Corp., Vienna, VA (VR)
ASC Engineered Solutions, (formally known as
Anvil International, LLC), Exeter, NH (IS, PS, W, U)
ASI Marine, Orchard Park, NY (IS, P, PS, TP, W, U)
ATS Industrial Automation, Inc. - Nuclear (UK),
Blaby, Leicester, United Kingdom (DS, VR, U)
ATS Industrial Automation, Inc. - Nuclear (USA),
(ATS Ohio, Inc.), Lewis Center, OH (DS, VR, U)
ATS Industrial Automation, Inc. Nuclear (Canada),
Cambridge, Ontario, Canada (DS, VR, U)
G.D. Barri & Associates, Inc., Peoria, AZ (Q)
BHI Energy - now Westinghouse, See listing for
Westinghouse Electric Co., Cranberry Township,
PA (P, PS)
Black & Veatch, Overland Park, KS (C, P, PS, Q, SI,
TP)
Bureau Veritas Inspection & Insurance Co., Lynn,
MA (IS, IA, Q, W)
Consolidated Power Supply, (Div. of Consolidated
Pipe & Supply Co., Inc.), Birmingham, AL (Q)
Constellation ClearSight, De Pere, WI (IA, P, TP,
VR, U)
Corrosion Control Services, Inc., Davenport, IA
(DS, TP)
CS-2 Inc., Grand Island, NY (SI)
Curtiss-Wright Nuclear Division, Brea, CA (D, EE,
IS, ND, PS, Q)
Curtiss-Wright Nuclear Division, Enertech, Brea,
CA (IS, ND, PS, Q)
Curtiss-Wright Nuclear Division, QualTech NP,
Cincinnati, OH (D, EE, ND, Q)
DCS Systems, Inc., Simsbury, CT (Q)
Dominion Engineering, Inc., Reston, VA (FI)
Element Nuclear (NTS Labs), (Nuclear Engineering
& Test Services), Huntsville, AL (PS)
Enercon Services, Inc., Kennesaw, GA (P, SI)
Exitech Corp., Maryville, TN (Q, SI)
Framatome Inc., (North American Headquarters),
Lynchburg, VA (CR, D, EE, FI, IS, MS, ND, P, PS,
Q, SI, TP, VR, W, U)
Fuel Tank Maintenance Co., LLC, Cookeville, TN
(IS, ND, P, TP, W)
GE Hitachi Nuclear Energy, Wilmington, NC (CR,
FI, IS, ND, P, VR, U)
Genave Electronics, Hampton, MN (S)
Global Quality Management Advisors, Lynchburg,
VA (ND, Q, ST, VR)
Hennigan Engineering LLC, Hingham, MA (P,
VR)
Hydro, Inc., (HydroAire Services Division),
Chicago, IL (D, ND, Q, W)
Imperia Engineering Partners LLC, Milford, MA
(IA, ND, P, PS)
In-Place Machining Company, LLC, Blue Ash, OH
(U)
International Isotopes, Inc., (RadQual), Idaho
Falls, ID (ND)
ISEC Monitoring Systems AB, Helsingborg,
Sweden (VR, U)

James Fisher Technologies, Loveland, CO (DS, ND,
P, TP, VR, W, U)
JME Technologies, Crystal Lake, IL (ND, VR)
Joseph Oat Corp., Camden, NJ (ND, PS, Q, TP, W)
K-Tek International Inc., Wilsonville, OR (MS)
KCI Engineering Consultants, Downers Grove, IL
Klein Consulting LLC, Norwich, CT (Q)
Konecranes Nuclear Equipment & Services LLC,
(Formerly Morris Material Handling / P&H), New
Berlin, WI (C)
L3Harris MAPPS Inc., (Power Systems and
Simulation), Montreal, Quebec, Canada
Laboratory Services, (Div. of Consumers Energy),
Jackson, MI (MS, ND, P, PS, VR, W)
Lenox Instrument Co., Inc., Trevoze, PA (ND, VR)
LUDECA, Inc., Doral, FL (EE)
Miller Pipeline, Indianapolis, IN (P)
Mirion Technologies (Canberra) Inc., Meriden, CT
(ND)
Mirion Technologies (IST) Corp., (Sensing Systems
Div.), Horseheads, NY (VR)
Mirion Technologies, Inc., (Sensing Systems Div.),
Atlanta, GA (VR)
Newton Research Labs, Inc., Renton, WA (FI, ND,
TP, U)
NUCON International, Inc., Columbus, OH (IS)
Numerical Advisory Solutions, LLC, Cary, NC (P,
PS)
O'Donnell Consulting Engineers, Inc., Bethel Park,
PA (ND, W)
Pajarito Scientific Corp., Santa Fe, NM (FI)
PAR Systems, LLC, Saint Paul, MN (C, EE, ND, U)
Paxton & Vierling Steel, Carter Lake, IA (Q, W)
Perma-Fix Environmental Services, Inc., Oak
Ridge, TN (Q, SI)
PHDS Co., Knoxville, TN (ND)
PMT Nuclear, Woodridge, IL (D, Q)
Precision Custom Components, LLC, York, PA (D,
ND, Q, W)
PROTEM USA, Evergreen, CO (P, W)
◆Radiation Safety & Control Services, Inc.,
Seabrook, NH (IS, P, PS, ST, TP)
REEL COH Inc., Canada (C)
Rich Industries Inc., New Philadelphia, OH
Rogante Engineering Office, Civitanova Marche,
Italy (ND)
Sargent & Lundy, Chicago, IL (D, IS, PS, Q, TP, VR)
Schulz Electric, Timken Power Systems, East
Haven, CT (C, EE, IS, ND)
Simpson Gumpertz & Heger (SGH), Chicago, IL
(C, D, IS, IA, MS, ND, P, PS, ST, TP, VR, W, U)
SKODA JS a.s., Plzen, Bolevec, Czech Republic
(The) (CR, IS, ND, W)
Howard L. Sobel, P.E., Oceanside, NY (Q)
Sonic Systems International, LLC, Houston, TX
(CR, C, D, IS, ND, P, PS, Q, TP, VR, W, U)
Southwest Research Institute, San Antonio, TX
(ND, P, TP, U)
System One, Pittsburgh, PA (IS, IA, ND, P, PS, Q,
SI, TP, VR, W)
Tap Report, Toronto, Ontario, Canada (SI)
Tetra Tech Inc., Richland, WA (Q)
The Delphi Groupe, Inc., Austin, TX (Q, SI)
◆Thermo Scientific - CIDTEC Cameras & Imagers,
(Part of Thermo Fisher Scientific), Liverpool, NY
(VR)
◆Underwater Construction Corp., (Underwater
Construction Corp. UK Ltd.), Essex, CT (ND, Q,
TP)
Underwater Engineering Services, Inc., (UESI),
Fort Pierce, FL (IS, IA, ND, P, PS, Q, TP, VR, W,
U)
Westinghouse Electric Co. LLC, Cranberry
Township, PA (CR, EE, FI, IS, ND, P, PS, Q, TP,
VR, W, U)

41000 Instrument Services

Advetage Solutions, El Segundo, CA
Berkeley Nucleonics Corp., San Rafael, CA
Centronic Ltd., Surrey, United Kingdom
Constellation PowerLabs, Coatesville, PA
Curtiss-Wright Nuclear Division, Brea, CA

Curtiss-Wright Nuclear Division, Enertech, Brea, CA

- ◆EnergySolutions, Salt Lake City, UT
Environmental Restoration Group, Inc.,
Albuquerque, NM
- EXCEL Services Corporation, Rockville, MD
- Framatome Inc., (North American Headquarters),
Lynchburg, VA
- GE Hitachi Nuclear Energy, Wilmington, NC
- HI-Q Environmental Products Company, Inc., San
Diego, CA
- Laboratory Services, (Div. of Consumers Energy),
Jackson, MI
- Mirion Technologies (Canberra) Inc., Meriden, CT
- NSSI/Recovery Services Inc., Houston, TX
- NUCON International, Inc., Columbus, OH
- Pajarito Scientific Corp., Santa Fe, NM
- Perma-Fix Environmental Services, Inc., Oak
Ridge, TN
- ◆Radiation Safety & Control Services, Inc.,
Seabrook, NH
- Volian Enterprises, Inc., Murrysville, PA
- VTT Technical Research Centre of Finland, VTT,
Finland
- Westinghouse Electric Co. LLC, Cranberry
Township, PA

41015 Instrumentation, Misc.

A Analyzer, Total Uranium (Water, Soils,
Bioassay)

AMEASOL - American Measurement Solutions
LLC, Santa Fe, NM (A)
Government Scientific Source, Reston, VA (A)
PHDS Co., Knoxville, TN (A)

- ◆Westinghouse Electric Company LLC,
(Westinghouse Parts Business), New Stanton, PA
(A)

41200 Insulation, Thermal

B Blanket
C Cable
CT Cable Tray
HT High-Temperature
MR Metal Reflective
N Nuclear Quality (Q Materials)
PT Pipe & Tube

Advanced Nuclear LLC, Aston, PA (B, C, CT, HT,
MR, N, PT)
Carolina Fabricators, West Columbia, SC (PT)
Centronic Ltd., Surrey, United Kingdom (HT, N)
Consolidated Power Supply, (Div. of Consolidated
Pipe & Supply Co., Inc.), Birmingham, AL (N, PT)
JSM Protective, Inc., Port St. Lucie, FL (B, HT)
Kanata Electronic Services Ltd., Division of
Shawcor Ltd., Toronto, Ontario, Canada (N)
MillenniTEK, LLC, Knoxville, TN (B, HT)
PMT Nuclear, Woodridge, IL (B, CT, HT, MR, N,
PT)
Transco Products Inc., Streator, IL (B, HT, MR, N,
PT)

- ◆Westinghouse Electric Company LLC,
(Westinghouse Parts Business), New Stanton, PA
(B, C, CT, HT, MR, N, PT)

**41700 Ion-Exchange Systems,
Materials & Services**

AVANTech, LLC, Knoxville, TN
Centronic Ltd., Surrey, United Kingdom
◆EnergySolutions, Salt Lake City, UT
Framatome Inc., (North American Headquarters),
Lynchburg, VA
NUCON International, Inc., Columbus, OH
NuSource LLC, Alexandria, VA
Tri Nuclear Corp., Troy, NY
Velia Nuclear Solutions - Federal Services,
Piketon, OH
Westinghouse Electric Co. LLC, Cranberry
Township, PA

44000 Laboratories, Mobile

- A Analytical Services, On-Site
 - E Environmental Analysis
- AMEASOL - American Measurement Solutions
LLC, Santa Fe, NM (A)
ANTECH Corp., Arvada, CO (A, E)
Constellation PowerLabs, Coatesville, PA (A)
◆EnergySolutions, Salt Lake City, UT (A)
Kinectrics Inc., Toronto, Ontario, Canada (A, E)
Lambda Technologies, Cincinnati, OH (A)
Merrick & Company, Greenwood Village, CO (A)
Mirion Technologies (Canberra) Inc., Meriden, CT
(A, E)
Perma-Fix Environmental Services, Inc., Oak
Ridge, TN (A, E)
◆Radiation Safety & Control Services, Inc.,
Seabrook, NH (A, E)
Tetra Tech Inc., Richland, WA (E)

45550 Lights, Lighting

C Construction
E Emergency
HC Hot Cell
L LED
P Pool, Nuclear
PB Portable, Battery-Powered
RF Reactor Floor
U Underwater

Ahlberg Cameras, Wilmington, NC (P, U)
BIRNS, Inc., Oxnard, CA (E, HC, P, RF, U)
BlackStarTech, Davenport, IA (E, PB)
Constellation PowerLabs, Coatesville, PA (E, PB)
Curtiss-Wright Nuclear Division, Brea, CA (E)
Curtiss-Wright Nuclear Division, QualTech NP,
Cincinnati, OH (E)
E.S. Fox Limited, Niagara Falls, Ontario, Canada
(C)
Eddyfi Technologies, Quebec City, Canada (U)
Framatome Inc., (North American Headquarters),
Lynchburg, VA (E, P, PB, RF, U)
Frham Safety Products, Inc., Nashville, TN (C, E,
PB)
James Fisher Technologies, Loveland, CO (HC)
Lights Camera Action, LLC, Gilbert, AZ (C, HC, P,
RF, U)
Master-Lee Engineered Products Inc., Latrobe, PA
(P, RF, U)
Mirion Technologies (IST) Corp., (Sensing Systems
Div.), Horseheads, NY (P, U)
Mirion Technologies, Inc., (Sensing Systems Div.),
Atlanta, GA (P, U)
Premier Technology, Inc., Blackfoot, ID (HC)
Radium Inc., Waynesboro, VA (C, E, HC, P, PB, RF,
U)
Sidus Solutions LLC, San Diego, CA (U)
◆Westinghouse Electric Company LLC,
(Westinghouse Parts Business), New Stanton, PA
(C, E, HC, P, PB, RF, U)

47400 Maintenance & Repair Services

BM Bolt-Maintenance
BB Bus Bar Insulating (Epoxy Coating)
C Concrete
CO Condenser
CN Construction
CR Control Rod Drives
CT Cooling Towers
CH Cranes & Hoists
DG Diesel Generators
E Electrical Equipment
EJ Expansion Joints
FP Freeze Plugging/Sealing (Pipe)
F Fuel Assemblies
FT Fuel Transfer Equipment
G General
HX Heat Exchangers
HV HVAC Equipment
H Hydraulic Equipment
LC Leak Repair, Concrete
LP Loose Parts Retrieval

MS Mechanical Seals
MO Motors, Electric
OM Outage Management Services
PS Penetration Seals
PI Pipe Cleaning, Internal (Bio-Fouling)
PR Pipe Repair & Replacement
PL Pool Liner Inspection & Repair
PT Post-Tensioning System Surveillance
PA Power Apparatus
PC Protective Coatings
PM Pump & Motor, Main Coolant
PU Pump Inspection & Repair
RM Radiation Measuring Devices & Systems
RS Radiation Shielding
RW Radiation-Shielding Windows
RI Reactor Internals
RF Refueling Equipment
RE Remote Inspection/Repair
RA Rotating Machinery Alignment
RO Rotating Machinery, Vibration Monitoring
(Predictive)
SC Screens, Traveling
ST Seal Table/Flux Thimbles
SS Security Systems, Anti-Intrusion
S Snubbers
SF Spent-Fuel Racks
SN Stud/Nut Removal
TC Tank Cleaning, Fuel Storage
TR Trash Racks
TS Tubesheet, Epoxy Cladding
U Underwater Repairs
VA Valve Actuators
VR Valve Repair, Recertification
VO Valve Testing, Off-Line
VT Valve Testing, On-Line
WI Water Intake Cavity Cleaning (Bio-Fouling)
Adam Brown Consulting, Inc., Cary, IL (OM, PS)
Advanced Consulting Group, Inc., Chicago, IL (RI,
RE, SN, U)
◆AECON-WACHS, (U.S. Div. of Aecon Nuclear),
Jackson, SC (BM, CO, CN, CT, CH, DG, E, EJ, FP,
F, FT, G, HX, HV, H, LC, LP, MS, MO, OM, PS, PI,
PR, PL, PT, PA, PC, PM, PU, SC, SF, SN, TC, TR,
VR)
Aggreko Ltd., Houston, TX (CT, DG, HX, HV, OM)
Allied Power, Baton Rouge, LA (BM, BB, C, CO,
CN, CR, CT, CH, DG, E, EJ, FP, F, FT, G, HX, HV,
H, LC, LP, MS, MO, OM, PS, PI, PR, PL, PT, PA,
PC, PM, PU, RM, RS, RW, RI, RF, RE, RA, RO,
SC, ST, SS, S, SF, SN, TC, TR, TS, U, VA, VR, VO,
VT, WI)
AMEASOL - American Measurement Solutions
LLC, Santa Fe, NM (RE)
American Crane & Equipment Corp.,
Douglassville, PA (CH, FT, RF)
ANTECH Corp., Arvada, CO (RM)
ASC Engineered Solutions, (formally known as
Anvil International, LLC), Exeter, NH (S, VA, VR)
ASI Marine, Orchard Park, NY (FT, PI, PR, TC, U,
WI)
ATS Industrial Automation, Inc. - Nuclear (UK),
Blaby, Leicester, United Kingdom (BM, FP, FT, RS,
RE, SN)
ATS Industrial Automation, Inc. - Nuclear (USA),
(ATS Ohio, Inc.), Lewis Center, OH (BM, FP, FT,
RS, RE, SN)
ATS Industrial Automation, Inc. Nuclear (Canada),
Cambridge, Ontario, Canada (BM, FP, FT, RS, RE,
SN)
AVANTech, LLC, Knoxville, TN (TC)
Bakelite Synthetics, Atlanta, GA (PC)
Barnhart Nuclear Services, Fairhope, AL (CH)
Basic E, Inc., Charlotte, VT (E, VA)
Beaudrey American Services, Loveland, CO (CO,
HX, SC, TR)
Bechtel, (Bechtel Power), (Bechtel Nuclear, Security
& Environmental), (Bechtel National), Reston, VA
(CN)
BHI Energy - now Westinghouse, See listing for
Westinghouse Electric Co., Cranberry Township,
PA (BM, CN, DG, E, EJ, G, HX, H, LC, OM, PS,
PI, PR, PC, PM, PU, RM, RF, RE, RA, RO, SS, VA,
VR, VO, VT)

- Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (CH, H, RS, RW)
- Black & Veatch, Overland Park, KS (CN, DG, E, G, HX, HV)
- Bureau Veritas Inspection & Insurance Co., Lynn, MA (VR)
- Carolina Fabricators, West Columbia, SC (S, SF)
- CBS Nuclear Services, Inc., Matthews, NC (E)
- Corrosion Control Services, Inc., Davenport, IA (OM)
- Cortec Corp., Saint Paul, MN (C, PC)
- Crane Nuclear PFT Corp., Kennesaw, GA (VA, VR, VO, VT)
- ◆ Curtiss-Wright EST Group, Hatfield, PA (CO, HX)
- Curtiss-Wright Nuclear Division, Brea, CA (BM, CO, CR, CT, CH, DG, E, EJ, FT, HX, HV, H, LP, MS, MO, OM, PS, PA, PM, PU, RS, RF, RE, RO, ST, S, SF, SN, VA, VR)
- Curtiss-Wright Nuclear Division, EnerTech, Brea, CA (EJ, HX, HV, H, MS, PU, S)
- Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH (BM, RF)
- Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (CO, CT, CH, DG, E, HV, LP, MS, MO, OM, PS, PA, PM, PU, RS, RE, RO, ST, S, VA, VR)
- Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (BM, CR, CH, FT, MO, OM, PS, RF, RE, SF, SN)
- Cutting Technologies (CTI), Gloucester City, NJ (C, CN)
- Day & Zimmermann, Philadelphia, PA (CN, CT, E, G, HX, MO, OM, PR, PM, PU, SS, S, VA, VO, VT)
- Dominion Engineering, Inc., Reston, VA (PI, PC)
- Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (C, CN, G, RS, RW, TR)
- E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (EJ, HX, H, PR, VA)
- E.S. Fox Limited, Niagara Falls, Ontario, Canada (BM, CN, CT, CH, HX, HV, MS, PR, RA, SF)
- ECU Corporation, Cincinnati, OH (HX, HV)
- Electro Static Technology, Mechanic Falls, ME (MS, PM)
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (S, VR, VO)
- Enercon Services, Inc., Kennesaw, GA (G, OM)
- Energy Steel, Rochester Hills, MI (HX)
- Engineered Rigging, Russellville, AR (PT)
- Environmental Restoration Group, Inc., Albuquerque, NM (RM)
- EXCEL Services Corporation, Rockville, MD
- Exitech Corp., Maryville, TN
- Five Star Products, Inc., Shelton, CT (C)
- Framatome Inc., (North American Headquarters), Lynchburg, VA (BM, CO, CR, CT, DG, E, F, FT, G, HX, H, LC, LP, MS, MO, OM, PS, PR, PL, PM, PU, RM, RI, RF, RE, RA, RO, SC, ST, SF, SN, TC, TS, U, VA, VR, VO, VT)
- Fuel Tank Maintenance Co., LLC, Cookeville, TN (C, CN, CT, DG, EJ, G, HV, LC, PI, PR, PL, PC, TC)
- FuseRing Inc., London, Canada (F, PR)
- GE Hitachi Nuclear Energy, Wilmington, NC (CT, E, F, MO, OM, RM, RI, RF, RE, SF, U)
- General Atomics Electromagnetic Systems, San Diego, CA (RM)
- ◆ Goodway Technologies, Stamford, CT (CO, CT, HX, HV, PI)
- Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (RM)
- Heat Exchanger Products Corp. (HEPCO), Hingham, MA (CO, HX, MS)
- Heatric Division of Meggitt (UK) Ltd., Poole, Dorset, United Kingdom (HX)
- Hennigan Engineering LLC, Hingham, MA (CO, HX, PI, TC, WI)
- ◆ Holtec International, Camden, NJ (CO, HX, SF)
- Hopewell Designs, Inc., Alpharetta, GA (RS)
- Hydro, Inc., (HydroAire Services Division), Chicago, IL (PM, PU, RA, RO)
- In-Place Machining Company, LLC, Blue Ash, OH (C, U)
- Integra Services Technologies Inc., Pasadena, TX (BM, H)
- ISEC Monitoring Systems AB, Helsingborg, Sweden (RE)
- ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (RM)
- James Fisher Technologies, Loveland, CO (RE, U)
- JNT Technical Services Inc., Little Ferry, NJ (CO, HX)
- K-Tek International Inc., Wilsonville, OR (VR, VO, VT)
- KCI Engineering Consultants, Downers Grove, IL
- Kinectrics Inc., Toronto, Ontario, Canada (C, E, LC, MO, OM, PI, PU, RS, RO, SC, VO, VT)
- Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (FT, RF)
- LUDECA, Inc., Doral, FL (RA, RO)
- MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (RS, RW)
- Master-Lee Engineered Products Inc., Latrobe, PA (HX, PM, RI, RF, ST, U)
- Miller Pipeline, Indianapolis, IN (FP, LC, MS, PR)
- Mirion Technologies (Canberra) Inc., Meriden, CT (RM)
- Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (MS, PS)
- Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (MS, PS, RM)
- National Electric Coil, Columbus, OH (DG, E, MO, PA, RO)
- NETCo, Windsor, ME (SS)
- Newark Wire Cloth Co., Cedar Grove, NJ (SC)
- Norbar Torque Tools, Inc., Willoughby, OH (BM, G, HX, PU, SN, VO)
- Nord-Lock Inc., Clinton, PA (BM, EJ)
- North Wind Group, Idaho Falls, ID (CT, G)
- Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (FT, G, RF, S, SF)
- NUCON International, Inc., Columbus, OH (HV)
- NuVision-HWM, Pittsburgh, PA (RE)
- Pajarito Scientific Corp., Santa Fe, NM (RS)
- PAR Systems, LLC, Saint Paul, MN (CH, FT, RF, RE, SF, TC)
- ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (CO, E, HX, HV, MO, PM, PU, RM, VA, VR)
- Perma-Fix Environmental Services, Inc., Oak Ridge, TN (OM, RM, RS, RW)
- ◆ Petersen Inc., Ogden, UT (CN)
- Pioneer Motor Bearing Co., Kings Mountain, NC (MO, RA, RO)
- Piping Technology & Products, Inc., Houston, TX (CO, EJ, HX, PS)
- Plastacor, Inc., Hingham, MA (CO, EJ, HX, PC, TS)
- PMT Nuclear, Woodridge, IL (EJ, HX, HV, VA)
- Precision Custom Components, LLC, York, PA (SF)
- Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (FP, FT, LP, MS, RS, RF)
- Premier Technology, Inc., Blackfoot, ID (HX, HV, PR, PC, RS, RW, SF)
- PROTEM USA, Evergreen, CO (DG, H, LP, MS, OM, PS)
- PTP Spent Fuel Services, LLC, Grand Island, NY (FT, SF)
- Radiation Protection Systems, (by Alpha Safety), Groton, CT (RS)
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (RM)
- REEL COH Inc., Canada (CH, RF)
- Rexon Components, Inc., Beachwood, OH (RM)
- Rich Industries Inc., New Philadelphia, OH (RS)
- Robatel Technologies, LLC, Roanoke, VA (RS)
- Sargent & Lundy, Chicago, IL (C, CO, CN, CT, E, G, HX, HV, OM, PC, PU, RO, S, VA, VR, WI)
- Schulz Electric, Timken Power Systems, East Haven, CT (CH, DG, E, MO, PA, RA, RO)
- Senior Flexonics Pathway, New Braunfels, TX (CO, EJ, HX, PS)
- SERCO USA, Evergreen, CO (BM, CN, CR, HX, LP, MS, PS, PR, PU, RI, RE, SN, TS, U, VR)
- SIET, Piacenza, Italy (VO, VT)
- SIFCO Applied Surface Concepts, Independence, OH (PC)
- Sigma Inc., Charlestown, IN (VT)
- Simpson Gumpertz & Heger (SGH), Chicago, IL (BM, C, CO, CH, EJ, LC, PI, PR, PL, PT, PC, SF)
- SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (CR, E, RI, SF)
- ◆ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (HV)
- Sulzer Management Ltd., (Sulzer Pumps (Canada) Inc.), Burnaby, British Columbia, Canada (MO, PU)
- ◆ Teledyne Brown Engineering, Inc., Huntsville, AL (VO, VT)
- The Delphi Groupe, Inc., Austin, TX (G, OM)
- The Merrick Group, Inc., West Hazleton, PA (CO, CT, EJ, G, HX, PI, PR, PC, ST, SN, TS, VA, VR)
- Thermal Engineering International (TEi), Cerritos, CA (CO, HX)
- Thorburn Flex Inc., Pointe-Claire, Quebec, Canada (EJ)
- Tranco Products Inc., Streator, IL (RS)
- Ultra Energy, (Weed Instrument), Round Rock, TX
- ◆ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (BM, FT, G, LP, PL, PC, RF, SC, SF, TR, U)
- Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (BM, C, CN, CT, FT, G, LC, LP, PI, PR, PL, PC, RI, RE, SC, S, SF, SN, TC, TR, U, WI)
- Valcor Engineering Corp., (Valcor Nuclear Div.), Springfield, NJ (VA)
- Westinghouse Electric Co. LLC, Cranberry Township, PA (BM, CO, CN, CR, CH, DG, E, EJ, F, FT, G, HX, H, LC, LP, MS, MO, OM, PS, PI, PR, PA, PC, PM, PU, RM, RS, RI, RF, RE, RA, RO, ST, SS, SF, SN, U, VA, VR, VO, VT)
- ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CR, DG, E, MO, PM, RA, VA, VR, VO, VT)
- Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (BM, BB, C, CO, CN, CR, CT, CH, DG, E, EJ, FP, G, HX, HV, H, LC, LP, MS, MO, OM, PS, PI, PR, PL, PT, PA, PC, PM, PU, RS, RW, RE, RA, RO, SC, ST, SS, S, SF, SN, TC, TR, TS, U, VA, VR, VO, VT, WI)

47600 Manipulators, Remote

- Advanced Consulting Group, Inc., Chicago, IL
- AMEASOL - American Measurement Solutions LLC, Santa Fe, NM
- ARES Security Corp., Vienna, VA
- ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom
- ATS Industrial Automation, Inc. - Nuclear (USA), (AT'S Ohio, Inc.), Lewis Center, OH
- ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada
- Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany
- Brokk AB, Skelleftea, Sweden
- ◆ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM
- Central Research Laboratories, Red Wing, MN
- Encorus Group, Springville, NY
- Framatome Inc., (North American Headquarters), Lynchburg, VA
- GE Hitachi Nuclear Energy, Wilmington, NC
- James Fisher Technologies, Loveland, CO
- Master-Lee Engineered Products Inc., Latrobe, PA
- Merrick & Company, Greenwood Village, CO
- Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom
- NuVision-HWM, Pittsburgh, PA
- PAR Systems, LLC, Saint Paul, MN
- PD Design Group, LLC, Lake Villa, IL
- Radium Inc., Waynesboro, VA
- Robatel Technologies, LLC, Roanoke, VA
- Tru-Motion Products, LLC, Cheyenne, WY
- ◆ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT

Veolia Nuclear Solutions - Federal Services, Piketon, OH
Walischmiller Engineering GmbH, Germany

47620 Mapping Services

- A Automated
- C Conventional

Geovariances, Avon, France (C)
Merrick & Company, Greenwood Village, CO (A, C)

- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (A)
- Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (A)

47630 Markers, Identification

Alphasource, Inc., Philadelphia, PA
Coastal Network, Inc., Charlottesville, VA
Frham Safety Products, Inc., Nashville, TN
JSM Protective, Inc., Port St. Lucie, FL
Tech Products, Inc., Staten Island, NY
Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA

51730 Meteorological Equipment

- A Anemometers
- B Barometers
- H Humidity Sensors
- P Precipitation Sensors
- SR Solar Radiation Sensors
- T Temperature Sensors

ENVINET GmbH, Munich/Haar, Germany (P)
Remtech Inc., The Villages, FL (A, T)

53950 Mockup Design & Fabrication

- CR Control Room
- E Equipment
- LR Local & Remote Control Panels

- ◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (E, LR)
- Arkitek Scientific, Paso Robles, CA (CR, E)
- AVANTech, LLC, Knoxville, TN (LR)
- Carolina Fabricators, West Columbia, SC (CR, E, LR)
- Curtiss-Wright Nuclear Division, Brea, CA (CR, E)
- Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CR, E)
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (E)
- Encorus Group, Springville, NY (CR, E, LR)
- Exitech Corp., Maryville, TN (CR, E, LR)
- Framatome Inc., (North American Headquarters), Lynchburg, VA (CR, E)
- GE Hitachi Nuclear Energy, Wilmington, NC (E)
- ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (LR)
- James Fisher Technologies, Loveland, CO (E)
- A. C. Macris, Consultants, Mystic, CT (CR, E)
- MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (CR, LR)
- Merrick & Company, Greenwood Village, CO (E)
- NuSource LLC, Alexandria, VA (E)
- NuVision-HWM, Pittsburgh, PA (CR, E, LR)
- OTEK Corp., Tucson, AZ (CR)
- PAR Systems, LLC, Saint Paul, MN (E)
- PD Design Group, LLC, Lake Villa, IL (E)
- Precision Custom Components, LLC, York, PA (E)
- Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (E)
- Premier Technology, Inc., Blackfoot, ID (E)
- PROTEM USA, Evergreen, CO (E)
- ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (E)
- Radiological Solutions Inc., Rockdale, IL (E)
- Siempelkamp NIS, Alzenau, Germany (E)
- SJET, Piacenza, Italy (E)
- Studsvik, Inc., Sandy Springs, GA (E)

TRAD - RayXpert, Labège cedex, France (CR, E, LR)
Veolia Nuclear Solutions - Federal Services, Piketon, OH (E, LR)
VTT Technical Research Centre of Finland, VTT, Finland (CR, E)
◆ Wagstaff Applied Technologies, Spokane, WA (CR, E, LR)
Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (CR)

54750 Monitors, Other Than Radiation

- AI Air In-Leak
- CC Cable Condition
- CV Check Valve
- C Chlorine
- CW Cooling Water System
- CO Corrosion
- FE Filter Efficiency
- F Fuel Element (Ex-Reactor)
- G Gas
- HL Humidity, Integrated Leak Rate Test
- IL In-Line Process
- LP Loose Parts
- MC Machinery Condition
- N Noise
- SW Service Water System
- T Temperature
- V Vibration
- WC Water Chemistry
- W Weld

AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (IL)
Aquasol Corp., North Tonawanda, NY (W)
ASI Marine, Orchard Park, NY (W)
Automation Products, Inc., (Dynatrol Div.), Houston, TX (IL)
AVANTech, LLC, Knoxville, TN (SW, WC)
CM Technologies Corp., Coraopolis, PA (CC)
Curtiss-Wright Nuclear Division, Brea, CA (AI, CV, CO, T, V, WC)
Curtiss-Wright Nuclear Division, Enertech, Brea, CA (AI, CV, T, V)
Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CO, WC)
Dominion Engineering, Inc., Reston, VA (F)
Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (C)
FCI-Fluid Components International, San Marcos, CA (AI)
Framatome Inc., (North American Headquarters), Lynchburg, VA (CV, C, CW, F, IL, LP, MC, N, T, V, WC)
Gassew Associates, Inc., Glen Mills, PA (CC, T)
GE Hitachi Nuclear Energy, Wilmington, NC (F)
GLSEQ, LLC, Huntsville, AL (CC, G, IL, LP, N, T, V)
ISEC Monitoring Systems AB, Helsingborg, Sweden (N)
JSM Protective, Inc., Port St. Lucie, FL (T)
KCI Engineering Consultants, Downers Grove, IL (CC)
Kinectrics Inc., Toronto, Ontario, Canada (CC, CO, WC)
LND, Inc., Oceanside, NY (IL)
LUDECA, Inc., Doral, FL (AI, MC, V)
Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (F, LP, N, T)
Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (F, LP, N, T)
Nextteq International LLC, Nextteq, Tampa, FL (C, G)
NUCON International, Inc., Columbus, OH (AI, FE)
OTEK Corp., Tucson, AZ (CW, T, V)
Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (G)
Radiological Solutions Inc., Rockdale, IL (CO, WC)
Sentry Equipment Corp., Oconomowoc, WI (IL, WC)
Sidus Solutions LLC, San Diego, CA (CW, SW)
Sigma Inc., Charlestown, IN (CV)

Simpson Gumpertz & Heger (SGH), Chicago, IL (AI, CC, CO, V, W)
Syscom Instruments S.A., Sainte-Croix, Switzerland (V)
◆ Teledyne Brown Engineering, Inc., Huntsville, AL (G)
THERMOCOAX Inc., Alpharetta, GA (T)
Westinghouse Electric Co. LLC, Cranberry Township, PA (LP, T, V)

55040 Monitors, Radiation, Area & Special-Purpose

- AA Air, Alpha, Continuous
- AP Air, Particulate
- AF Automated Floor Survey System
- B Bag
- CW Conveyorized Waste
- DB Drum/Barrel
- FA Fixed-Area
- F Floor Contamination
- FC Food Contamination
- GE Gas Effluent
- G Gate
- LE Liquid Effluent
- M Microwave & RF Radiation
- MA Mobile (Aircraft)
- MV Mobile (Vehicular)
- OS Outstations
- P Perimeter
- PL Pipe/Lumber
- PS Portable Survey Meters
- R Radon
- S Scrap, Radioactive
- T Tool
- TR Tritium
- TP Tritium, Portable
- U Underwater

Advetage Solutions, El Segundo, CA (AA, AP, AF, DB, FA, F, PS, R, TR, TP, U)
AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (CW, F, MV, PL, PS, S)
ANTECH Corp., Arvada, CO (B, CW, DB, OS, S)
ARES Security Corp., Vienna, VA (MV, P)
Aurum Technologies, Blackfoot, ID (PS)
AVANTech, LLC, Knoxville, TN (LE)
Berkeley Nucleonics Corp., San Rafael, CA (M)
Bot Engineering Ltd, Campbellville, Ontario, Canada (AA, AP, B, CW, DB, FA, F, GE, G, LE, P, PS, T, TR, TP, U)
Coastal Network, Inc., Charlottesville, VA (AP, PS)
Cutting Technologies (CTI), Gloucester City, NJ (F)
◆ EnergySolutions, Salt Lake City, UT (B, CW, DB, F, PS, S)
ENVINET GmbH, Munich/Haar, Germany (AP, FA, MA, MV, OS, P, U)
Environmental Restoration Group, Inc., Albuquerque, NM (AF, F, MA, MV, PS, R)
◆ F&J SPECIALTY PRODUCTS, INC., Ocala, FL (AP, R)
FabOhio, Inc., Uhrichsville, OH (B)
FCI-Fluid Components International, San Marcos, CA (AP, GE, LE)
Framatome Inc., (North American Headquarters), Lynchburg, VA (MV)
Gamma Reality Inc., Richmond, CA (MA, MV)
GE Hitachi Nuclear Energy, Wilmington, NC (GE, P)
General Atomics Electromagnetic Systems, San Diego, CA (AA, AP, FA, GE, LE, MV, P, R, TR)
GLSEQ, LLC, Huntsville, AL (PS)
Government Scientific Source, Reston, VA (AA)
H3D, Inc., Ann Arbor, MI (FA, MA, MV, PS, S, U)
Health Physics Instruments, (Div. of Far West Technology), Goleta, CA (PS)
HI-Q Environmental Products Company, Inc., San Diego, CA (AA, AP, F, GE, P, PS, R, TR, TP)
James Fisher Technologies, Loveland, CO (AA, AP, CW, DB, FA, G, S, T)
JSM Protective, Inc., Port St. Lucie, FL (PS)

Kinectrics Inc., Toronto, Ontario, Canada (AP, TR)
 LabLogic Systems, Inc., Tampa, FL (PS)
 LND, Inc., Oceanside, NY (AP, DB, FA, F, FC, GE, G, LE, P, PL, PS, R, S, T, TR, TP, U)
 Ludlum Measurements, Inc., Sweetwater, TX (F, G, PS, S, TP, U)
 Mirion Technologies (Canberra) Inc., Meriden, CT (AA, AP, CW, DB, FC, GE, LE, MV, OS, P, PS, R, S, T, TR, TP)
 Mirion Technologies (MGP H&B) GmbH, (Mirion Technologies), Munich, Germany (AP, DB, FA, GE, LE)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (AF, B, F, GE, G, LE, MA, MV, P, PL, PS, R, S, T, TR, U)
 Mound Technical Solutions, Inc., Miamisburg, OH (TR, TP)
 NUCON International, Inc., Columbus, OH (AP, GE, LE)
 ORTEC, Oak Ridge, TN (AP, B, CW, DB, FA, G, LE, MV, P, PL, PS)
 Overhoff Technology Corp., (A Div. of US Nuclear Corp.), Milford, OH (AA, B, DB, FA, GE, LE, R, T, TR, TP)
 Pajarito Scientific Corp., Santa Fe, NM (AF, B, CW, DB, FC, MA, MV, S, U)
 PHDS Co., Knoxville, TN (MA, MV)
 Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada (AA, AP, F, PS, R)
 RadComm Systems, Oakville, Ontario, Canada (CW, DB, FA, G, MV, PS, R, S)
 ♦Radiation Safety & Control Services, Inc., Seabrook, NH (AA, AP, AF, FA, F, PS, R, TR)
 Radiological Solutions Inc., Rockdale, IL (PL, PS)
 ReNuke, Oak Ridge, TN (AA, AP, F, P, PS, R)
 Rexon Components, Inc., Beachwood, OH (AA, AP, FA, F, GE, G, P, R, S, TR, TP, U)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (FA, PS, R)
 S.E. International, Inc., Summertown, TN (PS)
 Staplex - Air Sampler Div., Brooklyn, NY (AP)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (AA, AP, AF, B, CW, DB, FA, F, FC, GE, G, LE, MA, MV, P, PS, R, S, T, TR, TP, U)
 Ultra Energy, (Weed Instrument), Round Rock, TX (AA, FA, GE, LE)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (B)
 ♦UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (M, S)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (AA, AP, B, CW, DB, FA, F, FC, GE, G, LE, MA, MV, P, PL, PS, R, S, T, TR, TP, U)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (AP, GE, LE)

55060 Monitors, Radiation, Personnel

AL Audible Alarm (Electronic)
 D Doorway
 FB Film Badges, Films
 HF Hand-and-Foot
 PI Pocket Ion Chambers
 TL Thermoluminescent Dosimeters (TLD)
 WB Whole-Body
 WM Whole-Body, Mobile
 Advetage Solutions, El Segundo, CA (HF, PI, TL)
 Aurum Technologies, Blackfoot, ID (AL, WM)
 Bot Engineering Ltd, Campbellville, Ontario, Canada (AL)
 Coastal Network, Inc., Charlottesville, VA (PI)
 ENVINET GmbH, Munich/Haar, Germany (AL)
 Environmental Restoration Group, Inc., Albuquerque, NM (D)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (WB)
 General Atomics Electromagnetic Systems, San Diego, CA (AL)
 Government Scientific Source, Reston, VA (PI, TL)
 HI-Q Environmental Products Company, Inc., San Diego, CA (HF, WB)

James Fisher Technologies, Loveland, CO (AL, D, HF, PI, WB, WM)
 LND, Inc., Oceanside, NY (AL, D, HF, PI, WB)
 Ludlum Measurements, Inc., Sweetwater, TX (D, HF, WB)
 Mirion Technologies (Canberra) Inc., Meriden, CT (AL, HF, WB)
 ORTEC, Oak Ridge, TN (D, HF, WB)
 RadComm Systems, Oakville, Ontario, Canada (D)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (FB, TL, WB)
 ♦Radiation Safety & Control Services, Inc., Seabrook, NH (AL, FB, PI, TL)
 ReNuke, Oak Ridge, TN (PI, TL)
 Rexon Components, Inc., Beachwood, OH (D, HF, TL, WB)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (PI, TL)
 S.E. International, Inc., Summertown, TN (PI)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (AL, D, HF, PI, WB)
 ♦UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (AL)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (AL, D, HF, PI, WB)

55490 Neutron Absorbers

BA Boric Acid
 BC Boron Carbides
 CE Boron Carbides, Enriched (B-10)
 BN Boron, Natural
 BE Boron, Enriched (B-10, B-11)
 OB Other Boron Compounds
 BP Burnable Poisons
 C Cadmium
 CS Cadmium Sulfide
 E Encapsulated
 GD Gadolinium
 G Grain
 IM In Matrixes
 MM Metal Matrix Composites
 MS Molded Shapes
 P Pellets
 PL Plates
 3M Technical Ceramics, Inc., Quapaw, OK (BA, BC, CE, BN, BE, OB, BP, MM, P, PL)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (BA, BC, BN, E, MS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (BP, GD)
 Free Form Fibers, Saratoga Springs, NY (BC, MM)
 GE Hitachi Nuclear Energy, Wilmington, NC (BP, GD, P)
 Hopewell Designs, Inc., Alpharetta, GA (IM, MS)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (E, P)
 MillenniTEK, LLC, Knoxville, TN (BC, CE, BN, BE, OB, BP, MM, P, PL)
 ♦NAC International Inc., Peachtree Corners, GA (MS)
 Nuclear Shielding Supplies & Service, Tucson, AZ (BC)
 Premier Technology, Inc., Blackfoot, ID (BC)
 Robatel Technologies, LLC, Roanoke, VA (E, IM, MS, PL)
 THERMOCOAX Inc., Alpharetta, GA (BP)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (BC, CE, BE, BP, C, GD, MS)

56600 Nondestructive Testing

AC Acoustic Emission
 EC Eddy Current
 E Equipment Scales
 DP Dye Penetrant
 FP Fluorescent Penetrant
 FL Flux Leakage
 GP Ground Penetrating Radar
 I Infrared
 MP Magnetic Particle

R Radiographic
 RT Radiographic, Real-Time Imaging
 RS Residual Stress
 S Services
 U Ultrasonic
 UW Underwater

American Crane & Equipment Corp., Douglassville, PA (DP, MP)
 Andritz AG, Graz, Austria (AC, DP, MP, R, S, U)
 Carolina Fabricators, West Columbia, SC (DP, MP, R, U)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (DP, FP, MP, R, S, U)
 Curtiss-Wright Nuclear Division, Brea, CA (EC, E, DP, FP, I, MP, S, U)
 Curtiss-Wright Nuclear Division, Anatec, Brea, CA (EC, DP, FP, MP, S, U)
 Curtiss-Wright Nuclear Division, EnerTech, Brea, CA (E, S)
 Curtiss-Wright Nuclear Division, LMT, Hutchinson, MN (EC, DP, MP, U)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (I)
 Cutting Technologies (CTT), Gloucester City, NJ (GP)
 Day & Zimmermann, Philadelphia, PA (S)
 DuBose National Energy Services, Inc., Clinton, NC (EC, DP, FP, MP, R, U)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (DP, FP, MP, S, U)
 Eddyfi Technologies, Quebec City, Canada (EC, E, FL, U, UW)
 Elcometer, Inc., Warren, MI (EC, U)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (DP)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (DP, MP, U)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (AC, EC, E, DP, FP, FL, MP, R, RT, RS, S, U, UW)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (EC, DP, FP, FL, I, MP, R, RT, RS, S, U)
 GE Hitachi Nuclear Energy, Wilmington, NC (EC, DP, R, S, U)
 GEI Consultants, Inc., Woburn, MA (GP)
 GLSEQ, LLC, Huntsville, AL (S)
 H3D, Inc., Ann Arbor, MI (RT)
 Hennigan Engineering LLC, Hingham, MA (U)
 Hydro, Inc., (HydroAire Services Division), Chicago, IL (DP, MP, U)
 In-Place Machining Company, LLC, Blue Ash, OH (DP)
 Integra Services Technologies Inc., Pasadena, TX (U, UW)
 Intertek, Santa Clara, CA (EC, DP, MP, R, U)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (R, RT)
 James Fisher Technologies, Loveland, CO (AC, EC, E, DP, FP, FL, GP, MP, R, RT, RS, S, U, UW)
 JME Technologies, Crystal Lake, IL (E)
 JNT Technical Services Inc., Little Ferry, NJ (I)
 Joseph Oat Corp., Camden, NJ (EC, DP)
 Kinectrics Inc., Toronto, Ontario, Canada (EC, S, U)
 Laboratory Services, (Div. of Consumers Energy), Jackson, MI (AC, EC, DP, FP, I, MP, R, S, U)
 Lambda Technologies, Cincinnati, OH (DP, FP, RS)
 Major Tool & Machine, Indianapolis, IN (DP, FP, MP, R, S, U)
 Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (DP, MP, U)
 NUCON International, Inc., Columbus, OH (S)
 Pajarito Scientific Corp., Santa Fe, NM (E, RT)
 PAR Systems, LLC, Saint Paul, MN (EC, I, R, U, UW)
 Paxton & Vierling Steel, Carter Lake, IA (DP, MP, U)
 ♦Petersen Inc., Ogden, UT (DP, MP, R, U)
 Precision Custom Components, LLC, York, PA (AC, EC, DP, FP, MP, R, S, U)
 Premier Technology, Inc., Blackfoot, ID (EC, DP, MP, R, U)

River Technologies, LLC, Forest, VA (E)
 Rogante Engineering Office, Civitanova Marche, Italy (R, RS)
 Sargent & Lundy, Chicago, IL (S)
 Schulz Electric, Timken Power Systems, East Haven, CT (DP, FP, I, MP, S, U)
 Senior Flexonics Pathway, New Braunfels, TX (DP, MP, R)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (EC, DP, FP, MP, R, U)
 Sonic Systems International, LLC, Houston, TX (EC, DP, FP, FL, MP, R, S, U, UW)
 Southwest Research Institute, San Antonio, TX (AC, EC, E, DP, GP, MP, R, S, U, UW)
 System One, Pittsburgh, PA (EC, DP, FP, GP, I, MP, R, RT, RS, S, U)
 Technisonic Research Inc., Fairfield, CT (U)
 Technology for Energy Corp., Knoxville, TN (RS)
 The Merrick Group, Inc., West Hazleton, PA (EC)
 Thermal Engineering International (TEI), Cerritos, CA (EC)
 ◆ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (U)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (S, U, UW)
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (RS, S)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (EC, E, DP, FP, I, MP, S, U, UW)

58000 Particle-Measuring Instruments

Framatome Inc., (North American Headquarters), Lynchburg, VA
 GE Hitachi Nuclear Energy, Wilmington, NC
 Government Scientific Source, Reston, VA
 HI-Q Environmental Products Company, Inc., San Diego, CA
 Mirion Technologies (Canberra) Inc., Meriden, CT
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA
 ORTEC, Oak Ridge, TN
 RADECO, Inc., Plainfield, CT
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO
 VTT Technical Research Centre of Finland, VTT, Finland

59800 Pipe

CS Carbon Steel, Seamless
 CM Chrome Moly
 CG Commercial Grade Dedication
 CO Copper
 L Lead
 NC Nickel-Cobalt, Seamless
 PL Plastic-Lined
 SL Seamless
 S Stainless
 SS Stainless, Seamless
 T Titanium
 TS Titanium, Seamless
 Z Zirconium
 ZS Zirconium, Seamless

◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (CS, S)
 AVANTech, LLC, Knoxville, TN (S)
 ◆ Burns & McDonnell, Kansas City, MO (CS, CM, S) Carolina Fabricators, West Columbia, SC (CS, CM, CO, NC, SL, S, SS, T, TS)
 Centronic Ltd., Surrey, United Kingdom (CS, CG, CO, L, NC, SL, S, SS, T, TS, Z, ZS)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (CS, CM, CO, L, NC, PL, SL, S, SS, T, TS, Z, ZS)
 DuBose National Energy Services, Inc., Clinton, NC (CS, CM, CO, L, NC, PL, SL, S, SS, T, TS, Z, ZS)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (CS, CM, CO, L, NC, PL, SL, S, SS, T, TS, Z, ZS)

Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (CS, CM, CO, NC, PL, SL, S, SS, T, TS, Z, ZS)
 Energy Steel, Rochester Hills, MI (CS, CM, CO, L, NC, PL, T, TS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (SL, S, SS, Z, ZS)
 FuseRing Inc., London, Canada (CS, SL, S, SS, T, TS, Z, ZS)
 H. Butting GmbH & Co. KG, Wittingen-Knesebeck, Germany (S, T)
 Joseph Oat Corp., Camden, NJ (CS, CM, CO, SL, S, SS, T, TS, Z, ZS)
 Lincoln Structural Solutions, Louisville, NE (CS, SL, S, SS)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (L)
 PMT Nuclear, Woodridge, IL (CS, CO, L, NC, PL, SL, S, SS, T, TS)
 Seafab Metals Co., (Div. of The Doe Run Co.), Casa Grande, AZ (L)
 Swagelok Company, Solon, OH (SS)
 Tioga Pipe, Philadelphia, PA (CS, CM, NC, PL, SL, S, SS, T, TS, Z, ZS)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (CS, CM, CO, NC, PL, SL, S, SS, T, TS, Z, ZS)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (Z, ZS)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CS, CM, CO, L, NC, PL, SL, S, SS, T, TS, Z, ZS)

59850 Pipe & Tube Machinery & Equipment

B Bending, Pipe
 BT Bending, Tube
 BP Beveling, Pipe
 BV Beveling, Tube
 CR Crimpers, Tube
 CP Cutting, Pipe
 CT Cutting, Tube
 CI Cutting, In-Place
 EH Expanders, Tube, Hydraulic
 EM Expanders, Tube, Mechanical
 EJ Expansion Joints
 F Fittings
 IT Instrumentation Tubing, Orbital Welding
 PO Primary, Orbital TIG Welding
 RS Rounding & Sizing
 T Threading, Pipe
 W Weld End Preparation

◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (B, BT, BP, BV, CR, CP, CT, CI, EH, EM, IT, PO, T, W)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicestershire, United Kingdom (CP, CT, CI)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (CP, CT, CI)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (CP, CT, CI)
 ◆ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (CP, CT, CI)
 ◆ Burns & McDonnell, Kansas City, MO (RS) Carolina Fabricators, West Columbia, SC (B, BT, BP, BV, CR, CP, CT, CI, EH, EM, IT, PO, RS, T, W)
 Centronic Ltd., Surrey, United Kingdom (CP, CT) Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (B, BT, BP, BV, CR, CP, CT, CI, EH, EM, IT, PO, RS, T, W)
 DuBose National Energy Services, Inc., Clinton, NC (B)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (BP, BV, CP, CT, CI, IT, PO, W)
 EFCO USA, Inc., Charlotte, NC (PO)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CT, CI, EH, EM, PO, W)
 James Fisher Technologies, Loveland, CO (CI)
 Magnatech LLC, East Granby, CT (IT, PO)
 PMT Nuclear, Woodridge, IL (B, BT, BP, BV, CP, CT, PO, T)

PROTEM USA, Evergreen, CO (CR, EH, EM, RS)
 SERCO USA, Evergreen, CO (BP, BV, CR, CP, CT, CI, EH, EM, IT, PO, RS, T, W)
 Swagelok Company, Solon, OH (IT, PO)
 ◆ Teledyne Brown Engineering, Inc., Huntsville, AL (B, CP)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (B, BT, BP)
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (B, BT, BP, BV, CR, CP, CT, CI, RS, T, W)

60100 Pipe Hangers & Supports

◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC
 ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH
 Carolina Fabricators, West Columbia, SC
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
 DuBose National Energy Services, Inc., Clinton, NC
 E.S. Fox Limited, Niagara Falls, Ontario, Canada
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA
 Fronek - Anchor Darling Enterprises, Inc., (Sub. of Piping Technology & Products, Inc.), Laconia, NH
 Integra Services Technologies Inc., Pasadena, TX
 James C. White Company, Inc., Greenville, SC
 Lincoln Structural Solutions, Louisville, NE
 NuSource LLC, Alexandria, VA
 Piping Technology & Products, Inc., Houston, TX
 PMT Nuclear, Woodridge, IL
 ◆ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA
 Tioga Pipe, Philadelphia, PA
 Trust Manufacturing, LLC, Euclid, OH
 ◆ Wagstaff Applied Technologies, Spokane, WA
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

61570 Plugs

CT Condenser Tube
 CR Control Rod Drive Housing
 FH Feedwater Heater
 F Freeze Plugs
 HL Hot & Cold Leg (Remotely Installed)
 I Isolation
 MS Main Steam Line
 MR Moisture Separator Reheater
 P Pipeline
 RP Reactor Pressure Vessel Drain Line
 RV Reactor Vessel Nozzle
 RO Recirculation Outlet Nozzle
 SL Steamline (Remotely Installed)
 SH Stud Hole
 ST System Test

◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (CT)
 Alphasource, Inc., Philadelphia, PA (I, P)
 Aqualol Corp., North Tonawanda, NY (P)
 Carolina Fabricators, West Columbia, SC (CT, FH, HL, MS, P, RP, RV)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (CT, CR, FH, I, RO, SH)
 ◆ Curtiss-Wright EST Group, Hatfield, PA (CT, FH)
 Curtiss-Wright Nuclear Division, Brea, CA (CT, CR, FH, HL, I, MS, P, RP, RV, RO, SL, SH)
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH (CR, I, RP, RO, SH)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CT, CR, FH, HL, I, MS, P, RP, RV, RO, SL, SH)

DuBose National Energy Services, Inc., Clinton, NC (CT, CR, FH, I, P, RP, RV, SL, SH, ST)
 Eddyfi Technologies, Quebec City, Canada (P)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (CT, F, P, RV)
 Energy Steel, Rochester Hills, MI (CR, I, MR)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CT, CR, FH, RV, SH)
 Heat Exchanger Products Corp. (HEPCO), Hingham, MA (CT)
 Hennigan Engineering LLC, Hingham, MA (CT)
 JNT Technical Services Inc., Little Ferry, NJ (CT, FH, MR, SH)
 Master-Lee Engineered Products Inc., Latrobe, PA (SH)
 Perma-Type Rubber, Plainville, CT (I, P)
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (CT, CR, FH, F, HL, I, MS, MR, P, RP, RV, RO, SL, SH, ST)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (P)
 Thermal Engineering International (TEi), Cerritos, CA (CT, FH, MR)
 Trust Manufacturing, LLC, Euclid, OH (CT, SH)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (CT, FH, MR)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CT, CR, FH, F, HL, I, MS, MR, P, RP, RV, RO, SL, SH, ST)

63400 Power Supplies

AC AC
 C Chargers, Battery
 DC DC
 HF High-Frequency

HV High-Voltage
 I Instrument
 IN Inverters
 PL Power Line Conditioner
 S Stand-by
 U Uninterruptible (AC-DC-AC)
 Aggreko Ltd., Houston, TX (AC, DC, HF, HV, S)
 AVANTech, LLC, Knoxville, TN (AC, DC, I, U)
 Basic E, Inc., Charlotte, VT (AC, DC, HF, HV, I, PL, S, U)
 Black & Veatch, Overland Park, KS (S)
 BlackStarTech, Davenport, IA (AC, DC, HF, HV, S, U)
 Curtiss-Wright Nuclear Division, Brea, CA (AC, DC, HV, I, PL, S, U)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (AC, DC, HV, I, PL, S, U)
 Curtiss-Wright Nuclear Division, Sciencetech, Idaho Falls, ID (AC, DC, I)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (AC, DC, U)
 Gutor Technologies LLC, Houston, TX (C, I, IN, PL, U)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (U)
 ORTEC, Oak Ridge, TN (I)
 ♦ Paragon Energy Solutions, (Paragon), Fort Worth, TX (AC, C, DC, HF, HV, I, IN, PL, S, U)
 Schaefer Electronics, Inc., Hopkinton, MA (AC, C, DC, HV, IN, PL, S)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (AC, DC, HF, HV, I, PL, S, U)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (AC, DC, HF, HV, I, PL, S, U)
 Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (U)

64300 Protective Coverings & Tarpaulins

Alphasource, Inc., Philadelphia, PA
 JSM Protective, Inc., Port St. Lucie, FL
 Lancs Industries, Albuquerque, NM
 ♦ Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX
 Rich Industries Inc., New Philadelphia, OH
 ♦ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN

64700 Pumps, Centrifugal

CW Condensate & Circulating Water
 E3 Engineered Class III
 HD Heater Drain
 NR Non-Code Radwaste
 N2 Nuclear Class II
 PC Primary Coolant
 RF Reactor Feed
 SW Service Water, Non-Code
 SN Service Water, Nuclear Class III
 SC Small Class III Including Radwaste
 Andritz AG, Graz, Austria (N2, PC, RF, SW, SN, SC)
 Electro Static Technology, Mechanic Falls, ME (PC)
 Energy Steel, Rochester Hills, MI (CW, E3, N2, SC)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CW, PC, RF)
 Hayward Tyler, Colchester, VT (CW, E3, HD, NR, N2, PC, RF, SW, SN, SC)
 Hydro, Inc., (HydroAire Services Division), Chicago, IL (CW, HD, NR, N2, PC, RF, SW, SN, SC)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (NR)
 ♦ Paragon Energy Solutions, (Paragon), Fort Worth, TX (CW, E3, HD, NR, N2, PC, RF, SW, SN, SC)
 Rotating Equipment Repair, Sussex, WI (CW, E3, HD, NR, N2, PC, RF, SW, SN, SC)
 Sulzer Management Ltd., (Sulzer Pumps (Canada) Inc.), Burnaby, British Columbia, Canada (CW, E3, HD, N2, PC, RF, SW, SN)
 Sulzer Pumps (US) Inc., Chattanooga, TN (CW, E3, HD, N2, PC, RF, SW, SN)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (E3, N2, PC, RF, SN, SC)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CW, E3, HD, NR, N2, PC, RF, SW, SN, SC)

64750 Pumps, Other

A Air-Operated
 CL Cleanup
 CA Containment Air/Gas Sampling
 DH Diaphragm, Hydraulically Actuated
 FP Fire Protection
 HO Hand-Operated
 HP High-Pressure
 HY Hydraulic
 J Jet
 MP Metering & Proportioning
 PD Positive-Displacement
 SR Sealless Reciprocating
 SL Slurry
 SO Sodium
 SP Special-Purpose
 V Vacuum
 Andritz AG, Graz, Austria (HP, HY)
 AVANTech, LLC, Knoxville, TN (A, CL, MP, PD, SL, V)
 Basic E, Inc., Charlotte, VT (DH, MP, PD, SP)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (SL, SP)
 Curtiss-Wright Nuclear Division, Brea, CA (A, HY)
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH (A, HY)

Custom Coverage.



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- D-Ring Lift & Tie Downs
- Velcro Closures
- Multi-Component Covers

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E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (HY)
 Energy Steel, Rochester Hills, MI (HP, PD)
 F.E. Moran Special Hazard Systems, Northbrook, IL (FP)

◆F&J SPECIALTY PRODUCTS, INC., Ocala, FL (CA, V)
 GE Hitachi Nuclear Energy, Wilmington, NC (J)
 Hayward Tyler, Colchester, VT (HP, SL, SP)
 HI-Q Environmental Products Company, Inc., San Diego, CA (CA, V)
 Hydro, Inc., (HydroAire Services Division), Chicago, IL (HP, HY, PD, SR, SL)
 Integra Services Technologies Inc., Pasadena, TX (HP, HY)
 Lancs Industries, Albuquerque, NM (HO)
 Nextteq International LLC, Nextteq, Tampa, FL (CA)
 ORTEC, Oak Ridge, TN (V)

◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (A, DH, HO, HY, PD, SO, V)
 RADECO, Inc., Plainfield, CT (CA, SP, V)
 Radiological Solutions Inc., Rockdale, IL (HP, MP, PD)
 Rotating Equipment Repair, Sussex, WI (HP, SL, V)
 Schutte and Koerting, Trevese, PA (J, V)
 Sulzer Management Ltd., (Sulzer Pumps (Canada) Inc.), Burnaby, British Columbia, Canada (HP, SO, SP)
 Transco Products Inc., Streator, IL (FP)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (PD, SL, SP)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (A, CA, DH, HO, HP, HY, J, MP, PD, SR, SL, SO, SP, V)

66280 Racks, Fuel Storage

C Conventional
 HD High-Density
 Babcock Services, Inc., Kennewick, WA (C, HD)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (HD)
 Carolina Fabricators, West Columbia, SC (C, HD)
 Curtiss-Wright Nuclear Division, Brea, CA (C)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (C)
 DuBose National Energy Services, Inc., Clinton, NC (C)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (C, HD)
 Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain (C, HD)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C, HD)
 GE Hitachi Nuclear Energy, Wilmington, NC (C, HD)
 H. Butting GmbH & Co. KG, Wittingen-Knesebeck, Germany (C, HD)
 ◆Holtec International, Camden, NJ (C, HD)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (HD)
 Joseph Oat Corp., Camden, NJ (C, HD)
 Major Tool & Machine, Indianapolis, IN (C, HD)
 Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (C)
 Nuclear Shielding Supplies & Service, Tucson, AZ (HD)
 NuSource LLC, Alexandria, VA (C)
 PAR Systems, LLC, Saint Paul, MN (C, HD)
 Precision Custom Components, LLC, York, PA (C, HD)

Simpson Gumpertz & Heger (SGH), Chicago, IL (C, HD)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (C)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (C)
 ◆Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (HD)
 ◆Wagstaff Applied Technologies, Spokane, WA (C)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (C, HD)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (C, HD)

67380 Radiation Monitoring Services

A Analog Systems
 DR Design, Retrofit
 D Digital Systems
 M Maintenance
 MO Mobile (Vehicular)
 SE Sample Encapsulation
 SS Smear Sampling, Area/Environmental
 TC Testing & Calibration
 Advteq Solutions, El Segundo, CA (SS, TC)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (MO)
 Applied Science Professionals, LLC, (ASP-LLC), Salt Lake City, UT (TC)
 ARES Security Corp., Vienna, VA (MO)
 Aurum Technologies, Blackfoot, ID (DR, D, MO)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (A, DR, D, M, MO, SS, TC)
 Campoverde srl, Milano, Italy (SS, TC)
 Curtiss-Wright Nuclear Division, Brea, CA (DR)



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Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (DR)
 Eckert & Ziegler Analytics, Atlanta, GA (SS)
 Enercon Services, Inc., Kennesaw, GA (DR, D, TC)
 General Atomics Electromagnetic Systems, San Diego, CA (A, DR, D, M, TC)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (TC)
 James Fisher Technologies, Loveland, CO (MO)
 Mirion Technologies (Canberra) Inc., Meriden, CT (A, DR, D, MO, SS, TC)
 Navarro, Oak Ridge, TN (DR, M, SE, SS)
 NSSI/Recovery Services Inc., Houston, TX (SE, SS, TC)
 Numerical Advisory Solutions, LLC, Cary, NC (A, DR, D)
 Pajarito Scientific Corp., Santa Fe, NM (DR, MO, TC)
 ♦ Paragon Energy Solutions, (Paragon), Fort Worth, TX (A, D)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (A, DR, D, M, MO, SE, SS, TC)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (A, SS)
 ♦ Radiation Safety & Control Services, Inc., Seabrook, NH (SS, TC)
 Radiological Solutions Inc., Rockdale, IL (TC)
 ReNuke, Oak Ridge, TN (SS, TC)
 Sargent & Lundy, Chicago, IL (DR)
 Tap Report, Toronto, Ontario, Canada (M, TC)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (A, D, MO, TC)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (TC)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (DR, TC)

VTT Technical Research Centre of Finland, VTT, Finland (TC)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (A, DR, D, M, MO, SS, TC)
 Wood, (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group), Grand Junction, CO (MO)

68000 Radioactive Waste Handling & Treatment Equipment

CA Calciners
 CO Compactors
 CN Concentrators (Cross-Flow Filter)
 CS Crushers, Scintillation Vials
 DC Drum Capping Machines, Remote
 DR Drum Cutting Machines
 DW Drum Washing Systems, Automatic
 E Evaporators
 F Furnaces for Glass Melting
 GC Gas Compressors
 I Incinerators
 L Liners
 LV Liquid Volume Reduction
 P Packaging
 R Robotic
 SC Secondary Containment Products
 SH Shredders (Volume Reduction)
 S Solidification
 SS Sorters, Sorting Tables
 ST Storage Systems, On-Site, High-Level
 SF Storage Systems, On-Site, Low-Level
 WT Waste Tracking & Accountability Systems (Computerized)
 Accelerated Decommissioning Partners - ADP, Dallas, TX (ST, SF)

AeroGo, Inc., Seattle, WA (CA, CO, CN, CS, DC, DR, DW, E, F, I, SC, SH, ST, SF)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (CO, DR, P, WT)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (DR, R)
 American Crane & Equipment Corp., Douglassville, PA (R, ST, SF, WT)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (CO, P, R, SH, S, SS, WT)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (CO, P, R, SH, S, SS, WT)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (CO, P, R, SH, S, SS, WT)
 AVANTech, LLC, Knoxville, TN (CN, E, L, LV, P, S, SF)
 Babcock Services, Inc., Kennewick, WA (CO)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (CO, DC, DR, L, P, S, SS, SF)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (WT)
 Brokk AB, Skelleftea, Sweden (R)
 ♦ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (R)
 Central Research Laboratories, Red Wing, MN (P)
 Container Technologies Industries, LLC, Helenwood, TN (P)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (P, ST, SF)
 Deep Isolation, Berkeley, CA (ST)
 Deltech Kiln and Furnace Design, LLC, Denver, CO (F)
 Dominion Engineering, Inc., Reston, VA (CN, R)

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- + Independent verification
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- + ISO 9001:2015
- + NQA-1

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Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (L, P, ST, SF)
 DW James Consulting, North Oaks, MN (WT)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (DR, R)
 ◆ EnergySolutions, Salt Lake City, UT (CO, F, I, L, P, SH, S, SF, WT)
 Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain (CO, CN, DC, DW, E)
 Frham Safety Products, Inc., Nashville, TN (L)
 General Plastics Mfg. Co., Tacoma, WA (L)
 GNS Gesellschaft für Nuklear-Service mbH, Essen, Germany (CO, CN, P, ST, SF, WT)
 ◆ Holtec International, Camden, NJ (ST, SF)
 Hopewell Designs, Inc., Alpharetta, GA (P, SF)
 ◆ I.C.E. Service Group, Inc., Moon Township, PA (P, WT)
 James Fisher Technologies, Loveland, CO (DC, DR, R, SC)
 Joseph Oat Corp., Camden, NJ (E, L, ST)
 Kinectrics Inc., Toronto, Ontario, Canada (L)
 Komline, Peapack, NJ (CA)
 Lancs Industries, Albuquerque, NM (L)
 M2 Polymer Technologies, Inc., West Dundee, IL (P, S)
 Merrick & Company, Greenwood Village, CO (CA, CO, CN, DW, E, R, SC, S, SS, ST, SF)
 METOIL, Praha, Czech Republic (The) (LV)
 Mirion Technologies (Canberra) Inc., Meriden, CT (WT)
 ◆ NAC International Inc., Peachtree Corners, GA (P, ST)
 ◆ NAC LPT LLC, Mars, PA (P)
 Navarro, Oak Ridge, TN (P, ST, SF, WT)
 NFT, by Alpha Safety Group, Golden, CO (P)
 NSSI/Recovery Services Inc., Houston, TX (S, SF)
 NUCON International, Inc., Columbus, OH (CA)
 NuVision-HWM, Pittsburgh, PA (DC, DR, R)
 Orano Decommissioning Services, Hudson, MA (ST, SF)
 Orano Federal Services, Charlotte, NC (CA, P, R)
 Orano TN, Columbia, MD (ST, SF)
 ◆ Orano USA, Bethesda, MD (CO, P, R, SH, S, ST, SF)
 ◆ PacTec, Inc., Clinton, LA (L, P, SC, SF)
 Pajarito Scientific Corp., Santa Fe, NM
 PAR Systems, LLC, Saint Paul, MN (DC, DR, DW, P, R)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (SH, S, SS, ST, SF, WT)
 ◆ Petersen Inc., Ogden, UT (CA, CS, F, I, SC, SH)
See advertisement on cover 2
 Premier Technology, Inc., Blackfoot, ID (P, SC)
 PTP Spent Fuel Services, LLC, Grand Island, NY (ST, SF)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (SC, SS)
 Radiological Solutions Inc., Rockdale, IL (S)
 ◆ Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (P, SC, SF)
 Rich Industries Inc., New Philadelphia, OH (L)
 Robatel Technologies, LLC, Roanoke, VA (CA, P, R, S, SS, SF)
 Rousselet-Robatel, Pittsfield, MA (CN, LV)
 S&G Enterprises, Inc., Germantown, WI (CO, CS, SH)
 Siempelkamp NIS, Alzenau, Germany (P)
 Skolnik Industries, Chicago, IL (P, SC)
 ◆ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (L, P)
 Tri Nuclear Corp., Troy, NY (CO)
 ◆ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (SC, SS)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (R)
 VTT Technical Research Centre of Finland, VTT, Finland (I, R, S)
 ◆ Wagstaff Applied Technologies, Spokane, WA (CO, DC, DR, DW, E, L, LV, P, R, SC, SH, SS, ST, SF)
 Walischmiller Engineering GmbH, Germany (R)
 Waste Control Systems, Inc., Phoenix, MD (CO, CS, SC, SH, SS)

Westinghouse Electric Co. LLC, Cranberry Township, PA (CO, CN, CS, DC, DR, DW, E, P, R, SC, SH, S, SS, ST, SF, WT)
 ◆ WMG, Inc., Peekskill, NY (L, P, WT)
 Wood, (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group), Grand Junction, CO (SS)

68950 Radioisotopes

CS Calibration Standards
 F Foils
 G Gases, Calibration
 LC Labeled Compounds
 PP Primary & Processed
 RS Radiation Standards
 RC Radiochemicals
 RM Radioisotopes, Medical
 RP Radiopharmaceuticals
 RE Recycling
 SS Sealed Sources
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (RE, SS)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (RM, RP)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (RM, RP)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (RM, RP)
 AZIsotopes Corp., Bunker Hill, IN (RM, RP)
 Campoverde srl, Milano, Italy (CS, F, G, LC, RS, RC, RM)
 Curie Environmental Services, Albuquerque, NM (RE)
 Eckert & Ziegler Analytics, Atlanta, GA (CS, F, G, PP, RS, RC, SS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CS, RS, RP, SS)
 Frontier Technology Corp., Xenia, OH (RM, SS)
 General Atomic Electromagnetic Systems, San Diego, CA (CS, SS)
 International Isotopes, Inc., (RadQual), Idaho Falls, ID (CS, RS, RC, RM, RP, RE, SS)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (RS)
 Kinectrics Inc., Toronto, Ontario, Canada (CS, G, RS)
 Mirion Technologies (Canberra) Inc., Meriden, CT (CS, SS)
 NAC Philotechnics, Ltd., Oak Ridge, TN (CS, F, RS, RE, SS)
 NSSI/Recovery Services Inc., Houston, TX (RE, SS)
 Nuclear-21, Waasmunster, Belgium (RM, RP)
 ◆ Orano USA, Bethesda, MD (RM, SS)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (RM, RP, RE)
 PHDS Co., Knoxville, TN (RM, RP)
 Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada (G, SS)
 ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (RS)
 RadQual, LLC, Idaho Falls, ID (CS, G, RS, RC, RM, SS)
 J. L. Shepherd & Assoc., San Fernando, CA (CS, RS, RE, SS)
 VTT Technical Research Centre of Finland, VTT, Finland (CS, G, LC, PP, RC)

71190 Records Management Systems

CM Configuration Management
 DS Document Storage & Retrieval
 DC Drawing Control
 HP Health Physics
 O Operations Recording
 S Spare Parts
 T Training
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (DS, HP, T)
 Black & Veatch, Overland Park, KS (CM, DS, DC)

Boston Government Services, LLC (BGS), Oak Ridge, TN (CM, DS, DC, HP)
 Curtiss-Wright Nuclear Division, Brea, CA (CM, DS, DC, O, S, T)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CM, DS, DC, O, S, T)
 Enercon Services, Inc., Kennesaw, GA (CM, DS, DC, T)
 Engineering Planning and Management, Inc., Framingham, MA (S)
 Exitech Corp., Maryville, TN (CM, DS, T)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CM, S)
 GE Hitachi Nuclear Energy, Wilmington, NC (CM, DS, DC, S)
 Global Quality Management Advisors, Lynchburg, VA (CM, DS, T)
 HukariAscendent, Wheat Ridge, CO (CM, HP)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (HP)
 Mirion Technologies (Canberra) Inc., Meriden, CT (HP)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (HP)
 North Wind Group, Idaho Falls, ID (CM, HP)
 Numerical Advisory Solutions, LLC, Cary, NC (CM, DS, DC)
 Proxtronic, Dosimetry LLC, Alexandria, VA (DS, HP, T)
 Sargent & Lundy, Chicago, IL (CM, DC, O, S, T)
 Tap Report, Toronto, Ontario, Canada (O)
 The Delphi Groupe, Inc., Austin, TX (CM, HP, T)
 ◆ WMG, Inc., Peekskill, NY (T)

71500 Refrigeration

Aggreko Ltd., Houston, TX
 ECU Corporation, Cincinnati, OH
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon*, a Berkshire Hathaway company), Batavia, OH
 James C. White Company, Inc., Greenville, SC
 PMT Nuclear, Woodridge, IL
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

72300 Remote Control, Handling & Positioning Devices & Sys.

AI Artificial Intelligence/Expert Systems
 EE End Effectors, Grippers, & Wrists
 RC Remote Control
 RH Remote Handling
 RP Remote Positioning
 RO Robotics
 TM Telescoping Masts
 Advanced Consulting Group, Inc., Chicago, IL (EE, RC, RO)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (EE, RC, RH, RP, RO)
 American Crane & Equipment Corp., Douglassville, PA (EE, RC, RH, RP, RO)
 ARES Security Corp., Vienna, VA (AI, EE, RC, RH, RP, RO, TM)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (EE, RC, RH, RP, RO)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (EE, RC, RH, RP, RO)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (EE, RC, RH, RP, RO)
 Aurum Technologies, Blackfoot, ID (AI)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (EE, RC, RH, RP)
 Brokk AB, Skelleftea, Sweden (EE, RC, RH, RP, RO)
 ◆ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (RC, RH, RP, RO)
 Central Research Laboratories, Red Wing, MN (EE, RC, RH, RP)

Curtiss-Wright Nuclear Division, Brea, CA (RC, RH, RP)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (RC, RH, RP)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (RC)
 Eddyfi Technologies, Quebec City, Canada (EE, RC, RH, RP, RO)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (AI, RC, RH, RP, RO)
 GE Hitachi Nuclear Energy, Wilmington, NC (RC, RH, RO)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (AI, RC)
 James Fisher Technologies, Loveland, CO (EE, RC, RH, RP, RO)
 JSM Protective, Inc., Port St. Lucie, FL (RH)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (RC, RH, RP, RO, TM)
 KUKA Systems UK Ltd, West Midlands, United Kingdom (RH, RO)
 Master-Lee Engineered Products Inc., Latrobe, PA (EE, RH)
 Merrick & Company, Greenwood Village, CO (RC, RH, RP, RO)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (RC, RP)
 NuVision-HWM, Pittsburgh, PA (AI, EE, RC, RH, RP, RO)
 PAR Systems, LLC, Saint Paul, MN (AI, EE, RC, RH, RP, RO, TM)
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (RH, RP)
 RADeCO, Inc., Plainfield, CT (AI, EE, RC, RH, RP, RO)
 Radium Inc., Waynesboro, VA (AI, EE, RC, RH, RP, RO)
 Remote Ocean Systems (ROS), San Diego, CA (RC, RP)
 Robatel Technologies, LLC, Roanoke, VA (RC, RH, RP)
 SERCO USA, Evergreen, CO (RC, RH, RP, RO)
 Sidus Solutions LLC, San Diego, CA (RP)
 Siempelkamp NIS, Alzenau, Germany (RC, RH, RP)
 Southwest Research Institute, San Antonio, TX (EE, RC, RH, RP, RO)
 Tri Nuclear Corp., Troy, NY (RH)
 ♦ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (RC, RH, RP, RO)
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (RO)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (RC, RH, RP, RO)
 ♦ Wagstaff Applied Technologies, Spokane, WA (EE, RC, RH, RP, RO)
 Walischmiller Engineering GmbH, Germany (EE, RC, RH, RP, RO)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (EE)
 ♦ WMG, Inc., Peekskill, NY (EE, RH)

73300 Remote-Viewing Instruments & Systems

BI Binoculars
 BF Borescopes, Flexible
 BR Borescopes, Rigid
 I Infrared
 M Monocular Scopes, Viewing/ALARA
 P Periscopes
 RR Radiation-Resistant
 S Submersible
 T Telescopes

Alphasource, Inc., Philadelphia, PA (BF, BR)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (RR)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (RR)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (RR)

Centronic Ltd., Surrey, United Kingdom (P, RR, S)
 Coastal Network, Inc., Charlottesville, VA (M)
 Environmental Restoration Group, Inc., Albuquerque, NM
 Framatome Inc., (North American Headquarters), Lynchburg, VA (S)
 GE Hitachi Nuclear Energy, Wilmington, NC (I, M, RR, S)
 GenScope, Inc., East Longmeadow, MA (BF, BR)
 Hopewell Designs, Inc., Alpharetta, GA (BF, BR)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (S)
 James Fisher Technologies, Loveland, CO (S, T)
 Lenox Instrument Co., Inc., Trevoise, PA (BF, BR, P, RR)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (RR, S)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (RR, S, T)
 Newton Research Labs, Inc., Renton, WA (S)
 NuVision-HWM, Pittsburgh, PA (RR, S)
 PAR Systems, LLC, Saint Paul, MN (T)
 RADeCO, Inc., Plainfield, CT
 Radium Inc., Waynesboro, VA (RR, S)
 Remote Ocean Systems (ROS), San Diego, CA (S)
 Sidus Solutions LLC, San Diego, CA (I, S)
 ♦ Thermo Scientific - CIDTEC Cameras & Imagers, (Part of Thermo Fisher Scientific), Liverpool, NY (RR)

73550 Respiratory Protection Equipment

AP Air Purification Systems
 C Compressors
 FT Fit-Testing Systems
 RC Respirator Cleaning Systems
 RD Respirator Drying Systems
 RL Respirators, Air-Line
 R Respirators, Air-Purifying
 RX Respirators, Combination Type
 RP Respirators, Powered Air-Purifying
 RE Resuscitators
 SC Self-Contained Breathing Apparatus
 SB SCBA Boost Pumps
 SE SCBA (Escape)
 SF SCBA Filling Stations
 ST SCBA Flow Testing & Services
 SW SCBA Software
 SS Storage Systems (Cleaned Equipment)
 V Vessels, High-Pressure, Air

Framatome Inc., (North American Headquarters), Lynchburg, VA (AP, C)
 Frham Safety Products, Inc., Nashville, TN (AP, C, FT, RC, RD, RL, R, RX, RP, SC, SB, SE, SF, ST, SW, SS)
 James Fisher Technologies, Loveland, CO (C)
 JSM Protective, Inc., Port St. Lucie, FL (AP, RL, R, RX, RP, SC)
 Lancs Industries, Albuquerque, NM (RL)
 Nextteq International LLC, Nextteq, Tampa, FL (FT)
 NUCON International, Inc., Columbus, OH (AP, FT)
 Radium Inc., Waynesboro, VA (AP, R, RX, RP)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (RL, R, RX, RP, SC, SE, ST, SS)
 ♦ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (C, RC, RD, RL, R, RX, SS)

73570 Rigging Specialists

American Crane & Equipment Corp., Douglassville, PA
 ♦ American DND Inc., Grand Island, NY
 Barnhart Nuclear Services, Fairhope, AL
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA
 Carolina Fabricators, West Columbia, SC
 CS-2 Inc., Grand Island, NY

Cutting Technologies (CTT), Gloucester City, NJ
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT
 E.S. Fox Limited, Niagara Falls, Ontario, Canada
 Engineered Rigging, Russellville, AR
 Westinghouse Electric Co. LLC, Cranberry Township, PA

73620 Robotic Devices, Systems

CA CAD-Driven
 C Condenser, In-Service Inspection
 FT Force/Torque Sensors
 N Nuclear
 RV Reactor Vessel Head, ISI
 S Submersible
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (CA, C, N, RV, S)
 ARES Security Corp., Vienna, VA (CA, N)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (CA, C, FT, RV, S)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (CA, C, FT, RV, S)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (CA, C, FT, RV, S)
 AVANTech, LLC, Knoxville, TN (S)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (RV)
 Brokk AB, Skelleftea, Sweden (RV)
 ♦ Brokk Inc., (Sub. of Brokk-Sweden), (Nuclear Div.), Santa Fe, NM (CA)
 Constellation ClearSight, De Pere, WI (C)
 Curtiss-Wright Nuclear Division, Brea, CA (N, RV)
 Curtiss-Wright Nuclear Division, Anatec, Brea, CA (RV)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (RV, S)
 James Fisher Technologies, Loveland, CO (FT, N, S)
 Kinectrics Inc., Toronto, Ontario, Canada (CA, N)
 KUKA Systems UK Ltd, West Midlands, United Kingdom (N)
 Merrick & Company, Greenwood Village, CO (CA)
 Norbar Torque Tools, Inc., Willoughby, OH (FT)
 NuVision-HWM, Pittsburgh, PA (RV, S)
 PAR Systems, LLC, Saint Paul, MN (CA, N, S)
 Radium Inc., Waynesboro, VA (FT, S)
 Southwest Research Institute, San Antonio, TX (N, RV, S)
 ♦ Teledyne Brown Engineering, Inc., Huntsville, AL (FT)
 Thermal Engineering International (TEI), Cerritos, CA (C)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (CA, FT, N, S)
 Walischmiller Engineering GmbH, Germany (CA, C, FT, N, S)

74150 Samplers & Sampling Systems

A Air (Carried by Personnel)
 AP Air Particulate
 AS Automatic Systems
 EC Evaporator Concentrate
 G Gas
 I Iodine
 L Liquid
 M Metallurgical
 RT Real-Time Remote
 SS Stack Sampling
 W Waste

ANTECH Corp., Arvada, CO (AS)
 AVANTech, LLC, Knoxville, TN (G, L, W)
 Coastal Network, Inc., Charlottesville, VA (AP)
 Eddyfi Technologies, Quebec City, Canada (RT)
 ♦ EnergySolutions, Salt Lake City, UT (AP)
 ♦ F&J SPECIALTY PRODUCTS, INC., Ocala, FL (A, AP, G, I, L, RT, SS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (AS, G, L)

F&J Advanced Technology Instruments



DFHV-1
Digital Flow Meter
Portable High Volume
Air Sampler



DF-75L-400-Li
Indoor/Outdoor
Emergency Response Air Sampler
Ruggedized Enclosure



DF-EDL-HP
Lightweight Low Volume
Air Sampler (~15 lbs)



GAS-60810DT
TSP Ambient
Air Sampling System
(8" x 10" Filter)



RICF
Radioiodine Collection Filter Cartridges



Filter Media
MCE Membrane Assortment, Glass
Fiber, Qualitative and Quantitative



GAS-22-D
Modern Technology
Low Volume REMP
Air Sampling System



F&J SPECIALTY PRODUCTS, INC.

The Nucleus of Quality Air Monitoring Programs

Tel: 352.680.1177 / Fax: 352.680.1454 / Email: fandj@fjspecialty.com / www.fjspecialty.com

Fram Safety Products, Inc., Nashville, TN (A, AP, AS)
 GE Hitachi Nuclear Energy, Wilmington, NC (AP, AS, G, L)
 The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (AP, AS, SS)
 General Atomics Electromagnetic Systems, San Diego, CA (AP, G, I, L, SS)
 HI-Q Environmental Products Company, Inc., San Diego, CA (A, AP, AS, G, I, SS)
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (M)
 LND, Inc., Oceanside, NY (AS)
 Mirion Technologies (Canberra) Inc., Meriden, CT (AP, AS, G, I, L, RT, SS)
 Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany (AP, I, SS)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (AP, I, SS)
 Mound Technical Solutions, Inc., Miamisburg, OH (SS)
 Nextteq International LLC, Nextteq, Tampa, FL (A, G, I, SS)
 ORTEC, Oak Ridge, TN (AP, AS)
 Pajarito Scientific Corp., Santa Fe, NM (SS)
 Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada (G, RT)
 RAdCO, Inc., Plainfield, CT (A, AP, I)
 Radiological Solutions Inc., Rockdale, IL (L)
 ReNuke, Oak Ridge, TN (A, AP)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (AP, I)
 Sentry Equipment Corp., Oconomowoc, WI (AP, AS, EC, G, I, L)
 SGS North America Inc., Vallejo, CA (L)
 Staplex - Air Sampler Div., Brooklyn, NY (A, AP)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (A, AP, AS, EC, G, I, L, RT, SS)
 ♦Teledyne Brown Engineering, Inc., Huntsville, AL (SS)
 ♦UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (A, AP)
 US Nuclear Corp., (Technical Associates Sub.), (Overhoff Technology Corp. Sub.), Canoga Park, CA (AP, AS, G, I, L)

74320 Sampling Systems Services

Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID
 Encorus Group, Springville, NY
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 Fuel Tank Maintenance Co., LLC, Cookeville, TN
 GE Hitachi Nuclear Energy, Wilmington, NC
 The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC
 GLSEQ, LLC, Huntsville, AL
 HI-Q Environmental Products Company, Inc., San Diego, CA
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA
 Kinectrics Inc., Toronto, Ontario, Canada
 New Millennium Nuclear Technologies International, Lakewood, CO
 Sentry Equipment Corp., Oconomowoc, WI

74350 Scaffolding

C Conventional
 M Modular
 SP Scaffold Plank
 S Suspended Type
 T Tube & Clamp Type

Advanced Nuclear LLC, Aston, PA (C, M, SP, S, T)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (C, M, SP, S)

Carolina Fabricators, West Columbia, SC (C, M, SP, T)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (C, M, SP, S)

75190 Seals

CM Ceramic-Metal Assemblies
 CS Conduit Seal
 ES Equipment Storage Pool
 FG Flat Gasketing
 GR Flat Gasketing, Radiation-Resistant
 FT Flux Thimble Seal
 H Hydraulic
 I Inflatable
 IP Inspection Port
 MS Mechanical, Shaft
 MP Mechanical, Shaft, Reactor Circulating Pump
 M Metal (O-Rings, C-Rings, etc.)
 NI Nuclear Instrumentation Cover
 P Penetration
 RC Reactor Cavity Pool
 SR Sealing Systems, Compressed Rubber
 SS Sealing Systems, Fluid

Adam Brown Consulting, Inc., Cary, IL (P)
 Alphasource, Inc., Philadelphia, PA (I)
 Basic E, Inc., Charlotte, VT (FG)
 Centronic Ltd., Surrey, United Kingdom (CM)
 Cross Manufacturing Company (1938) Ltd., Bath, United Kingdom (MS, M, SS)
 Curtiss-Wright Nuclear Division, Brea, CA (CM, ES, FG, GR, H, I, IP, MS, MP, M, NI, P, RC, SR, SS)
 Curtiss-Wright Nuclear Division, AP Services, Middleburg Heights, OH (CM, FG, GR, H, MS, MP, SR, SS)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (FG, GR, H, I, MS, M, P)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (ES, H, I, IP, NI, P, RC, SR, SS)
 Electro Static Technology, Mechanic Falls, ME (MS, MP)
 Energy Steel, Rochester Hills, MI (FG, MS, MP, M)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (I, MS, MP, M, P, RC, SS)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (CM, P)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (CM, P)
 ♦Paragon Energy Solutions, (Paragon), Fort Worth, TX (MS)
 PAVE Technology Co., Dayton, OH (P)
 Perma-Type Rubber, Plainville, CT (I)
 Piping Technology & Products, Inc., Houston, TX (P)
 PMT Nuclear, Woodridge, IL (FG, GR, MS)
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (ES, GR, I, IP, NI, P, RC, SR)
 Presray Corp., (Div. of Pawling Corp.) (Critical Containment Solutions), Wassaic, NY (I)
 Senior Flexonics Pathway, New Braunfels, TX (P)
 Sulzer Pumps (US) Inc., Chattanooga, TN (MS, MP)
 Thermal Engineering International (TEI), Cerritos, CA (FG)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (MS, MP, M, P, RC)
 ♦Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (CM, ES, FG, GR, H, I, IP, MS, MP, M, NI, P, RC, SR, SS)

75500 Security Enforcement Products

Aegis, LLC, Ooltewah, TN
 ARES Security Corp., Vienna, VA
 EK USA, Inc., (EK Eccessories, Inc.), Logan, UT
 NETCo, Windsor, ME

75600 Security Services

A Analysis
 C Cybersecurity
 D Drug Testing
 E Engineering
 G Guards
 SI Screening & Investigation

ARES Security Corp., Vienna, VA (A, E, SI)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (SI)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (A, E)
 Brownstone Psychological Associates, Manitowoc, WI (SI)
 ♦Burns & McDonnell, Kansas City, MO (A, E, SI)
 Confidential Services, Inc., South Haven, MI (SI)
 Curtiss-Wright Nuclear Division, Brea, CA (A)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (A)
 EXCEL Services Corporation, Rockville, MD (A)
 Exitech Corp., Maryville, TN (E)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, E)
 GE Hitachi Nuclear Energy, Wilmington, NC (A)
 Imperia Engineering Partners LLC, Milford, MA (A, E)
 Jensen Hughes, Baltimore, MD (A, C, E)
 Merrick & Company, Greenwood Village, CO (E)
 NETCo, Windsor, ME (SI)
 Numerical Advisory Solutions, LLC, Cary, NC (E)
 Paragon Systems, (Paragon Energy), Herndon, VA (A, E, G, SI)
 Right Brain Security, Oswego, IL (A, E)
 Rohde & Schwarz USA, Inc., Columbia, MD (SI)
 Sargent & Lundy, Chicago, IL (A, E)
 Southwest Research Institute, San Antonio, TX (C)
 Tetra Tech Inc., Richland, WA (E)
 United Engineers & Constructors, Inc., (Sub. of Imperia Engineering Partners), Mount Laurel, NJ (E)
 VTT Technical Research Centre of Finland, VTT, Finland (A, E, SI)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (SI)
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA (SI)

75700 Security Structures

BW Barbed Wire, Tape
 BG Barrier-Gates
 F Fences
 GO Gate Operators
 G Gates
 GS Guard Stations
 GB Gunports, Bullet-Resistant
 L Lockers, Weapon Storage
 SB Security Booths (Man-Trap)
 T Turnstiles
 WP Wall Panels, Bullet-Resistant
 WB Windows, Bullet-Resistant

♦AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (G, GS)
 Aegis, LLC, Ooltewah, TN (WP)
 Container Technologies Industries, LLC, Helenwood, TN (BG, GS, GB, WP, WB)
 Curtiss-Wright Nuclear Division, Brea, CA (BG, GO, G, WP, WB)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (BG, GO, G, WP, WB)
 DuBose National Energy Services, Inc., Clinton, NC (BW, BG, F)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (GB, WB)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (BW, BG, F, GO, G, GS, GB, L, SB, T, WP, WB)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (T)
 NETCo, Windsor, ME (BG)

Newton Security Inc., Renton, WA (SB)
 Par-Kut International, Inc., Harrison Twp., MI (GS, SB)
 PMT Nuclear, Woodridge, IL (BG, F)
 Presray Corp., (Div. of Pawling Corp.) (Critical Containment Solutions), Wassauc, NY (WP, WB)
 SecurMAR, LLC, Zionsville, IN (BG, G, GS, GB, SB, T, WP, WB)
 Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (SB)

775850 Security Systems & Devices

AI Anti-Intrusion, Indoor
 AO Anti-Intrusion, Outdoor
 AP Asset Protection (Anti-Removal), Electronic
 AS Automated Security Patrol Robot
 C Computerized
 FI Fully Integrated
 HS Homeland Security Equipment & Services
 ID Intruder Detection (Laser, Microwave/Infrared)
 ET Explosives Trace Detection
 MD Metal (Weapon) Detectors
 NV Night Vision Scopes & Devices
 P Personal Alarm
 PA Personnel Access Control
 RT Railcar, Remote Tracking & Cargo Monitoring
 TW Thermal Weapon Sights
 VA Vehicle Access Control
 VS Video Surveillance Systems (CCTV)
 VT Video Transmission Systems
 WI Water Intake, Anti-Intrusion
 X X-ray Inspection Systems

AFO Research Inc., Vero Beach, FL (MD)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (HS)
 ARES Security Corp., Vienna, VA (AI, AO, AP, AS, C, FI, HS, ID, PA, VA, VS, VT)
 AVANTech, LLC, Knoxville, TN (VS)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (FI, HS, VS)
 Curtiss-Wright Nuclear Division, Brea, CA (C, PA)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (C, PA)
 EK USA, Inc., (EK Eccessories, Inc.), Logan, UT (PA)
 Enercon Services, Inc., Kennesaw, GA (FI, HS, ID, PA, VA, VS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (AI, AO, C, FI, HS, VS)
 K-Tek International Inc., Wilsonville, OR (AO, C, FI, HS)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (C, HS, PA, VA)
 NETCo, Windsor, ME (AI, AO, ID, ET, MD, WI, X)
 Newton Security Inc., Renton, WA (AI, AO, FI, ID, PA, VA, VS)
 ORTEC, Oak Ridge, TN (HS)
 Paragon Systems, (Paragon Energy), Herndon, VA (AI, AO, FI, ID, P, PA, VA, VS)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (PA)
 Radium Inc., Waynesboro, VA (VS, VT)
 Right Brain Security, Oswego, IL (HS)
 Rohde & Schwarz USA, Inc., Columbia, MD (PA)
 SecurMAR, LLC, Zionsville, IN (AI, AO, MD, X)
 Sidus Solutions LLC, San Diego, CA (AI, AO, FI, HS, ID, NV, VS, VT, WI)
 Tetra Tech Inc., Richland, WA (HS)
 ◆Thermo Scientific - CIDTEC Cameras & Imagers, (Part of Thermo Fisher Scientific), Liverpool, NY (NV, VS)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (FI, VS)
 Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (VS)

76400 Seismic Instrumentation & Testing

Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 GE Hitachi Nuclear Energy, Wilmington, NC
 GEI Consultants, Inc., Woburn, MA
 GLSEQ, LLC, Huntsville, AL
 Kinectrics Inc., Toronto, Ontario, Canada
 Kinemetrics, Inc., Pasadena, CA
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX

See advertisement on page 1

Pylon Electronics Inc., (Instrument Manufacturing Div.), Ottawa, Ontario, Canada
 Radics LLC, Kropyvnytskyi, Ukraine
 Simpson Gumpertz & Heger (SGH), Chicago, IL
 Syscom Instruments S.A., Sainte-Croix, Switzerland
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom
 Westinghouse Electric Co. LLC, Cranberry Township, PA
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

77600 Servomechanisms

Framatome Inc., (North American Headquarters), Lynchburg, VA

77750 Shielding Design, Radiation

Advanced Nuclear LLC, Aston, PA
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD
 Applied Analysis Corp., Reading, PA
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany
 Black & Veatch, Overland Park, KS
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT
 Ellis & Watts Global Industries, Inc., (a sub. of Marmont*, a Berkshire Hathaway company), Batavia, OH
 Encorus Group, Springville, NY
 Enercon Services, Inc., Kennesaw, GA
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 GE Hitachi Nuclear Energy, Wilmington, NC
 ◆Holtec International, Camden, NJ
 Hopewell Designs, Inc., Alpharetta, GA
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA
 Joseph Oat Corp., Camden, NJ
 Kinectrics Inc., Toronto, Ontario, Canada
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada
 Mirion Technologies (Canberra) Inc., Meriden, CT
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA
 NSSI/Recovery Services Inc., Houston, TX
 Nuclear Shielding Supplies & Service, Tucson, AZ
 NuclearConsultants.com, Ann Arbor, MI
 Pajarito Scientific Corp., Santa Fe, NM
 Paxton & Vierling Steel, Carter Lake, IA
 PMT Nuclear, Woodridge, IL
 Premier Technology, Inc., Blackfoot, ID
 Radiation Protection Systems, (by Alpha Safety), Groton, CT
 Radium Inc., Waynesboro, VA
 Red Wolf Associates, Cary, NC
 Robatel Technologies, LLC, Roanoke, VA
 Sargent & Lundy, Chicago, IL
 J. L. Shepherd & Assoc., San Fernando, CA
 Southwest Research Institute, San Antonio, TX
 ◆Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN
 Tetra Tech Inc., Richland, WA
 TRAD - RayXpert, Labège cedex, France
 Transco Products Inc., Streator, IL
 TransWare Enterprises Inc., St. Louis, MO
 ◆Wagstaff Applied Technologies, Spokane, WA
 Westinghouse Electric Co. LLC, Cranberry Township, PA
 ◆WMG, Inc., Peekskill, NY

77800 Shielding Materials, Radiation

AS Acrylic Sheet Products, Beta-Shielding
 A Aggregates, High-Density Concrete
 B Blankets
 CB Blocks, Concrete, Lead-Core
 BH Blocks, Concrete, High-Density
 BM Blocks, Modular
 BC Boron Carbide Grain & Shapes
 BR Bricks, Composite
 BL Bricks, Lead
 CM Castable Shielding Materials
 CC Castings, Composite
 CL Castings, Lead
 CA Castles, Lead
 CS Collars, Streaming
 CW Container Wraps
 CR Criticality Control
 CU Curtain Shields
 FS Frisker Shields
 GN Gamma/Neutron Composite
 G Glass, X-ray
 IV In-Vessel Shields
 LF Lead Free
 LP Lead Plastic
 LL Low-Level Shields, Lead/Steel
 PW Pipe Wraps/Sleeves
 PC Plugs, Closures
 P Polyethylene
 PB Polyethylene, Borated
 RF Refueling Shields
 TN Thermal Neutron Materials
 TA Tungsten Alloys
 WP Wall Panels
 WS Water Shields, Modular (Gamma/Neutron)
 3M Technical Ceramics, Inc., Quapaw, OK (CM, TN)
 Advetage Solutions, El Segundo, CA (B, CU, LF)
 AFO Research Inc., Vero Beach, FL
 American Ceramic Technology, Inc., (Silflex Shielding), Escondido, CA (BM, CC)
 F.N. Anderson & Assoc., Forest, VA (CR)
 AVANTech, LLC, Knoxville, TN (LL, WP)
 Carolina Fabricators, West Columbia, SC (CM, CW, CU, LL, PW, PC, RF, WP)
 Curtiss-Wright Nuclear Division, Brea, CA (CR, CU, IV, LL, PC, RF, WS)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CR, CU, IV, LL, PC, RF, WS)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (A, B, CB, BH, BM, BR, BL, CM, CC, CL, CS, CW, CR, CU, FS, GN, G, IV, LL, PW, PC, P, PB, RF, TN, TA, WP, WS)
 ◆EnergySolutions, Salt Lake City, UT (BM, CL, LL, WP)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (B)
 Free Form Fibers, Saratoga Springs, NY (BC)
 Frham Safety Products, Inc., Nashville, TN (B, BL, PW)
 Frontier Technology Corp., Xenia, OH (GN, TN)

General Plastics Mfg. Co., Tacoma, WA
 Glidewell Specialties Foundry Co., Calera, AL (PC)

◆ Holtec International, Camden, NJ (CR, TN)
 Hopewell Designs, Inc., Alpharetta, GA (CM, CC, CL, CA, FS, GN, LL, WP)
 JSM Protective, Inc., Port St. Lucie, FL (B)
 Lancs Industries, Albuquerque, NM (B, BR, BL, CU, FS, LF, PW, P, TA, WS)
 MarShield Radiation Shielding, (Div. of Marshell Metal Industries Ltd.), Burlington, Ontario, Canada (AS, A, B, CB, BH, BM, BR, BL, CM, CL, CA, CS, CW, CU, GN, G, LF, LP, LL, PW, P, PB, RF, TA, WP)
 MillenniTEK, LLC, Knoxville, TN (AS, BC, CM, CC, GN, TN)
 Mohawk Safety, Manchester, CT (B, BL)

◆ NAC International Inc., Peachtree Corners, GA (CC, GN, IV)
 NFT, by Alpha Safety Group, Golden, CO (LL)
 Niagara Energy Products (NEP), Niagara Falls, Ontario, Canada (A, CB, BM, BR, CM, CC, CW, LL, P, WP)
 NSSI/Recovery Services Inc., Houston, TX (BL, CL, LL, TN)
 Nuclear Shielding Supplies & Service, Tucson, AZ (A, CB, BM, BC, BR, CM, GN, LF)
 NuclearConsultants.com, Ann Arbor, MI (CR)
 ORTEC, Oak Ridge, TN (LL)

◆ PacTec, Inc., Clinton, LA (CW, CU, P)
 Pajarito Scientific Corp., Santa Fe, NM (GN, PW, PC)
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (RF)
 Premier Technology, Inc., Blackfoot, ID (BL, CM, CL, G, LL)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (CU, FS, LF, LL, PC, RF, TA, WP, WS)
 Radium Inc., Waynesboro, VA (AS, B, BR, CW, CU, GN, G, RF, TN, TA, WP, WS)

◆ Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (CW, P, RF)
 Rich Industries Inc., New Philadelphia, OH (AS, CW, CU, P)
 Robatel Technologies, LLC, Roanoke, VA (A, BM, BR, BL, CM, CL, CA, GN, IV, LL, TN)
 Seafab Metals Co., (Div. of The Doe Run Co.), Casa Grande, AZ (BL, CL, LL)
 J. L. Shepherd & Assoc., San Fernando, CA

◆ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (CW, P)
 Transco Products Inc., Streator, IL (LF, TN, WP)
 Tri Nuclear Corp., Troy, NY (FS, WP)

◆ Wagstaff Applied Technologies, Spokane, WA (BL, CM, CL, CW, CR, CU, IV, PW)

77900 Shoring

Carolina Fabricators, West Columbia, SC
 Simpson Gumpertz & Heger (SGH), Chicago, IL

78700 Sleeves, Wall (Pipe)

Carolina Fabricators, West Columbia, SC
 DuBose National Energy Services, Inc., Clinton, NC
 Joseph Oat Corp., Camden, NJ
 Lincoln Structural Solutions, Louisville, NE
 Rich Industries Inc., New Philadelphia, OH

79360 Solid Waste Reduction Equipment & Tools, Radioactive

C Containment
 CR Control Rod Crushers, Reducers
 NW Neutron Window Reducers
 P Packaging
 SB Stellite Ball Punches
 U Underwater Reduction Tools
 VL Velocity Limiter Shears

Advanced Consulting Group, Inc., Chicago, IL (U)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (U)

◆ American DND Inc., Grand Island, NY (C, P)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (C, P, U)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (C, P, U)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (C, P, U)
 Babcock Services, Inc., Kennewick, WA (C, CR, P, SB, U, VL)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (C, CR, P, U)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (C)

Curtiss-Wright Nuclear Division, Brea, CA (CR, U)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CR, U)

◆ EnergySolutions, Salt Lake City, UT (CR, NW, SB, U, VL)
 GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (P, U)
 Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (P)
 James Fisher Technologies, Loveland, CO (C, U)
 KUKA Systems UK Ltd, West Midlands, United Kingdom (P)
 M2 Polymer Technologies, Inc., West Dundee, IL (P)
 MarShield Radiation Shielding, (Div. of Marshell Metal Industries Ltd.), Burlington, Ontario, Canada (C)

◆ Orano USA, Bethesda, MD (P, U)
 ◆ PacTec, Inc., Clinton, LA (C, P)
 PAR Systems, LLC, Saint Paul, MN (U)
 PD Design Group, LLC, Lake Villa, IL (U)
 Premier Technology, Inc., Blackfoot, ID (C, P)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (P)
 Rich Industries Inc., New Philadelphia, OH (C)
 Robatel Technologies, LLC, Roanoke, VA (P)
 Siempelkamp NIS, Alzenau, Germany (P)

◆ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (P)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (C, U)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (C, P)

◆ Wagstaff Applied Technologies, Spokane, WA (C, CR, P)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (C, P, U)
 ◆ WMG, Inc., Peekskill, NY (P)

79370 Sorbents

ES Environmental Spill
 LR Liquid Radwaste

Alphasource, Inc., Philadelphia, PA (ES)
 AVANTech, LLC, Knoxville, TN (LR)
 Babcock Services, Inc., Kennewick, WA (LR)
 Frham Safety Products, Inc., Nashville, TN (ES, LR)
 JRM Chemical Inc., Cleveland, OH (ES, LR)

Radwaste Solutions

Spring 2024

Waste Management and Transportation

Examining the safe management, storage, and treatment of all levels of radioactive waste, along with issues related to shipping nuclear materials.

Bonus Distribution

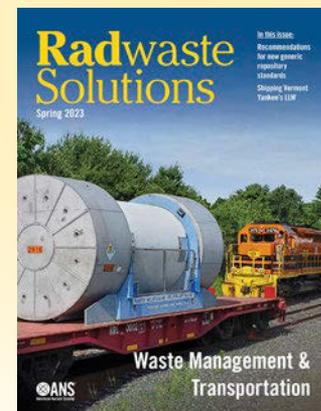
Waste Management Conference (WM2024)

Ad space deadline:

January 26

Ad material deadline:

January 31



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 Kinectrics Inc., Toronto, Ontario, Canada (ES)
 M2 Polymer Technologies, Inc., West Dundee, IL (ES, LR)
 METOIL, Praha, Czech Republic (The) (LR)
 NAC Philotechnics, Ltd., Oak Ridge, TN (ES, LR)
 NUCON International, Inc., Columbus, OH (LR)
 River Technologies, LLC, Forest, VA (LR)

81680 Storage Services

E Equipment
 SF Spent Fuel
 Barnhart Nuclear Services, Fairhope, AL (E)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (SF)
 Curtiss-Wright Nuclear Division, Brea, CA (SF)
 Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (SF)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (SF)
 Enercon Services, Inc., Kennesaw, GA (SF)
 ◆EnergySolutions, Salt Lake City, UT (E)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (E)
 FuseRing Inc., London, Canada (SF)
 GE Hitachi Nuclear Energy, Wilmington, NC (E, SF)
 ◆Holtec International, Camden, NJ (E, SF)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (E)
 NuclearConsultants.com, Ann Arbor, MI (SF)
 Orano TN, Columbia, MD (SF)
 ◆Orano USA, Bethesda, MD (SF)
 ◆Petersen Inc., Ogden, UT (E)
 PTP Spent Fuel Services, LLC, Grand Island, NY (E, SF)
 Schulz Electric, Timken Power Systems, East Haven, CT (E)
 Standish Technologies International, Export, PA (SF)
 TransWare Enterprises Inc., St. Louis, MO (SF)
 UxC, LLC, Roswell, GA (SF)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (E, SF)
 Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (E)

81710 Storage Systems, Spent-Fuel

D Dry
 W Wet
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (D, W)
 Carolina Fabricators, West Columbia, SC (D, W)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (D, W)
 Curtiss-Wright Nuclear Division, Brea, CA (D, W)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (D, W)
 Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain (D, W)
 FuseRing Inc., London, Canada (D)
 GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (D)
 ◆Holtec International, Camden, NJ (D, W)
 Joseph Oat Corp., Camden, NJ (D, W)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (D, W)
 Major Tool & Machine, Indianapolis, IN (D, W)
 Mega-Tech Services, LLC, Cooksburg, PA (D)
 ◆NAC International Inc., Peachtree Corners, GA (D)
 Orano TN, Columbia, MD (D)
 ◆Orano USA, Bethesda, MD (D)
 PAR Systems, LLC, Saint Paul, MN (W)
 ◆Petersen Inc., Ogden, UT (D)
 Precision Custom Components, LLC, York, PA (D, W)
 Premier Technology, Inc., Blackfoot, ID (D)

PTP Spent Fuel Services, LLC, Grand Island, NY (D, W)
 ◆Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (D)
 Robatel Technologies, LLC, Roanoke, VA (D)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (D, W)
 Tetra Tech Inc., Richland, WA (D)
 UxC, LLC, Roswell, GA (D, W)
 ◆Wagstaff Applied Technologies, Spokane, WA (D, W)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (D, W)

83110 Tags & Labels (Warning, Inventory, etc.)

Alphasource, Inc., Philadelphia, PA
 Coastal Network, Inc., Charlottesville, VA
 Frham Safety Products, Inc., Nashville, TN
 JSM Protective, Inc., Port St. Lucie, FL
 RSO, Inc., (Radiation Service Organization), Laurel, MD
 Tech Products, Inc., Staten Island, NY
 Williams Industrial Services Group, LLC, (Williams Specialty Services, LLC), (Williams Plant Services, LLC), Tucker, GA

83120 Tags, Valve

Energy Steel, Rochester Hills, MI
 JSM Protective, Inc., Port St. Lucie, FL
 Mohawk Safety, Manchester, CT
 Tech Products, Inc., Staten Island, NY

83150 Tanks, Storage

AL Aluminum
 GF Glass Fiber
 P Plastic
 RC Rubber, Collapsible
 S Steel
 SS Steel, Stainless
 Aerofoin, Lynchburg, VA (S, SS)
 AVANTech, LLC, Knoxville, TN (S, SS)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (S, SS)
 Carolina Fabricators, West Columbia, SC (AL, S, SS)
 Container Technologies Industries, LLC, Helenwood, TN (S)
 Corrosion Control Services, Inc., Davenport, IA (RC)
 Curtiss-Wright Nuclear Division, Brea, CA (SS)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (SS)
 DuBose National Energy Services, Inc., Clinton, NC (S, SS)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (AL, S, SS)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (AL, S, SS)
 Energy Steel, Rochester Hills, MI (AL)
 Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain (S, SS)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (S, SS)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (S, SS)
 H. Butting GmbH & Co. KG, Wittingen-Knesebeck, Germany (SS)
 Heatric Division of Meggitt (UK) Ltd., Poole, Dorset, United Kingdom (SS)
 Joseph Oat Corp., Camden, NJ (S, SS)
 JSM Protective, Inc., Port St. Lucie, FL (AL, P, RC, S, SS)
 Major Tool & Machine, Indianapolis, IN (AL, S, SS)
 NuSource LLC, Alexandria, VA (S, SS)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (S, SS)
 ◆Petersen Inc., Ogden, UT (AL, S, SS)
 PMT Nuclear, Woodridge, IL (AL, S, SS)

Precision Custom Components, LLC, York, PA (S, SS)
 Premier Technology, Inc., Blackfoot, ID (AL, S, SS)
 Robatel Technologies, LLC, Roanoke, VA (SS)
 ◆SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (AL, S, SS)
 Tri Nuclear Corp., Troy, NY (SS)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (S, SS)
 ◆Wagstaff Applied Technologies, Spokane, WA (AL, S, SS)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (AL, GF, P, RC, S, SS)

83210 Tape

C Cloth, Nuclear
 E Electrical Splicing Tape
 F Foam
 MS Moisture-Sensitive
 RS Reinforced Strapping, Nuclear
 WL Warning, Luminescent
 Alphasource, Inc., Philadelphia, PA (C, E, F, WL)
 Aquasol Corp., North Tonawanda, NY (MS)
 Basic E, Inc., Charlotte, VT (E)
 Coastal Network, Inc., Charlottesville, VA (C, WL)
 Curtiss-Wright Nuclear Division, Brea, CA (E)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (E)
 Frham Safety Products, Inc., Nashville, TN (C, E, MS, RS, WL)
 General Plastics Mfg. Co., Tacoma, WA (F)
 JSM Protective, Inc., Port St. Lucie, FL (C, E, F, MS, RS, WL)
 Lancs Industries, Albuquerque, NM (C, MS, RS, WL)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (E)
 ◆Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (MS, RS, WL)
 Rich Industries Inc., New Philadelphia, OH (C, RS)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (C, WL)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (C, E, F, MS, RS, WL)

83600 Television Systems (CCTV)

C Conventional
 HT High-Temperature
 M Miniature (Remote Viewing)
 PI Pipe Inspection
 U Underwater, Color, High-Radiation
 W Welding Arc Viewing (Color)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (M)
 AVANTech, LLC, Knoxville, TN (C)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (PI)
 Centronic Ltd., Surrey, United Kingdom (HT, M, U)
 Dominion Engineering, Inc., Reston, VA (U)
 Eddyfi Technologies, Quebec City, Canada (C, HT)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C)
 ISEC Monitoring Systems AB, Helsingborg, Sweden (C, M, PI)
 Lenox Instrument Co., Inc., Trevese, PA (HT, M, PI, U, W)
 Magnatech LLC, East Granby, CT (W)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (C, HT, M, PI, U, W)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (C, HT, M, PI, U)

Radium Inc., Waynesboro, VA (C, HT, M, PI, U, W)
 Remote Ocean Systems (ROS), San Diego, CA (C, M, U)
 Sidus Solutions LLC, San Diego, CA (C, HT, M, PI, U)
 Siempelkamp NIS, Alzenau, Germany (M, U)
 ♦ Thermo Scientific - CIDTEC Cameras & Imagers, (Part of Thermo Fisher Scientific), Liverpool, NY (C, M, PI, U, W)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (U)

84150 Test Equipment & Supplies

A Automated
 CS Capacitance Strain Gauging
 CP Coating Porosity Detection
 CT Coating Thickness Gauging
 C Concrete Inspection
 EC Eddy Current
 EM Electric Motors
 ES Electrical Systems & Components
 E Environmental
 FO Fiber Optic
 HE HEPA Filter
 II Infrared Imaging
 IC Instrumentation & Control
 LR Leak-Rate, Local
 M Manual
 MT Materials
 ND Nondestructive
 PH pH Measurement
 P Portable
 PA Power Apparatus
 RT Resistance Temperature Detectors
 S Stationary
 SC Structures/Components
 U Ultrasonic
 UC Ultrasonic Couplant
 VL Vacuum Leak Testers, Tube
 V Valve
 VM Valve, Motor-Operated, Diagnostic
 VS Valve, Solenoid Operated, Diagnostic
 V Vibration

Acromag Inc., Wixom, MI (IC)
 BlackStarTech, Davenport, IA (P, PA)
 CableLAN Nuclear, Inc., Fort Myers, FL (FO)
 Camfil USA, Inc., Washington, NC (HE)
 CBS Nuclear Services, Inc., Matthews, NC (ES)
 CM Technologies Corp., Coraopolis, PA (A, EM, ES, IC, ND)
 Crane Nuclear PFT Corp., Kennesaw, GA (EM, V, VM, VS)
 Curtiss-Wright Nuclear Division, Brea, CA (A, CT, EC, ND, U)
 Curtiss-Wright Nuclear Division, Anatec, Brea, CA (A, EC, ND, U)
 Curtiss-Wright Nuclear Division, LMT, Hutchinson, MN (CT, ND, U)
 EFCO USA, Inc., Charlotte, NC (P, S, V, VM, VS)
 Elcometer, Inc., Warren, MI (CP, CT, C, EC, E, ND, U, UC)
 ♦ F&J SPECIALTY PRODUCTS, INC., Ocala, FL (E, HE)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, EC, EM, ES, IC, M, MT, ND, PH, P, PA, S, SC, U, V, VM, VS, V)
 GE Hitachi Nuclear Energy, Wilmington, NC (A, CS, CP, CT, C, EC, EM, ES, E, FO, HE, II, IC, LR, M, MT, ND, PH, P, PA, RT, S, SC, U, UC, VL, V, VM, VS, V)
 GLSEQ, LLC, Huntsville, AL (EM, ES, FO, RT)
 Heat Exchanger Products Corp. (HEPCO), Hingham, MA (VL)
 HI-Q Environmental Products Company, Inc., San Diego, CA (E, IC)
 Hoskin Scientific, Oakville, Canada (V)
 Hydro, Inc., (HydroAire Services Division), Chicago, IL (V)
 James Fisher Technologies, Loveland, CO (EC, U)
 Leak Testing Specialists, Inc., Orlando, FL (ND)

Mirion Technologies (Canberra) Inc., Meriden, CT (E, M, ND, P, S)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (RT)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (RT)
 Mohawk Safety, Manchester, CT (HE)
 Netzsch Instruments North America LLC, Burlington, MA (MT, ND)
 Newton Research Labs, Inc., Renton, WA (EC, ND, U)
 Nextteq International LLC, Nextteq, Tampa, FL (E, P)
 Norbar Torque Tools, Inc., Willoughby, OH (U)
 NUCON International, Inc., Columbus, OH (HE)
 OTEK Corp., Tucson, AZ (IC, PH)
 PAR Systems, LLC, Saint Paul, MN (A, ND, U)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (E, IC)
 Protean Instrument Corp., Knoxville, TN (E)
 RADECO, Inc., Plainfield, CT (E)
 ♦ Radiation Safety & Control Services, Inc., Seabrook, NH (E)
 River Technologies, LLC, Forest, VA (EC, HE)
 Rogante Engineering Office, Civitanova Marche, Italy (C, MT, ND)
 Schulz Electric, Timken Power Systems, East Haven, CT (EM)
 Southwest Research Institute, San Antonio, TX (MT, ND)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (E, IC, P)
 ♦ Teledyne Brown Engineering, Inc., Huntsville, AL (VM)
 THERMOCOAX Inc., Alpharetta, GA (RT)
 Trillium Flow Technologies, (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric), Houston, TX (V, VM, VS)
 Ultra Energy, (Weed Instrument), Round Rock, TX (RT)
 Valcor Engineering Corp., (Valcor Nuclear Div.), Springfield, NJ (V)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (EM, RT)

84600 Testing Services

AI Alloy Identification (On-Site)
 C Coatings
 CD Corrosion Detection
 EM Electric Motors
 ES Electrical Systems & Components
 EQ Environmental Qualification
 FR Fire Resistance/Flammability
 FL Flow
 FM Fracture Mechanics
 I Infrared
 IC Instrumentation & Control
 LF Laminar Flow Facilities
 LD Leak Detection, Tube
 LN Leak, Nuclear Gauge
 LS Leak, Radioactive Sealed Source
 LR Leak-Rate, Integrated
 LL Leak-Rate, Local
 M Materials
 ND Nondestructive
 PH Photometric Testing
 PL Plastics/Polymers
 P Pumps
 QS Quality Services
 SP Sealed Sources (Pressure, Temperature)
 S Seismic
 SI Siren Systems
 ST Structures
 TC Transport Containers
 U Ultrasonic
 V Vibration
 WT Wall Thinning Detection, Tube
 Advanced Measurement & Analysis Group Inc., Oakville, Canada (FL, U)
 Aggreko Ltd., Houston, TX

Aaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (C, EM, P)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (AI, C, M, ND, PH)
 ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH
 AVANTech, LLC, Knoxville, TN (ES, LF, LR, LL, M, ND, P)
 Bakelite Synthetics, Atlanta, GA (C)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (ES, IC, QS)
 BlackStarTech, Davenport, IA
 CBS Nuclear Services, Inc., Matthews, NC (ES)
 CM Technologies Corp., Coraopolis, PA (EM, ES, IC, ND)
 Concurrent Technologies Corporation, (Center for Advanced Nuclear Manufacturing), Johnstown, PA (AI, C, CD, EQ, FM, M, ND, QS, SP, S, ST, V)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (FM, WT)
 Constellation PowerLabs, Coatesville, PA (ES, EQ, FL, FM, I, IC, LF, LR, LL, M, ND, PH, PL, QS, SP, U, V)
 Container Products Corp., Wilmington, NC (TC)
 Crane Nuclear PFT Corp., Kennesaw, GA (EM, IC)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (LS, LR, LL, TC)
 ♦ Curtiss-Wright EST Group, Hatfield, PA (LD)
 Curtiss-Wright Nuclear Division, Brea, CA (C, CD, EM, ES, EQ, I, IC, LD, LL, M, ND, PL, QS, S, ST, U, V, WT)
 Curtiss-Wright Nuclear Division, Anatec, Brea, CA (LD, ND, QS, U, WT)
 Curtiss-Wright Nuclear Division, LMT, Hutchinson, MN (C, CD, IC, ND, QS, U)
 Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (M, ND, PL)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (EM, ES, EQ, I, IC, LL, QS, S, ST, V)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (EQ, S)
 Day & Zimmermann, Philadelphia, PA
 Dominion Engineering, Inc., Reston, VA (C, CD, M)
 Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (C, EM, ES, EQ, IC, M, ND, QS, S, V)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon, a Berkshire Hathaway company), Batavia, OH (EM, ES, EQ, FL, IC, LD, P, S, V)
 Enercon Services, Inc., Kennesaw, GA (C, CD, ES, EQ, FL, IC, LR, P, ST)
 ♦ EnergySolutions, Salt Lake City, UT
 Framatome Inc., (North American Headquarters), Lynchburg, VA (CD, EM, ES, EQ, FR, FM, IC, LF, LD, LN, LR, LL, M, ND, PH, P, QS, S, ST, U, V, WT)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (C, CD, ND, U)
 GE Hitachi Nuclear Energy, Wilmington, NC (EQ, FM, M, ND, V)
 GEI Consultants, Inc., Woburn, MA (S, V)
 Global Quality Management Advisors, Lynchburg, VA (S)
 GLSEQ, LLC, Huntsville, AL (EQ, ND, S, V)
 Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (LN, LS)
 Hennigan Engineering LLC, Hingham, MA (LD)
 Hydro, Inc., (HydroAire Services Division), Chicago, IL (P)
 ILD, Inc., Baton Rouge, LA
 Imperia Engineering Partners LLC, Milford, MA (C, ND, U, WT)
 Joseph Oat Corp., Camden, NJ
 Kinectrics Inc., Toronto, Ontario, Canada (AI, C, CD, EM, ES, EQ, FL, FM, IC, LD, LN, M, ND, PL, P, QS, S, ST, U, V, WT)
 Kinometrics, Inc., Pasadena, CA (S)
 Lambda Technologies, Cincinnati, OH (FM, M)

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Leak Testing Specialists, Inc., Orlando, FL (LL, ND, TC)
 Lincoln Structural Solutions, Louisville, NE (C, M, ND)
 Lucideon, Morrisville, NC (C, CD, ES, FM, M, PL, P, QS)
 Master-Lee Engineered Products Inc., Latrobe, PA
 Materials and Chemistry Laboratory, Inc., (MCLinc), Oak Ridge, TN (M)
 Mirion Technologies (Canberra) Inc., Meriden, CT (M)
 Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany (EQ, IC, QS, S, V)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (IC)
 National Electric Coil, Columbus, OH (EM)
 Netzsch Instruments North America LLC, Burlington, MA (FR, IC, M, ND)
 Newton Research Labs, Inc., Renton, WA (CD, U)
 NSL Analytical Services, Inc., Cleveland, OH (C, M, PL)
 NSSI/Recovery Services Inc., Houston, TX (SP, TC)
 Nucleonova S.L., Valencia, Spain (QS)
 NUCON International, Inc., Columbus, OH (LD)
 O'Donnell Consulting Engineers, Inc., Bethel Park, PA (FM, ST, V)
 Pajarito Scientific Corp., Santa Fe, NM (ND)
 ◆Paragon Energy Solutions, (Paragon), Fort Worth, TX (EM, ES, EQ, IC, M, ND, QS, S)
 PMT Nuclear, Woodridge, IL (EQ, FR, FL, IC, LL, M, P, S, V)
 Proxtronic, Dosimetry LLC, Alexandria, VA (LD, LN, LS)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (CD, LS)
 Rogante Engineering Office, Civitanova Marche, Italy (C, M, ND, PL, U)
 Sargent & Lundy, Chicago, IL (C, CD, EQ, FM, IC, M, ND, S, ST, V)
 Schulz Electric, Timken Power Systems, East Haven, CT (EM, ES, I, ND, V)
 SGS North America Inc., Vallejo, CA (ND)
 J. L. Shepherd & Assoc., San Fernando, CA (SP, TC)
 SIET, Piacenza, Italy (FL, LF, P, QS)
 Sigma Inc., Charlestown, IN (ND)
 Simpson Gumpertz & Heger (SGH), Chicago, IL (C, CD, FM, M, ND, S, ST, TC, V, WT)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (FM, ND, U)
 Sonic Systems International, LLC, Houston, TX (C, CD, ND, QS, U)
 Southwest Research Institute, San Antonio, TX (C, CD, ES, EQ, FR, FL, FM, M, ND, SP, S, ST, TC, V, WT)
 System One, Pittsburgh, PA (ND)
 ◆Teledyne Brown Engineering, Inc., Huntsville, AL (LS)
 Thermal Engineering International (TEI), Cerritos, CA
 Transco Products Inc., Streator, IL (FR)
 Ultra Energy, (Weed Instrument), Round Rock, TX
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (C, CD, ND, U)
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (C, CD, FM, M, ND, U)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (C, CD, EQ, IC, LS)
 Vysus Group, Houston, TX (FM)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (CD, EM, ES, EQ, FL, IC, LD, ND, P, QS, S, U)
 ◆Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (EM, EQ, S)

86130 Tools

C Custom-Made
 D Drop Prevention
 E Electric
 F FME

F FOSAR Retrieval
 H Hydraulic
 P Pneumatic
 VA Vacuum-Assisted
 ◆AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (C, E, H, P)
 Alphasource, Inc., Philadelphia, PA (F, F)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (C, H)
 American Crane & Equipment Corp., Douglassville, PA (C, E)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (C, E, H, P)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (C, E, H, P)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (C, E, H, P)
 Babcock Services, Inc., Kennewick, WA (C, H)
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (C)
 Carolina Fabricators, West Columbia, SC (C)
 Coastel Cable Tools, Inc., East Syracuse, NY (C, E)
 Concurrent Technologies Corporation, (Center for Advanced Nuclear Manufacturing), Johnstown, PA (C)
 Curtiss-Wright Nuclear Division, Brea, CA (C, E, H, P)
 Curtiss-Wright Nuclear Division, Nova, Middleburg Heights, OH
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (C, E, H, P)
 Curtiss-Wright Nuclear Division, Sciencetech, Idaho Falls, ID (C, E, H, P)
 Desco Mfg. Co., Inc., Rancho Santa Margarita, CA (C, E, F, P, VA)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (C, E, H, P)
 Eddyfi Technologies, Quebec City, Canada (C, F)
 EFCO USA, Inc., Charlotte, NC (C, E, P)
 Encorus Group, Springville, NY (C)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C, E, H, P)
 General Plastics Mfg. Co., Tacoma, WA (C)
 In-Place Machining Company, LLC, Blue Ash, OH (C)
 Integra Services Technologies Inc., Pasadena, TX (H)
 James Fisher Technologies, Loveland, CO (C, E, H, P)
 JNT Technical Services Inc., Little Ferry, NJ (C)
 Kinectrics Inc., Toronto, Ontario, Canada (C)
 Master-Lee Engineered Products Inc., Latrobe, PA (C, E, H, P)
 Mega-Tech Services, LLC, Cooksburg, PA (H)
 Merrick & Company, Greenwood Village, CO (C)
 Norbar Torque Tools, Inc., Willoughby, OH (C, E, H, P)
 Nord-Lock Inc., Clinton, PA (C)
 Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (C)
 PAR Systems, LLC, Saint Paul, MN (C, E)
 PD Design Group, LLC, Lake Villa, IL (C, E, H, P)
 ◆Petersen Inc., Ogden, UT (C)
 ◆Radiation Safety & Control Services, Inc., Seabrook, NH (C)
 Siempelkamp NIS, Alzenau, Germany (C, E, H, P)

86250 Trailers, Spent-Fuel Transport

Framatome Inc., (North American Headquarters), Lynchburg, VA
 ◆Orano USA, Bethesda, MD
 Tri-State Motor Transit Co., (A Div. of Roadmaster Group), (A DASEKE Co.), Glendale, AZ
 Turnkey Technical, Oliver Springs, TN

86260 Trailers, Transport

Barnhart Nuclear Services, Fairhope, AL
 ◆EnergySolutions, Salt Lake City, UT
 Framatome Inc., (North American Headquarters), Lynchburg, VA

Tri-State Motor Transit Co., (A Div. of Roadmaster Group), (A DASEKE Co.), Glendale, AZ
 Turnkey Technical, Oliver Springs, TN
 ◆UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA

86300 Training

AT Air Treatment
 AC Auditing, Codes & Standards
 AE Auditing, Environmental
 CH Chemistry
 C Communications
 CP Computer Users/Computer Personnel
 CM Construction Management Personnel
 CS Crane & Rigging Safety
 D Decommissioning
 EP Emergency Planning & Response
 EM Engineering Management
 EE Engineers, Electrical
 ME Engineers, Mechanical
 ES Engineers, Structural
 EL Environmental Laws & Regulation
 EQ Equipment Qualification
 FP Fire Protection
 FD Fitness-for-Duty, Behavioral Observation
 FC Fuel Cycle/Performance Analysis
 FT Fuel Transport/Storage
 HV HVAC Maintenance
 I Instructors, Classroom & Simulator
 LD Leadership Development
 L Licensing
 M Maintenance
 MN Management
 NT Nondestructive Testing
 OE Organizational Effectiveness
 OS OSHA Compliance
 PC Process Control Statistical
 PM Project Management
 QA Quality Assurance/Quality Control
 RM Radiation Management (ALARA)
 RP Radiation Protection
 RC Radiochemistry
 RA Reliability Analysis
 RS Respiratory Protection
 RT Root Cause Analysis
 SE Safety Evaluation
 S Scaffolding
 SP Security Personnel
 SQ Seismic Qualification
 SR Simulators, Radiation
 TB Team Building
 TE Technicians, Electrical
 TI Technicians, Instrumentation & Control
 TL Technicians, Laboratory
 TM Technicians, Mechanical
 TS Technicians, Security
 WM Waste Management
 WP Waste Packaging Transportation & Disposal
 WC Water Chemistry
 3G Services Company LLC, Clinton, MS (TE, TI, TL, TM)
 Adam Brown Consulting, Inc., Cary, IL (QA, RT, SE)
 Advanced Consulting Group, Inc., Chicago, IL (EM, ES, MN, PM)
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (OS, PM, QA, RM, RP, RT, TE, TI, TL, TM, WM)
 Advetage Solutions, El Segundo, CA (D, RM, RP)
 Alphasource, Inc., Philadelphia, PA (M)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (EQ)
 American Crane & Equipment Corp., Douglassville, PA (CS, OS)
 American DND Engineering, PC, Ellicottville, NY (ES)
 F.N. Anderson & Assoc., Forest, VA (QA)
 Applied Analysis Corp., Reading, PA (ME, SE)
 Applied Science Professionals, LLC, (ASP-LLC), Salt Lake City, UT (RM, RP, RT)



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- Oct. 11-13 – Virginia Beach, VA
- Dec. 4-7 – Las Vegas, NV

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<https://www.anl.gov/eof/facility-decommissioning-training-course>

Information:

Lawrence E. Boing
 Facility Decommissioning
 TC Director
 Phone 630-252-6729
 Fax 630-252-7577
 email: lboing@anl.gov

Argonne National Laboratory
 EOF Division – Special Projects
 9700 South Cass Avenue
 Argonne, IL 60439

ARES Security Corp., Vienna, VA (EP, FP, RM, SP, TB)
 ◆ Argonne National Laboratory, (EOF Div.), Argonne, IL (EM, MN, WM)
 Arkitek Scientific, Paso Robles, CA (C)
 AVANTech, LLC, Knoxville, TN (TE, WM, WC)
 Bevelacqua Resources, Owens Cross Roads, AL (EP, QA, RM, RP, RS, SE, WM)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (CH, CM, CS, EP, EM, EE, ME, ES, EQ, HV, I, LD, M, OS, PM, QA, RM, RP, RC, RS, SE, S, TE, TI, TL, TM, WM, WC)
 Black & Veatch, Overland Park, KS (EM, EE, ME, ES, EQ, OE, PM, QA, RT, SE, SQ)
 Boston Government Services, LLC (BGS), Oak Ridge, TN (AC, CP, EM, SE)
 Bureau Veritas Inspection & Insurance Co., Lynn, MA (QA)
 ◆ Burns & McDonnell, Kansas City, MO (EE, ME, ES, EL, FP, PM, QA)
 Carignan & Associates LLC, Chattanooga, TN (D, PM)
 Chesapeake Nuclear Services, Inc., Annapolis, MD (RP, RC)
 CM Technologies Corp., Coraopolis, PA (TE, TI)
 CPMQ Consulting, LLC, Huntsville, AL (RT)
 Crane Nuclear PFT Corp., Kennesaw, GA (TE, TI, TM)
 CTR Technical Services, Inc., Manitou Springs, CO (I)
 Curtiss-Wright Nuclear Division, Brea, CA (CH, EP, EQ, I, L, M, NT, QA, RP, RC, RA, RT, SE, SQ, TM, WM)
 Curtiss-Wright Nuclear Division, Anatec, Brea, CA (NT)
 Curtiss-Wright Nuclear Division, Enertech, Brea, CA (EQ, I, M, QA, TM)
 Curtiss-Wright Nuclear Division, LMT, Hutchinson, MN (NT, QA)
 Curtiss-Wright Nuclear Division, NETCO, Danbury, CT (WM)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (EQ, M, SQ)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (CH, EP, EQ, I, L, M, QA, RP, RC, RA, RT, SE)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (EM, EE, ME, L, M, MN, PM, RM)
 DB2 Consulting Inc., Baltimore, Ontario, Canada (MN)
 DCS Systems, Inc., Simsbury, CT (AC, FC, QA, RT)
 Deytec, Inc., Ashburn, VA (AC, FP, L, SE)
 DW James Consulting, North Oaks, MN (WM, WP)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (M, TM)
 ECU Corporation, Cincinnati, OH (AT, HV)
 Eddyfi Technologies, Quebec City, Canada (NT)
 EFCO USA, Inc., Charlotte, NC (M)
 Elcometer Education Institute, Warren, MI (AC, AE, QA)
 Enercon Services, Inc., Kennesaw, GA (CH, EM, EE, ME, ES, EL, FT, I, M, MN, QA, RP, RC, RA, RT, TI, TM, WM)
 Energy, Technology and Environmental Business Association, Oak Ridge, TN (WM)
 ◆ EnergySolutions, Salt Lake City, UT (AC, CH, EL, FT, I, OS, PM, QA, RM, RP, RC, RT, SE, TI, WM)
 Engineering Planning and Management, Inc., Framingham, MA (AC, EQ, FP)
 Environmental Restoration Group, Inc., Albuquerque, NM (RP)
 EXCEL Services Corporation, Rockville, MD (AE, EM, EE, ME, ES, FP, L, M, MN, RT, SE, SP, TB)
 Exitech Corp., Maryville, TN (AC, CP, EE, ME, I, MN, OS, PM, RT, SE, TB)
 F.E. Moran Special Hazard Systems, Northbrook, IL (FP)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (AC, CH, CS, EP, EM, EE, ME, FP, FC, FT, I, M, NT, PM, QA, RM, RP, RC, SE, TE, TI, TL, TM)

The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (RC)
 Geovariances, Avon, France (WM)
 Global Network of Companies LLC, Johannesburg, South Africa (C, CP, MN)
 Global Quality Management Advisors, Lynchburg, VA (AC, AE, CM, EM, ME, LD, MN, OE, PM, QA, RT, SQ)
 GLSEQ, LLC, Huntsville, AL (EQ, L, SQ)
 Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (WM)
 Hukari Ascendent, Wheat Ridge, CO (L, QA, SE)
 Human Resources Consulting, Gallatin, TN
 ◆ I.C.E. Service Group, Inc., Moon Township, PA (PM, WM)
 ILD, Inc., Baton Rouge, LA (ME)
 InVizion LLC, Bala Cynwyd, PA (PM)
 Jensen Hughes, Baltimore, MD (EM, EE, ME, ES, EQ, FP, QA, RA, RT, SQ)
 KCI Engineering Consultants, Downers Grove, IL (EQ)
 Kinetrics Inc., Toronto, Ontario, Canada (CH, D, EE, ME, EQ, L, NT, RM, RP, RC, RT, SQ, WM)
 Kinematics, Inc., Pasadena, CA (SQ)
 Klein Consulting LLC, Norwich, CT (AC, QA)
 L3Harris MAPPS Inc., (Power Systems and Simulation), Montreal, Quebec, Canada (I, SR)
 Leak Testing Specialists, Inc., Orlando, FL (NT)
 LeBlond and Associates, LLC, Libertyville, IL (I, L, QA, SE)
 A. C. Macris, Consultants, Mystic, CT (EM, I, TB)
 Meridian Services Group, (formerly Work Management, Inc., and High Bridge Associates, Inc.), Chattanooga, TN (CM, EM, LD, M, MN, OE, PM, RT, TB)
 METOIL, Praha, Czech Republic (The) (RC)
 Mirion Technologies (Canberra) Inc., Meriden, CT (NT, QA, RM, RP, RC, WM)
 ◆ NAC International Inc., Peachtree Corners, GA (FC, FT)
 Neptune and Company, Inc., Lakewood, CO (QA, RM)
 NETCo, Windsor, ME (SP, TI, TS)
 North Wind Group, Idaho Falls, ID (AE, SE, SQ, TE, TI, TL, TM, WM)
 NSSI/Recovery Services Inc., Houston, TX (RP)
 Nucleonova S.L., Valencia, Spain (QA)
 NUCON International, Inc., Columbus, OH (AT, NT)
 ORTEC, Oak Ridge, TN (RP, RC)
 Pajarito Scientific Corp., Santa Fe, NM (QA)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (M)
 PMT Nuclear, Woodridge, IL (AT, HV)
 Power & Energy Systems Services, Oradell, NJ (CP, ME, TI, TM)
 Powerfect Service, Inc., Brick, NJ (M)
 Prospect Law Ltd., London, United Kingdom (AE, EL, FT, OE, TB)
 PROTEM USA, Evergreen, CO (M)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (WM, WP)
 ◆ Radiation Safety & Control Services, Inc., Seabrook, NH (RM, RP, SR)
 Radiological Solutions Inc., Rockdale, IL (CH, RC, WC)
 Red Wolf Associates, Cary, NC (EQ, LD, MN, TB)
 ReNuke, Oak Ridge, TN (OS, RM, RS, SE, WM)
 RETAQS, Inc., Blue Bell, PA (EM, FC, MN)
 Right Brain Security, Oswego, IL (SP)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (EP, RM, RP, WM)
 Sargent & Lundy, Chicago, IL (AT, AC, AE, CH, CP, CM, EP, EM, EE, ME, ES, EL, EQ, FP, L, M, MN, NT, PM, QA, RM, RP, RA, RT, SE, SQ, TB, WM, WC)
 SGS North America Inc., Vallejo, CA (M, NT, TL)
 Shipsrock Consulting, LLC, Westport, MA (AT, CH, C, D, LD, RC, TB, WC)
 Siempelkamp NIS, Alzenau, Germany (D, EQ, TE, TM)

SimGenics Simulation Systems LLC, Southlake, TX
Howard L. Sobel, P.E., Oceanside, NY (FC, QA, WM)
Sonic Systems International, LLC, Houston, TX (NT, QA)
Southwest Research Institute, San Antonio, TX (EL, FP, I, RP, RA)
Studsvik Scandpower Inc., Wilmington, NC (FC)
Success Staging International, LLC, Evans, GA (PM, QA)
Swagelok Company, Solon, OH (M, QA, TM)
System One, Pittsburgh, PA (NT, OS, QA, SE)
Taurus Telesys Inc., Newport News, VA
Teletrix, Pittsburgh, PA (EP, SR)
Tetra Tech Inc., Richland, WA (AC, AE, D, EL, EQ, PM, QA, RM, RP, WM)
The Delphi Groupe, Inc., Austin, TX (AC, AE, CH, EP, EL, FP, PM, QA, RM, RP, RC, RS, TL, WM, WC)
Thermal Engineering International (TEI), Cerritos, CA
TLG Services, LLC, (sub. of Entergy Corp.), Bridgewater, CT (D)
Transco Products Inc., Streator, IL (FP)
TransWare Enterprises Inc., St. Louis, MO (FC, FT)
Tri Nuclear Corp., Troy, NY (I)
Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (QA)
University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (CH, ME, ES, EL, LD, NT, WM)
UxC, LLC, Roswell, GA (FC, FT)
vgbe energy service GmbH, Essen, Germany (EM)
Volian Enterprises, Inc., Murrysville, PA (AC, EP, EM, EE, ME, FD, I, PC, SE)
VTT Technical Research Centre of Finland, VTT, Finland (SE)

Westinghouse Electric Co. LLC, Cranberry Township, PA (CH, CM, CS, EP, EM, EE, ME, ES, EQ, FC, FT, HV, I, LD, M, NT, OS, PM, QA, RM, RP, RC, RS, RT, SE, S, TE, TI, TL, TM, WM, WC)
WM Symposia, Tempe, AZ (WM)
♦ WMG, Inc., Peekskill, NY (AC, CP, EL, WM)
WSC, Inc., Frederick, MD

86400 Training Centers, Facilities

3G Services Company LLC, Clinton, MS
Crane Nuclear PFT Corp., Kennesaw, GA
Elcometer Education Institute, Warren, MI
Exitech Corp., Maryville, TN
Framatome Inc., (North American Headquarters), Lynchburg, VA
GE Hitachi Nuclear Energy, Wilmington, NC
Global Network of Companies LLC, Johannesburg, South Africa
Ironworker Management Progressive Action Cooperative Trust (IMPACT), Washington, DC
L3Harris MAPPs Inc., (Power Systems and Simulation), Montreal, Quebec, Canada
Leak Testing Specialists, Inc., Orlando, FL
♦ Radiation Safety & Control Services, Inc., Seabrook, NH
Technical Management Services, Inc., New Hartford, CT

86500 Training Materials, Courseware

AV Audio-Visual Aids
CA Computer-Aided
DV Digital Video, Interactive
M Models, Mockups
T Textual
ARES Security Corp., Vienna, VA (M)

Arkitek Scientific, Paso Robles, CA (AV, CA, DV, M)
ASQ Energy & Environmental Division, Milwaukee, WI (CA, DV, T)
Bevelacqua Resources, Owens Cross Roads, AL (T)
BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (AV, M)
Curtiss-Wright Nuclear Division, Brea, CA (M)
Curtiss-Wright Nuclear Division, EnerTech, Brea, CA (M)
Deytec, Inc., Ashburn, VA (AV, CA, T)
Elcometer Education Institute, Warren, MI (T)
♦ EnergySolutions, Salt Lake City, UT (AV, CA, DV, T)
Exitech Corp., Maryville, TN (AV, CA, DV, M, T)
Framatome Inc., (North American Headquarters), Lynchburg, VA (AV, CA, M, T)
L3Harris MAPPs Inc., (Power Systems and Simulation), Montreal, Quebec, Canada (AV, CA)
LeBlond and Associates, LLC, Libertyville, IL (CA, T)
A. C. Macris, Consultants, Mystic, CT (CA, M, T)
Navarro, Oak Ridge, TN (AV, CA, DV, M, T)
PMT Nuclear, Woodridge, IL (M)
Power & Energy Systems Services, Oradell, NJ (AV, T)
Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (M)
Sargent & Lundy, Chicago, IL (AV, CA, DV, T)
Siempelkamp NIS, Alzenau, Germany (M)
SimGenics Simulation Systems LLC, Southlake, TX (DV, M)
Southwest Research Institute, San Antonio, TX (AV, CA, DV, M, T)
Success Staging International, LLC, Evans, GA (AV, CA, DV, M, T)
Taurus Telesys Inc., Newport News, VA (CA)



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Technical Management Services, Inc., New Hartford, CT (T)
 Theseus Professional Services, LLC, Baltimore, MD (CA)
 Volian Enterprises, Inc., Murrysville, PA (T)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (AV, M)
 Winsted Corp., (Winsted Technical Interiors Div. of Winsted Corp.), Minneapolis, MN (CA, M)
 ◆ WMG, Inc., Peekskill, NY (AV, CA, DV, T)

86900 Translation Services

EmmEn Marketing Consultants, Pune, Maharashtra, India
 Interdevelopment, Inc., Washington, DC

87000 Transport Services

C Consulting/Transport Management
 DC Dry Cask
 HC Heavy Components
 IR Intermodal/Rail
 L Liners
 HL Radioactive, High-Level
 LL Radioactive, Low-Level
 TP Transload Facility, Permanent
 TT Transload Facility, Temporary
 Accelerated Decommissioning Partners - ADP, Dallas, TX (DC, HL, LL)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (C, HC, IR, L, LL, TP, TT)

◆ American DND Inc., Grand Island, NY (C)
 AVANTech, LLC, Knoxville, TN (L)
 Barnhart Nuclear Services, Fairhope, AL (HC, IR, LL)
 Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (L, HL, LL)
 CS-2 Inc., Grand Island, NY (C)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (C, IR)
 Ebersen, Inc., Minneapolis, MN (C, HC)
 ◆ EnergySolutions, Salt Lake City, UT (C, HC, IR, L, HL, LL)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (C, HC, IR, HL, LL)
 General Plastics Mfg. Co., Tacoma, WA (L)
 GNS Gesellschaft für Nuklear-Service mbH, Essen, Germany (C, DC, HL)
 Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (C, HL, LL)
 ◆ I.C.E. Service Group, Inc., Moon Township, PA (C, DC, HC, IR, L, HL, LL, TP, TT)
 Kinectrics Inc., Toronto, Ontario, Canada (C, L, LL)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (DC)
 Landstar, Burlington, KY (C, DC, HC, L, LL)
 Longenecker & Associates, Inc., Las Vegas, NV (C)
 ◆ NAC International Inc., Peachtree Corners, GA (C, DC, IR, HL, LL)

Also see advertisement on page 9

NAC Philotechnics, Ltd., Oak Ridge, TN (C, LL)
 North Wind Group, Idaho Falls, ID (C, IR)
 NSSI/Recovery Services Inc., Houston, TX (C, LL)
 Orano Decommissioning Services, Hudson, MA (DC, HL, LL)
 Orano TN, Columbia, MD (C, DC, IR, HL, LL)
 ◆ Orano USA, Bethesda, MD (C, DC, IR, HL, LL)
 ◆ Petersen Inc., Ogden, UT (HC)
 Prospect Law Ltd., London, United Kingdom (C)
 PTP Spent Fuel Services, LLC, Grand Island, NY (C, HC, IR, LL)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (C, LL)
 ◆ Strategic Packaging Systems, (I.C.E. Packaging Company, LLC), Madisonville, TN (C, HC, IR, L, HL, LL)
 Studsvik, Inc., Sandy Springs, GA (HC, IR, LL)

Tri-State Motor Transit Co., (A Div. of Roadmaster Group), (A DASEKE Co.), Glendale, AZ (C, DC, HC, HL, LL)
 Turnkey Technical, Oliver Springs, TN (C, DC, HC)
 VAT Group, San Jose, CA
 Waste Control Specialists LLC, Andrews, TX (LL)

87380 Tritium Handling Equipment

ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada
 Kinectrics Inc., Toronto, Ontario, Canada
 Ludlum Measurements, Inc., Sweetwater, TX
 Major Tool & Machine, Indianapolis, IN
 Merrick & Company, Greenwood Village, CO
 NSSI/Recovery Services Inc., Houston, TX
 NUCON International, Inc., Columbus, OH
 Veolia Nuclear Solutions - Federal Services, Piketon, OH
 ◆ Wagstaff Applied Technologies, Spokane, WA
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

87395 Tritium Recycle & Extraction Equipment

Major Tool & Machine, Indianapolis, IN
 Merrick & Company, Greenwood Village, CO
 NSSI/Recovery Services Inc., Houston, TX
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

87400 Tritium Removal Equipment

ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada
 ISO-PACIFIC Remediation Technologies, Inc., Richland, WA
 Merrick & Company, Greenwood Village, CO
 NSSI/Recovery Services Inc., Houston, TX
 NUCON International, Inc., Columbus, OH
 Veolia Nuclear Solutions - Federal Services, Piketon, OH
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA

90100 Vacuum Equipment & Accessories

Camfil USA, Inc., Washington, NC
 Coastal Network, Inc., Charlottesville, VA
 Desco Mfg. Co., Inc., Rancho Santa Margarita, CA
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL
 ◆ Goodway Technologies, Stamford, CT
 HI-Q Environmental Products Company, Inc., San Diego, CA
 Joseph Oat Corp., Camden, NJ
 Major Tool & Machine, Indianapolis, IN
 Master-Lee Engineered Products Inc., Latrobe, PA
 NFT, by Alpha Safety Group, Golden, CO
 PAVE Technology Co., Dayton, OH
 RADeCO, Inc., Plainfield, CT
 River Technologies, LLC, Forest, VA
 Schutte and Koerting, Treviso, PA
 Sigma Inc., Charlestown, IN
 Tri Nuclear Corp., Troy, NY
 ◆ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT
 VAT Group, San Jose, CA

90250 Valve Operators (Actuators)

A Air
 ES Electric Solenoid
 EH Electrohydraulic

EX Explosive-Activated
 H Hydraulic
 MN Manual
 M Motor
 Basic E, Inc., Charlotte, VT (A, H, MN, M)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (A, M)
 Conval, Inc., Enfield, CT (A, ES, EH, H, MN, M)
 Crane Nuclear PFT Corp., Kennesaw, GA (A, EH, H, M)
 descote, Feyzin, France (A)
 Dragon Valves, Inc., Norwalk, CA (A)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (A, H, MN, M)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon®, a Berkshire Hathaway company), Batavia, OH (A, EH)
 Energy Steel, Rochester Hills, MI (A, H, MN, M)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, ES, EH, H, MN, M)
 GE Hitachi Nuclear Energy, Wilmington, NC (M)
 IMI Critical Engineering, Burlington, Canada (A, MN)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (EX)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (EX)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (A, ES, H, MN, M)
 PMT Nuclear, Woodridge, IL (A, ES, EH, H, MN, M)
 QTRCO, Inc., Tomball, TX (A, EH, H)
 Schulz Electric, Timken Power Systems, East Haven, CT (M)
 Sigma Inc., Charlestown, IN (A, ES, EH, H, MN, M)
 ◆ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (A, ES, EH, H, MN, M)
 Swagelok Company, Solon, OH (A, H)
 Valcor Engineering Corp., (Valcor Nuclear Div.), Springfield, NJ (ES)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (A, ES, EH, EX, H, MN, M)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (A, ES, EH, EX, H, MN, M)
 WTM Valves and Services - Hammel Dahl, (Div. of Wright Technical Marketing), Lewisburg, PA (A)

90280 Valve Packing Removal Equipment

Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, AP Services, Middleburg Heights, OH
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 SERCO USA, Evergreen, CO

90320 Valve-Reseating Equipment, On-line

◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC
 Crane Nuclear PFT Corp., Kennesaw, GA
 EFCO USA, Inc., Charlotte, NC
 Framatome Inc., (North American Headquarters), Lynchburg, VA
 SERCO USA, Evergreen, CO

90330 Valve Stem Gland Packing Systems, Live-Loaded

BNL Industries, Inc., Vernon Rockville, CT
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL
 Curtiss-Wright Nuclear Division, Brea, CA
 Curtiss-Wright Nuclear Division, AP Services, Middleburg Heights, OH
 Westinghouse Electric Co. LLC, Cranberry Township, PA

90600 Valves, Check, Stop Check

- AC Air-Cylinder-Assisted
 B Ball
 CC Controlled-Closure
 NS Non-Slam
 PO Piston-Operated
 SL Spring-Loaded
 ST Swing Type
 SA Swing Type, Alloy
 TD Tilting Disk
- ◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (AC, B, CC, NS, PO, SL, ST, SA, TD)
 ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH (B)
 Basic E, Inc., Charlotte, VT (B)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (PO)
 BNL Industries, Inc., Vernon Rockville, CT (NS, SL)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (B, PO, SL, ST, SA)
 Conval, Inc., Enfield, CT (B, PO, SL)
 Crane Nuclear PFT Corp., Kennesaw, GA (ST, TD)
 Curtiss-Wright Nuclear Division, Brea, CA (B)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (B)
 DFT Inc., Exton, PA (NS, SL)
 Dragon Valves, Inc., Norwalk, CA (CC, SL)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (AC, B, CC, NS, PO, SL, ST, SA, TD)
 NuSource LLC, Alexandria, VA (B, PO, SL)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (B, PO, SL, ST, SA, TD)
 Schutte and Koerting, Treviso, PA (AC, PO, ST, SA)
 Sigma Inc., Charlestown, IN (AC, B, CC, NS, PO, SL, ST, SA, TD)
 Swagelok Company, Solon, OH (B, SL)
 Trillium Flow Technologies, (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric), Houston, TX (AC, CC, NS, PO, SL, ST)
 Valcor Engineering Corp., (Valcor Nuclear Div.), Springfield, NJ (CC, PO, SL)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (PO, ST, SA)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (AC, B, CC, NS, PO, SL, ST, SA, TD)

90800 Valves, Control

- F Flow
 FA Flow, Acoustic Emission
 I Intelligent
 P Pressure
 T Temperature
 V Vacuum
- ◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (F, FA, I, P, T, V)
 ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH (F)
 Basic E, Inc., Charlotte, VT (F, P, T, V)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (F, P)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (F, P)
 Conval, Inc., Enfield, CT (F, P, T)
 Curtiss-Wright Nuclear Division, Brea, CA (F, P, T)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (F, P, T)
 descote, Feyzin, France (F)
 DFT Inc., Exton, PA (F, P)
 Dragon Valves, Inc., Norwalk, CA (F)
 E.H. Wachs, (A Div. of ITW), Lincolnshire, IL (I, V)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (F, FA, I, P, T, V)
 HI-Q Environmental Products Company, Inc., San Diego, CA (V)

- IMI Critical Engineering, Burlington, Canada (F, FA, I)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (F)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (F)
 NuSource LLC, Alexandria, VA (F, P)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (F, P, T, V)
 RADeCO, Inc., Plainfield, CT (V)
 Schutte and Koerting, Treviso, PA (F, P)
 Sigma Inc., Charlestown, IN (F, P, T, V)
 ◆ SSM Industries, Inc., (Nuclear Div.), Pittsburgh, PA (F)
 Swagelok Company, Solon, OH (F, P, V)
 Trillium Flow Technologies, (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric), Houston, TX (F, P, T)
 Valcor Engineering Corp., (Valcor Nuclear Div.), Springfield, NJ (F, P, T, V)
 VAT Group, San Jose, CA (P, V)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (F, P, T, V)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (F, FA, I, P, T, V)
 WTM Valves and Services - Hammel Dahl, (Div. of Wright Technical Marketing), Lewisburg, PA (F, FA, P, T)

91000 Valves, Gate

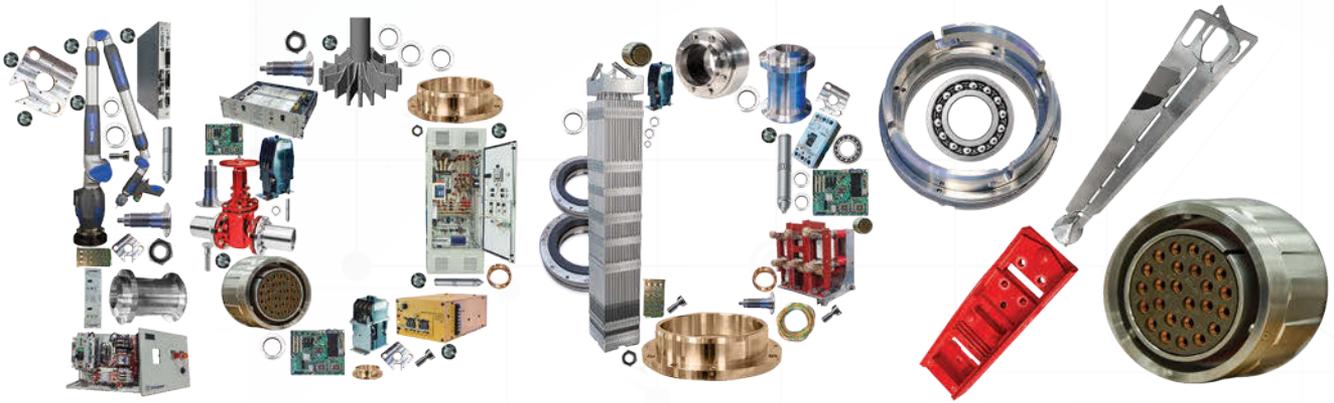
- B Bellows Seal
 JA Jacketed Alloy
 K Knife
 PS Parallel Slide Type
 W Wedge Type
- ◆ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (B, JA, K, PS, W)
 ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH (B, JA, K, W)
 Basic E, Inc., Charlotte, VT (K)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (PS, W)
 Conval, Inc., Enfield, CT (B, W)
 Crane Nuclear PFT Corp., Kennesaw, GA (PS, W)
 Curtiss-Wright Nuclear Division, Brea, CA (B)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (B)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (B, JA, K, PS, W)
 GE Hitachi Nuclear Energy, Wilmington, NC (W)
 IMI Critical Engineering, Burlington, Canada (W)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (B, K, PS, W)
 ◆ Petersen Inc., Ogden, UT (JA, K, PS, W)
 Sigma Inc., Charlestown, IN (B, K, PS, W)
 Trillium Flow Technologies, (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric), Houston, TX (PS)
 VAT Group, San Jose, CA (B, JA, K, PS, W)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (W)
 ◆ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (B, JA, K, PS, W)

91260 Valves, Other

- BW Backwater
 B Ball
 BU Burner
 BF Butterfly
 D Diaphragm
 EF Excess-Flow
 FS Fail-Safe
 FI Feedwater Isolation
 FL Filter, In-Line
 FD Fire Deluge
 FM Flow Monitoring/Alarm System
 FB Flush Bottom Tank

- G Globe
 GB Globe, Bellows
 IM Instrumentation Manifold
 IS Isolation Shutoff
 LB Line-Blind
 MS Main Steam Isolation
 M Miniature
 N Needle
 P Packless
 PL Plastic-Lined
 PG Plug
 PR Pressure Regulating
 PU Pump Recirculation
 Q Quick-Opening & -Closing
 R Ram-Type
 RS Relief, Safety
 SL Slurry
 SO Solenoid
 V Vacuum

- ASC Engineered Solutions, (formally known as Anvil International, LLC), Exeter, NH (B, BF, G, GB, SL, SO)
 ASVAD INTL SL, Tarragona, Spain (FS, PR, Q, RS)
 AVANTech, LLC, Knoxville, TN (BW, B, BF, D, SO, V)
 Basic E, Inc., Charlotte, VT (B, BF, D, FL, FD, G, GB, M, N, RS, SL, SO)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (BF, FL, G, MS, PG, RS)
 BNL Industries, Inc., Vernon Rockville, CT (B, EF, FS, Q, V)
 C.J. Enterprises, (Div. of C.J. Instruments, Inc.), Tarzana, CA (PR)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (B, BF, G, PG, PR, SO)
 Conval, Inc., Enfield, CT (B, FI, FL, G, GB, IS, MS, N, P, PU)
 Crane Nuclear PFT Corp., Kennesaw, GA (B, BF, FI, G, PG)
 Curtiss-Wright Nuclear Division, Brea, CA (BF, D, EF, FS, FI, G, GB, IM, IS, MS, N, P, PG, PU, Q, RS, SL, SO, V)
 Curtiss-Wright Nuclear Division, EnerTech, Brea, CA (BF, D, EF, FS, FI, G, GB, IM, IS, MS, N, P, PG, PU, Q, RS, SL, SO, V)
 descote, Feyzin, France (FB, G, GB, N, RS)
 Dragon Valves, Inc., Norwalk, CA (D, EF, G, GB, IM, M, N, P, PG, Q, SO)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (BF)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (B, BF, FM, G, GB, MS, SO)
 IMI Critical Engineering, Burlington, Canada (B, BF, G, GB, M)
 K-Tek International Inc., Wilsonville, OR (B, EF, FI, GB)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (D, Q, RS)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (D, Q, RS)
 Nuclear Energy Components Ltd, Hope Valley, Derbyshire, United Kingdom (RS)
 NuSource LLC, Alexandria, VA (B, G, GB, IM, IS, M, N, PG, PR, RS, SO)
 ◆ Paragon Energy Solutions, (Paragon), Fort Worth, TX (B, BF, D, FI, G, GB, IM, IS, M, N, P, PG, PR, RS, SO)
 Preferred Engineering Corp., (Sub. of Preferred Utilities Mfg. Corp.), Danbury, CT (PG)
 Schutte and Koerting, Treviso, PA (MS, PR, Q, RS)
 Sigma Inc., Charlestown, IN (B, BF, D, FS, G, GB, IM, IS, N, PR, RS, SL, SO)
 Swagelok Company, Solon, OH (B, D, GB, M, N, P, PG, Q, RS)
 Technology for Energy Corp., Knoxville, TN (FM)
 Trillium Flow Technologies, (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric), Houston, TX (BF, FS, FI, G, IS, MS)



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Valcor Engineering Corp., (Valcor Nuclear Div.), Springfield, NJ (EF, FS, FI, GB, IM, IS, M, N, P, PR, Q, SO, V)
 VAT Group, San Jose, CA (BF, D, IS, V)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (B, BF, FL, G, IM, MS, RS, SO)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (BW, B, BU, BF, D, EF, FS, FI, FL, FD, FM, FB, G, GB, IM, IS, LB, MS, M, N, P, PL, PG, PR, PU, Q, R, RS, SL, SO, V)
 WTM Valves and Services - Hammel Dahl, (Div. of Wright Technical Marketing), Lewisburg, PA (BF, G, GB, PR, PU)

91380 Valves, Pressure Seal

BL Breech Lock
 G Gate
 GL Globe
 PC Piston Check
 SC Swing Check
 TD Tilting Disk
 W Wafer Check Valves
 ♦ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (BL, G, GL, PC, SC, TD, W)
 Basic E, Inc., Charlotte, VT (G, GL, SC, W)
 BNL Industries, Inc., Vernon Rockville, CT (W)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (G, GL, PC, SC)
 Conval, Inc., Enfield, CT (G, GL, PC)
 Crane Nuclear PFT Corp., Kennesaw, GA (G, GL, PC, SC, TD, W)
 Curtiss-Wright Nuclear Division, Brea, CA (G, GL, PC, SC, TD, W)
 Curtiss-Wright Nuclear Division, Enertech, Brea, CA (G, GL, PC, TD, W)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (G, GL, SC)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (G, GL, PC)
 GE Hitachi Nuclear Energy, Wilmington, NC (G)
 IMI Critical Engineering, Burlington, Canada (PC)
 K-Tek International Inc., Wilsonville, OR (GL, W)
 NuSource LLC, Alexandria, VA (GL)
 ♦ Paragon Energy Solutions, (Paragon), Fort Worth, TX (G, GL, PC, SC, TD, W)
 Schutte and Koerting, Trevese, PA (SC)
 Sigma Inc., Charlestown, IN (G, GL, PC, SC, TD, W)
 Trillium Flow Technologies, (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric), Houston, TX (G, GL, SC, W)
 ValTechnologies, Houston, TX (GL)
 VAT Group, San Jose, CA (BL, G)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (SC)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (BL, G, GL, PC, SC, TD, W)

92300 Vessels

F Flasks, Water, Valve-Operating
 P Pressure
 PR Pressure, Reactor
 ♦ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (P)
 Aerofin, Lynchburg, VA (P)
 Atlas Industrial Manufacturing Co., Clifton, NJ (P)
 AVANTech, LLC, Knoxville, TN (F, P)
 Carolina Fabricators, West Columbia, SC (F, P, PR)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (P, PR)
 Curtiss-Wright Nuclear Division, Brea, CA (P)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (P)
 DuBose National Energy Services, Inc., Clinton, NC (P)
 Ellis & Watts Global Industries, Inc., (a sub. of Marmon, a Berkshire Hathaway company), Batavia, OH (P)

Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (P, PR)
 Energyen Corporation, (Sales Operation), Gunsan, Korea (The Republic of) (F, P)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (P, PR)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (P)
 GE Hitachi Nuclear Energy, Wilmington, NC (P, PR)
 Heatric Division of Meggitt (UK) Ltd., Poole, Dorset, United Kingdom (P)
 ♦ Holtec International, Camden, NJ (P)
 Joseph Oat Corp., Camden, NJ (P, PR)
 K-Tek International Inc., Wilsonville, OR (P)
 Major Tool & Machine, Indianapolis, IN (P, PR)
 NuSource LLC, Alexandria, VA (P, PR)
 ♦ Petersen Inc., Ogden, UT (P)
 Piping Technology & Products, Inc., Houston, TX (P)
 PMT Nuclear, Woodridge, IL (P)
 Precision Custom Components, LLC, York, PA (F, P, PR)
 Premier Technology, Inc., Blackfoot, ID (PR)
 SKODA JS a.s., Pizen, Bolevec, Czech Republic (The) (P, PR)
 Super Radiator Coils, Chaska, MN (P)
 ♦ Teledyne Brown Engineering, Inc., Huntsville, AL (P)
 Thermal Engineering International (TEi), Cerritos, CA (P)
 TW Metals - Nuclear Materials Solutions, Leetsdale, PA (P, PR)
 ♦ Wagstaff Applied Technologies, Spokane, WA (F, P, PR)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (F, P, PR)

92800 Video Services

I Inspection
 PP Plant Photodocumentation
 R Remote
 U Underwater
 Ahlberg Cameras, Wilmington, NC (I, R, U)
 ASI Marine, Orchard Park, NY (I, U)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (I, R, U)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (I, R, U)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (I, R, U)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (I, R)
 CYCLIFE, (Brand of EDF Group), Puteaux, France (I)
 Day & Zimmermann, Philadelphia, PA (I, PP, R, U)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (I, R, U)
 ISEC Monitoring Systems AB, Helsingborg, Sweden (I, PP, R, U)
 James Fisher Technologies, Loveland, CO (I, R, U)
 Lenox Instrument Co., Inc., Trevose, PA (R, U)
 Master-Lee Engineered Products Inc., Latrobe, PA (I, R, U)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (R, U)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (R, U)
 Radium Inc., Waynesboro, VA (I, PP, R, U)
 Sidus Solutions LLC, San Diego, CA (I, R, U)
 TECHWAY, Villebon-sur-Yvette, France (I, U)
 ♦ Thermo Scientific - CIDTEC Cameras & Imagers, (Part of Thermo Fisher Scientific), Liverpool, NY (I, R, U)
 ♦ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (R, U)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (I, R, U)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (I, R, U)

93040 Waste Management Services

DM Demineralization
 DW Dewatering, Nonradioactive
 DR Dewatering, Radioactive
 DL Disposal (Low-Level)
 ER Environmental Remediation
 FP Fuel Pool Services
 I Incineration
 IL Intermediate-Level
 LC Lead Contamination
 LW Liquid Waste (High Level & Low Level)
 MW Mixed Waste Analysis & Processing
 MD Mixed Waste Disposal/Treatment
 MS Mixed Waste Solvent Disposal
 MO Molten Salt Oxidizers
 M Monitoring
 NR Non-Radioactive
 OF Off-Site (Fixed Base)
 ON On-Site
 P Packaging/Repackaging
 LL Radioactive, Low-Level
 HL Radioactive, High-Level
 RD Resin Destruction
 RP Resin Pyrolysis
 RR Resin Regeneration
 RC Resource Recovery
 SM Scrap Melting
 SS Sealed Source Decommissioning
 S Solidification
 SR Survey & Release
 T Transuranic (TRU)
 UT Uranium Mill Tailings Reclamation
 V Vitrification
 VR Volume Reduction
 WC Waste Characterization
 WS Waste Sampling
 WD Wood Decontamination
 3 Bears Technical Services, LLC, Hixson, TN (T, WC)
 Accelerated Decommissioning Partners - ADP, Dallas, TX (P, LL, HL)
 Advanced Technologies and Laboratories (ATL) International, Inc., (wholly owned sub. of Planned Systems International, Inc.), Gaithersburg, MD (DL, ER, IL, LC, LW, M, LL, HL, SR, WC, WS)
 Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (DL, IL, M, OF, P, HL, RC, SS, SR, VR, WC)
 AMEASOL - American Measurement Solutions LLC, Santa Fe, NM (MW, M, WC)
 American DND Engineering, PC, Ellicottville, NY (ER, LC, SM, VR, WC)
 ♦ American DND Inc., Grand Island, NY (DL, ER, FP, LC, NR, P, SM, VR)
 American Integrated Services, Inc., Anaheim, CA (ER, LC, NR)
 Andritz AG, Graz, Austria (DW)
 ANTECH Corp., Arvada, CO (IL, M, LL, HL, SR, WC)
 ARES Security Corp., Vienna, VA (M)
 ATS Industrial Automation, Inc. - Nuclear (UK), Blaby, Leicester, United Kingdom (IL, MW, ON, LL, HL, RC, SM, S, VR)
 ATS Industrial Automation, Inc. - Nuclear (USA), (ATS Ohio, Inc.), Lewis Center, OH (IL, MW, ON, LL, HL, RC, SM, S, VR)
 ATS Industrial Automation, Inc. Nuclear (Canada), Cambridge, Ontario, Canada (IL, MW, ON, LL, RC, SM, S, VR)
 AVANTech, LLC, Knoxville, TN (DM, DW, DR, DL, ER, FP, LW, MW, MD, M, OF, LL, HL, RD, RP, RR, S, VR)
 Babcock Services, Inc., Kennewick, WA (DW, DR, DL, ER, FP, IL, M, NR, OF, ON, P, LL, RC, SM, S, SR, VR, WC, WS, WD)
 ♦ Banda Group International, LLC, Mesa, AZ (ER, MD, M, WC, WS)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (ER, FP, MW, M, ON, P, LL, RC, SR, T, VR, WC, WD)

- Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (DL, IL, MD, P, LL, HL, S, VR)
- ◆ Burns & McDonnell, Kansas City, MO (ER, M, NR, ON, LL, SR)
- Campoverde srl, Milano, Italy (DL, ER, I, IL, LW, MW, LL, HL, RD, V, VR, WC)
- Central Research Laboratories, Red Wing, MN (P)
- Chesapeake Nuclear Services, Inc., Annapolis, MD (SR, WC)
- Croft Associates Ltd, Abingdon, Oxfordshire, United Kingdom (DL, IL, LW, P, LL, HL)
- CS-2 Inc., Grand Island, NY (DL, NR, SM, WC)
- Curie Environmental Services, Albuquerque, NM (DL, LC, MW, MD, MS, NR, OF, ON, P, LL, RC, SS, SR, WC, WS)
- ◆ Curtiss-Wright EST Group, Hatfield, PA (WS)
- CYCLIFE, (Brand of EDF Group), Puteaux, France (IL)
- Day & Zimmermann, Philadelphia, PA (DW, DR, DL, LL, HL, SR, WC)
- Deep Isolation, Berkeley, CA (IL, MD, OF, ON, P, HL, T)
- Dominion Engineering, Inc., Reston, VA (DM, DR, FP, IL, LW, MW, MD, VR, WS)
- DW James Consulting, North Oaks, MN (WC)
- Element Nuclear (NTS Labs), (Nuclear Engineering & Test Services), Huntsville, AL (M)
- Encorus Group, Springville, NY (ER, FP)
- Enercon Services, Inc., Kennesaw, GA (DW, DR, ER, M, NR, ON, LL, SR, WC)
- Energy, Technology and Environmental Business Association, Oak Ridge, TN (ER, WC)
- ◆ EnergySolutions, Salt Lake City, UT (DM, DW, DR, DL, ER, FP, I, IL, LC, MW, MD, MS, M, NR, OF, ON, P, LL, HL, RC, SM, SS, S, SR, T, UT, V, VR, WC, WD)
- Environmental Restoration Group, Inc., Albuquerque, NM (UT)
- Equipos Nucleares, S.A., S.M.E, Maliaño (Cantabria), Spain (HL)
- Fuel Tank Maintenance Co., LLC, Cookeville, TN (DM, DW, ER, LC, NR)
- GEI Consultants, Inc., Woburn, MA (ER)
- The GEL Group, Inc., (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.), Charleston, SC (ER, M, WC, WS)
- GEL Laboratories, LLC, (A Member of The GEL Group, Inc.), Charleston, SC (WC)
- Geovariences, Avon, France (ER, SR, WC)
- GNS Gesellschaft fur Nuklear-Service mbH, Essen, Germany (IL, OF, ON, LL, HL, WC)
- Thomas Gray & Associates, Inc., (Aff. of Environmental Mgmt. & Controls, Inc.), Orange, CA (DL, I, LC, MD, MS, NR, P, LL, HL, SS, S, VR)
- ◆ Holtec International, Camden, NJ (DL, ER, FP, ON, P, VR)
- ◆ I.C.E. Service Group, Inc., Moon Township, PA (DL, ER, I, IL, LC, MW, MD, MS, NR, OF, ON, P, LL, HL, S, T, UT, VR, WC, WS, WD)
- ISO-PACIFIC Remediation Technologies, Inc., Richland, WA (DR, DL)
- Jacobs, (CH2M HILL Nuclear Business Group), (CH2M HILL International Nuclear Services, Ltd.), (CH2M HILL Constructors, Inc.), (Jacobs Engineering), (Jacobs), Dallas, TX (DL, ER, FP)
- James Fisher Technologies, Loveland, CO (FP, MW)
- Kinectrics Inc., Toronto, Ontario, Canada (ER, IL, MW, MD, M, NR, OF, ON, P, LL, HL, WC, WS)
- Komline, Peapack, NJ (DW, DR)
- KUKA Systems UK Ltd, West Midlands, United Kingdom (MW, P, LL, VR, WC)
- LND, Inc., Oceanside, NY (DR, DL, IL, MW, M, HL, UT, WC)
- Longenecker & Associates, Inc., Las Vegas, NV (ER)
- Lucideon, Morrisville, NC (LL, S)
- Merrick & Company, Greenwood Village, CO (DM, DW, DR, MW, MD, P, LL, HL, T)
- Mirion Technologies (Canberra) Inc., Meriden, CT (HL)
- Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (M)
- Mirion Technologies (MGPI H&B) GmbH, (Mirion Technologies), Munich, Germany (M)
- Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (M)
- ◆ NAC International Inc., Peachtree Corners, GA (ON, LL, HL)
- NAC Philotechnics, Ltd., Oak Ridge, TN (DR, DL, ER, I, MD, OF, ON, P, LL, HL, SS, S, SR, VR, WC)
- Navarro, Oak Ridge, TN (DL, ER, MW, MD, P, LL, HL, T, WC)
- Neptune and Company, Inc., Lakewood, CO (M, NR, LL, HL, T)
- New Millennium Nuclear Technologies International, Lakewood, CO (ER, WC, WS)
- NFT, by Alpha Safety Group, Golden, CO (MW, P, LL, HL, T, WC)
- North Wind Group, Idaho Falls, ID (ER)
- NSSI/Recovery Services Inc., Houston, TX (DL, I, IL, LC, MW, MD, MS, M, NR, OF, ON, P, LL, HL, RC, SS, S, SR, T, V, VR, WC, WD)
- Off-Site Source Recovery Program, (Los Alamos National Laboratory), Los Alamos, NM (SS)
- Orano Decommissioning Services, Hudson, MA (P, LL, HL)
- Orano TN, Columbia, MD (FP, OF, ON, P, LL, HL)
- ◆ Orano USA, Bethesda, MD (DR, ER, FP, LW, MW, MD, MS, P, LL, HL, RC, SS, S, V, VR, WC, WS)
- Pajarito Scientific Corp., Santa Fe, NM (ER, IL, MW, M, LL, HL, SR, T, WC)

See advertisement on pages 4-5

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PAR Systems, LLC, Saint Paul, MN (P, VR)
 Perma-Fix Environmental Services Inc., (Perma-Fix Northwest Richland) (Wholly Owned Sub. of Perma-Fix Environmental Services, Inc.), Gainesville, FL (DR, RC, SR)
 Perma-Fix Environmental Services, Inc., Oak Ridge, TN (DL, ER, I, IL, LC, LW, MW, MD, MS, M, OF, ON, P, LL, HL, RD, S, SR, T, VR, WC, WS)
 PHDS Co., Knoxville, TN (LL)
 Plant Decommissioning, Lake Villa, IL (VR)
 Premier Technology, Inc., Blackfoot, ID (P, LL, HL, T, VR)
 PTP Spent Fuel Services, LLC, Grand Island, NY (FP, LL, HL)
 Radiation Pros, LLC, (dba Rad Pros), Englewood, CO (DW, DR, DL, ER, MW, MD, NR, ON, P, LL, HL, SS, SR, UT, VR, WC, WS)
 Radiation Protection Systems, (by Alpha Safety), Groton, CT (HL, VR)
 ♦ Radiation Safety & Control Services, Inc., Seabrook, NH (MW, ON, LL, HL, VR, WC)
 Radiological Solutions Inc., Rockdale, IL (RR, WS)
 ♦ Reef Industries, Inc., (Griffolyn, Div. of Reef Industries, Inc.), Houston, TX (LL)
 ReNuke, Oak Ridge, TN (ON, P, LL)
 Rousselet-Robatel, Pittsfield, MA (DW, DR, LW)
 RSO, Inc., (Radiation Service Organization), Laurel, MD (DL)
 S&G Enterprises, Inc., Germantown, WI (VR)
 S&K Logistics Services, Byron, GA (ER, M, NR, LL)
 J. L. Shepherd & Assoc., San Fernando, CA (SS)
 Sidus Solutions LLC, San Diego, CA (M)
 Siempelkamp NIS, Alzenau, Germany (MW, MD, P, VR, WC)
 Sigma Science, Inc., Albuquerque, NM (MW, P, LL, HL, WC)

Southwest Research Institute, San Antonio, TX (SS, WC, WS)
 ♦ Strategic Packaging Systems, Madisonville, TN (DL, ER, I, IL, LC, MW, MD, MS, NR, OF, ON, P, LL, HL, S, T, UT, VR, WC, WS, WD)
 Studsvik, Inc., Sandy Springs, GA (DR, DL, OF, ON, P, LL, RD, RP, VR)
 Technical Associates, (a Div. of US Nuclear Corp.), Canoga Park, CA (M, LL, HL)
 ♦ Teledyne Brown Engineering, Inc., Huntsville, AL (WC)
 TerranearPMC, LLC, Exton, PA (ER, LC, MW, MD, MS, P, LL, HL, WC)
 Tetra Tech Inc., Richland, WA (ER, MW, P)
 The Delphi Group, Inc., Austin, TX (I, IL, M, NR, ON, P, HL, S, VR)
 TMMC (Toxco Materials Management Center), Oak Ridge, TN (DR, DL, LC, OF, P, LL, RC, S, SR, VR, WC, WS)
 Transco Products Inc., Streator, IL (M)
 TransWare Enterprises Inc., St. Louis, MO (WC)
 ♦ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (FP)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (DM, DR, FP, VR)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (VR)
 ♦ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (DL, LC, VR, WD)
 University of Bristol, (Interface Analysis Centre) (South West Nuclear Hub), Bristol, United Kingdom (ER, WC)
 Veolia Nuclear Solutions - Federal Services, Piketon, OH (V)
 Waste Control Specialists LLC, Andrews, TX (DR, DL, LC, MW, MD, MS, NR, OF, P, LL, SS, S, T, UT)

Westinghouse Electric Co. LLC, Cranberry Township, PA (DM, DW, DR, DL, ER, FP, IL, MW, MD, MS, M, NR, OF, ON, P, LL, HL, RD, RP, RR, RC, SM, SS, S, SR, T, UT, VR, WC, WD)
 ♦ WMG, Inc., Peekskill, NY (FP, IL, OF, ON, P, LL, HL, S, T, WC)

See advertisement on cover 3

Wood, (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group), Grand Junction, CO (ER, SR, UT, VR, WC)

93900 Welding Services

A Arc
 AT Automatic Tube & Pipe
 C Canister
 DB Diffusion Bonding
 EM Electromagnetic
 EB Electron Beam
 EX Explosive
 LB Laser Beam
 P Plasma
 RM Remote
 S Stud
 UM Underwater, Manual
 UR Underwater, Remote
 WO Weld Overlays
 WC Weldment Cleaning

Advanced Consulting Group, Inc., Chicago, IL (P)
 ♦ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (A, AT, DB, EM, P, RM, S, WO, WC)

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Alaron Nuclear Services, (Veolia Nuclear Solutions Federal Services - Alaron), Wampum, PA (A)
 ASI Marine, Orchard Park, NY (UM, UR)
 AVANTech, LLC, Knoxville, TN (A, AT, C, UM)
 BHI Energy - now Westinghouse, See listing for Westinghouse Electric Co., Cranberry Township, PA (A, RM, WO)
 Carolina Fabricators, West Columbia, SC (A, AT, P, S)
 Day & Zimmermann, Philadelphia, PA (A, AT, WO)
 DuBose National Energy Services, Inc., Clinton, NC (A, AT, C, S, WO, WC)
 E.S. Fox Limited, Niagara Falls, Ontario, Canada (A, AT)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (WO)
 Energy Steel, Rochester Hills, MI (A, P, S)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (A, AT, EM, EB, EX, LB, P, RM, S, UR, WO, WC)
 Fuel Tank Maintenance Co., LLC, Cookeville, TN (A, AT, C, DB, EM, EB, EX, P, S, WO, WC)
 FuseRing Inc., London, Canada (C)
 GE Hitachi Nuclear Energy, Wilmington, NC (A, AT, RM, UR, WO, WC)
 Heatric Division of Meggitt (UK) Ltd., Poole, Dorset, United Kingdom (DB)
 In-Place Machining Company, LLC, Blue Ash, OH (RM)
 Joseph Oat Corp., Camden, NJ (C)
 Magnatech LLC, East Granby, CT (AT)
 Major Tool & Machine, Indianapolis, IN (A, LB, P)
 PAR Systems, LLC, Saint Paul, MN (RM)
 PMT Nuclear, Woodridge, IL (A, S, WO)
 Precision Custom Components, LLC, York, PA (A, P, RM, S, WO)
 Premier Technology, Inc., Blackfoot, ID (A, AT, C, S, WO)
 PROTEM USA, Evergreen, CO (A, AT, RM, S, UR)
 Schulz Electric, Timken Power Systems, East Haven, CT (A)
 SKODA JS a.s., Plzen, Bolevec, Czech Republic (The) (A, EM, EB, LB, P)
 ♦ Underwater Construction Corp., (Underwater Construction Corp. UK Ltd.), Essex, CT (A, P, RM, UM, UR)
 Underwater Engineering Services, Inc., (UESI), Fort Pierce, FL (UM, WO)
 ♦ Wagstaff Applied Technologies, Spokane, WA (A, AT, S, WO, WC)
 Westinghouse Electric Co. LLC, Cranberry Township, PA (A, AT, P, RM, S, UM, UR, WO)

95750 Windows, Radiation-Shielding

LG Lead Glass
 LP Lead Plastics
 Bilfinger Noell GmbH, (Dept. BEV), Wuerzburg, Germany (LG)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (LG, LP)
 JSM Protective, Inc., Port St. Lucie, FL (LG, LP)
 MarShield Radiation Shielding, (Div. of Marswell Metal Industries Ltd.), Burlington, Ontario, Canada (LG, LP)
 Merrick & Company, Greenwood Village, CO (LG, LP)
 Premier Technology, Inc., Blackfoot, ID (LG)

95850 Wipers, Wiping Cloths

C Cotton
 CR Clean Room Laundered
 D Disposable, Soluble
 I Industrial
 LF Lint-Free
 OT Oil-Treated Dusting
 T Tacky
 Alphasource, Inc., Philadelphia, PA (C, CR, D, I, LF, OT, T)
 Aquasol Corp., North Tonawanda, NY (D, I)
 Coastal Network, Inc., Charlottesville, VA (C, OT, T)
 Frham Safety Products, Inc., Nashville, TN (C, D, I, LF)
 JSM Protective, Inc., Port St. Lucie, FL (C, CR, D, I, LF, OT, T)
 Mohawk Safety, Manchester, CT (C, I, LF)
 UniTech Services Group Europe, (Sub. of UniTech Services Group USA), Coevorden, Netherlands (The) (C, CR, D, I, LF, OT, T)
 ♦ UniTech Services Group, Inc., (Div. of UniFirst Corp.), Longmeadow, MA (C, CR, D, I, LF, T)

95900 Wire

CG Commercial Grade Dedication
 IS Insulated, Signal
 SW Insulated, Switchboard
 IT Insulated, Thermocouple
 M Magnet
 MH Magnet, High-Temperature
 MS Metal-Shielded
 NM Nickel, Monel & Nickel-Chromium
 RF Refractory
 RS Resistance

SP Spring
 SU Superconducting
 T Thermocouple

Basic E, Inc., Charlotte, VT (IS, SW)
 C.J. Enterprises, (Div. of C.J. Instruments, Inc.), Tarzana, CA (M, MH)
 CableLAN Nuclear, Inc., Fort Myers, FL (IS, SW, IT, MS)
 Centronic Ltd., Surrey, United Kingdom (IT, MH, MS, T)
 Curtiss-Wright Nuclear Division, Brea, CA (IS, SW, IT)
 Curtiss-Wright Nuclear Division, QualTech NP, Cincinnati, OH (IS, SW, IT)
 Energy and Process Corp., (A Ferguson Sub.), Tucker, GA (NM, SP)
 Mirion Technologies (IST) Corp., (Sensing Systems Div.), Horseheads, NY (MS, T)
 Mirion Technologies, Inc., (Sensing Systems Div.), Atlanta, GA (MS, SU, T)
 Schulz Electric, Timken Power Systems, East Haven, CT (M)
 THERMOCOAX Inc., Alpharetta, GA (IS, IT, MS, NM, T)
 ♦ Westinghouse Electric Company LLC, (Westinghouse Parts Business), New Stanton, PA (IS, SW, IT, M, MH, MS, NM, RF, RS, SP, SU, T)

96200 Work Platforms

C Cask Servicing
 M Mobile
 S Stationary

♦ AECON-WACHS, (U.S. Div. of Aecon Nuclear), Jackson, SC (C)
 Carolina Fabricators, West Columbia, SC (C, S)
 Consolidated Power Supply, (Div. of Consolidated Pipe & Supply Co., Inc.), Birmingham, AL (M, S)
 Curtiss-Wright Nuclear Division, Brea, CA (C)
 Curtiss-Wright Nuclear Division, Scientech, Idaho Falls, ID (C)
 DuBose National Energy Services, Inc., Clinton, NC (C, M, S)
 Dufrane Nuclear Shielding Inc., (Dufrane Nuclear Inc.), Winsted, CT (C, M, S)
 Framatome Inc., (North American Headquarters), Lynchburg, VA (M, S)
 GE Hitachi Nuclear Energy, Wilmington, NC (S)
 Konecranes Nuclear Equipment & Services LLC, (Formerly Morris Material Handling / P&H), New Berlin, WI (S)
 PD Design Group, LLC, Lake Villa, IL (C, M, S)
 ♦ Petersen Inc., Ogden, UT (C, M, S)

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- Nuclear worker data examined in new low-dose radiation health effects study**
Thu, Aug 24, 2023, 7:01AM
- A message from NextAxiom A Gateway to Artificial Intelligence for the Nuclear Industry**

- Canada commits up to C\$74 million for SMRs in Saskatchewan**
Wed, Aug 23, 2023, 3:00PM

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Latest Issue — Spring



Radwaste Solutions

Radwaste Solutions is a specialty magazine dedicated to the decommissioning, environmental remediation, and waste management segments of the nuclear community.

WASTE MANAGEMENT

Oak Ridge breaks ground on critical new disposal facility

4h ago | Radwaste Solutions



Taking part in the Environmental Management Disposal Facility groundbreaking, from left, were Steve Arnette of Jacobs; Mark Whitney of Amentum; Wade Creswell, a Roane Co., Tenn., executive; Brent Booker of the Laborers' International Union of North America; Kevin Adkisson of North America's Building Trades Unions; Jeaneanne Gettle of the EPA; Lt. Gov. Randy McNally; David Salyers of TDEC; Ken Rueter of UCOR; Jay Mullis of OREM; U.S. Rep. Chuck Fleischmann; and DOE-EM's William "Ike" White. (Photo: DOE)

National, state, and local leaders joined the Department of Energy's Oak Ridge Office of Environmental Management (OREM) and its lead cleanup contractor, United Cleanup Oak Ridge (UCOR), earlier this month to celebrate the groundbreaking for a new on-site disposal facility at the Oak Ridge Reservation in Tennessee.

Watch a video highlighting the Environmental Management Disposal Facility groundbreaking ceremony [here](#).

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| American Electric Power | Generation Atomic | NuScale Power | Technologie Inovaweld Inc. |
| Barnhart Nuclear Services | HULSEY PC | Oak Ridge National Laboratory | TerraPraxis Inc |
| Capitol Associates | Los Alamos National Laboratory | OTEK Corporation | Terrestrial Energy Inc. |
| Carolina Fabricators, Inc. | Mega-Tech Services, LLC | Radiation Safety & Control Services, Inc. | Tokamak Energy Ltd |
| Champion Specialty Services | Metoree | RdF Corporation | Transco Products Inc. |
| Deltech Kiln and Furnace Design, LLC | Nordion | Reef Industries, Inc. | U.S. Department of Energy - Idaho Operations Office |
| Dragons De Veracruz | NRSL-Institute of Nuclear Energy Research | Silver Fir Software, Inc. | Vector Resources, Inc. |

This section lists in alphabetical order the companies represented in Section I of the Buyers Guide, “Products, Materials & Services Directory.” Each listing includes the supplier’s location, sales contact (name), telephone numbers, N Stamp information, and code numbers corresponding to the categories under which each company is listed. When provided by the company, email and/or website addresses are also included. An asterisk (*) appearing at the end of the listing indicates that a full-line product, materials, and/or services catalog is available from the supplier. Those suppliers who have an advertisement in *Radwaste Solutions Buyers Guide 2023* are highlighted in yellow. The “Directory of Suppliers” is divided into two parts: Part 1 lists companies located in the United States; Part 2, companies in other countries (page 157).

Part I—Companies located in the United States

3 Bears Technical Services, LLC

Hixson, TN | www.3bears.me
Richard Sain | 865/806-1224
rsain@3bears.me

Codes: 14000, 20300, 93040

3G Services Company LLC

Clinton, MS
Gregg W. Ludlam | 610/247-9819
3gservicesco@gmail.com

Codes: 14000, 86300, 86400

3M Technical Ceramics, Inc.

Quapaw, OK | www.3m.com/boron
Sandra Rushin | 918/673-2201
sjrushin@mmm.com
Beth Utley | 918/919-2238
erutley@mmm.com

Codes: 00400, 55490, 77800*

Accelerated Decommissioning Partners - ADP

Dallas, TX | <https://www.adpnuclear.com/>
Curtis Roberts | 202/374-8766
curtis.roberts@orano.group

Codes: 20300, 68000, 87000, 93040

Acromag Inc.

Wixom, MI | www.acromag.com
Karen Haldenwanger | 248/295-0866
khaldenwanger@acromag.com

Stamps: AS9100, ISO9001

Codes: 03200, 09800, 12900, 19700, 25000, 84150

Adam Brown Consulting, Inc.

Cary, IL | <http://linkedin.com/in/adam-brown-7088ab13>

Adam KP Brown | 847/287-2616
akpbrown@aol.com

Stamps: ASQC Auditor per ANSI N45.2.23, Level III
QC per ANSI N45.2.6

Codes: 14000, 40900, 47400, 75190, 86300

Advanced Consulting Group, Inc.

Chicago, IL
Tom Litka | 773/481-9500
advcnsgrp@aol.com

Codes: 03800, 13850, 14000, 20300, 47400,
47600, 72300, 79360, 86300, 93900

Advanced Cooling Technologies, Inc.

Lancaster, PA | www.1-act.com
Bill Anderson | 717/295-6061
bill.anderson@1-act.com

Codes: 03800, 14000, 37600

Advanced Nuclear LLC

Aston, PA | www.advancednuclear.com
James Petrides | 317/947-8167 | 800/487-7255
jpetrides@irexcorp.com
Kevin Fenimore | 706/691-6662 | 800/487-7255
kfenimore@irexcorp.com

Codes: 06790, 11400, 13850, 41200, 74350,
77750*

Advanced Technologies and Laboratories (ATL) International, Inc. (wholly owned sub. of Planned Systems International, Inc.)

Gaithersburg, MD | <https://www.atlintl.com/>

Michael Wade | 678/428-5278
mwade@atlintl.com

Bill Niemeyer | 865/291-8930
bniemeyer@atlintl.com

Codes: 03800, 09750, 12800, 13850, 14000,
20300, 26080, 26100, 37200, 71190, 77750,
86300, 93040

Advetage Solutions

El Segundo, CA | www.advetage.com
Justin Kung | 424/292-8432
info@advetage.com

Stamps: SDVOSB

Codes: 09750, 09800, 10850, 12800, 12900,
14000, 17950, 20300, 20350, 25250, 26230,
37130, 37200, 41000, 55040, 55060, 67380,
77800, 86300*

AECON-WACHS (U.S. Div. of Aecon Nuclear)

See advertisement on page 129

Jackson, SC | www.aecon-wachs.com

Greg Hutchinson | ghutchinson@aecon.com

Stamps: 10CFR50, App. B Program, R; ASME, PP, S &
U Certification. ASME N, NS, NPT, NA

Codes: 03000, 13700, 13850, 14000, 14300,
22700, 26900, 27450, 30500, 36000, 40900,
47400, 53950, 59800, 59850, 60100, 61570, 75700,
86130, 90320, 90600, 90800, 91000, 91380,
92300, 93900, 96200*

Aegis, LLC

Ooltewah, TN | www.aegismfg.com

Beverly Jerman | 423/790-1376
beverly@aeqismfg.com

Codes: 03000, 14000, 75500, 75700

The American Society of Mechanical Engineers issues Certificates of Authorization for use of Code Symbol Stamps (e.g., N, NPT, etc.) to qualified manufacturers and assemblers who intend to construct items in accordance with the requirements of the ASME Boiler and Pressure Vessel Code. Descriptions of the applicable Code Symbol Stamps are included in Sections I, III-Subsection NA, IV, VIII-Division 1, VIII-Division 2, and X, together with the requirements applicable to qualified manufacturers and assemblers.

Aerofin

Lynchburg, VA | www.aerofin.com
 Dan Posid | 434/528-6220 | 800/237-6346
dposid@aerofin.com

Stamps: N, NPT, NS, S; Classes 2, 3, U, PP, R,
 Certification by ISO 9001:2000

Codes: 03000, 37600, 83150, 92300

AeroGo, Inc.

Seattle, WA | www.aerogo.com
 Barb Kiliz | 206/575-3344 | 800/426-4757
info@aerogo.com

Stamps: ASME member; ISO 9001:2015; CE
 compliant

Codes: 68000

AFO Research Inc.

Vero Beach, FL | www.aforesearch.com
 Jack Illare | 772/538-1288
jackillare@aforesearch.com

Codes: 26910, 26970, 75850, 77800

Aggreko Ltd.

Houston, TX | www.aggreko.com
 Brandon Montagne | 281/381-4798 | 800/AGGREKO
brandon.montagne@aggreko.com
 Scott Davis | 904/616-8012 | 800/AGGREKO
scott.davis@aggreko.com

Codes: 03000, 03800, 08800, 14000, 24170,
 26230, 47400, 63400, 71500, 84600

Ahlberg Cameras

Wilmington, NC | www.ahlbergcameras.com
 Drake Courie | 910/399-4240
drake@ahlbergcameras.com

Codes: 12900, 40900, 45550, 92800*

Alaron Nuclear Services (Veolia Nuclear Solutions Federal Services - Alaron)

Wampum, PA | <https://www.nuclearsolutions.veolia.com/en/our-expertise/solutions/low-level-radioactive-materials-processing#no-back>

Peter F. Davin | 412/400-7466
peter.davin@alaronnuclear.com

Don Beal | 201/841-3590
donald.beal@alaronnuclear.com

Codes: 11400, 14300, 20300, 20350, 25600,
 26230, 68000, 68950, 84600, 87000, 93040,
 93900

Allied Power

Baton Rouge, LA | alliedpwr.com
 Ron McCall | 225/412-6455
ron@alliedpwr.com

Codes: 47400

Alphasource, Inc.

Philadelphia, PA | www.alphasourceintl.com
 Andi Bookbinder/Brian Bookbinder | 215/844-6470 |
 800/292-7247
sales@alphasourceintl.com

Codes: 00300, 06950, 09950, 10780, 10900,
 12800, 14000, 14300, 26600, 36000, 37130,
 37160, 47630, 61570, 64300, 73300, 75190, 79370,
 83110, 83210, 86130, 86300, 95850*

AMEASOL - American Measurement Solutions LLC

Santa Fe, NM | www.ameasol.com
 Tony Marlow | 505/699-8923
t.marlow@ameasol.com

Codes: 03800, 04000, 10780, 12800, 13050,
 14000, 17950, 20300, 20350, 21370, 25250,
 26080, 26100, 26230, 26970, 30500, 39650,
 40900, 41015, 44000, 47400, 47600, 54750,
 55040, 67380, 68000, 72300, 73620, 75850,
 79360, 83600, 84600, 86130, 86300, 93040

American Ceramic Technology, Inc. (Silflex Shielding)

Escondido, CA | www.silflexshielding.com
 Richard Culbertson | 619/992-3104
cubculbertson@cs.com

Kim Stewart | 530/570-0269
kim@silflexshielding.com

Codes: 77800

American Crane & Equipment Corp.

Douglassville, PA | www.americancrane.com
 610/385-6061 | 877/877-6778
info@americancrane.com

Stamps: NQA-1 Compliant; 10CFR50, Appendix B
 Compliant.

Codes: 14000, 18590, 18600, 30500, 40900,
 47400, 56600, 68000, 72300, 73570, 86130, 86300

American DND Engineering, PC

Ellicottville, NY
 Jonathan A. Watts | 716/699-5515
jwatts@stalwarteng.com

Bill Schaab | 716/984-7566 | 716/699-5515
bschaab@americandnd.com

Stamps: Professional Engineers

Codes: 13850, 20300, 20700, 25400, 86300,
 93040*

American DND Inc.

See advertisement on page 7

Grand Island, NY | www.americandnd.com
 Bill Schaab | 716/984-7566 | 866/699-5515
bschaab@americandnd.com

Codes: 06790, 13050, 13850, 14000, 18600,
 20300, 20350, 20700, 25400, 26230, 73570,
 79360, 87000, 93040*

American Integrated Services, Inc.

Anaheim, CA | www.americanintegrated.com
 Joe Reilly | 310/935-8736 | 888/423-6060
jreilly@americanintegrated.com

Codes: 20300, 20350, 20700, 93040

F.N. Anderson & Assoc.

Forest, VA | www.fnaai.com
 Floyd N. Anderson | 434/258-3380
andersonfn@aol.com

Codes: 03800, 14000, 14300, 25400, 77800,
 86300

ANTECH Corp.

Arvada, CO | www.antech-inc.com
 Matt Piotrowski | 303/430-8184
piotrowski.matt@antechcorp.com

Alan Lewis | +44 7920839460
lewis.alan@antech-inc.com

Codes: 09800, 20300, 26230, 44000, 47400,
 55040, 74150, 93040*

Applied Analysis Corp.

Reading, PA | www.applied-analysis.com
 Juan Cajigas | 610/775-0272
jmcajigas@applied-analysis.com

Stamps: Nuclear Quality Assurance Program,
 10CFR50 App.B, 10CFR21, ANSI N45.2, and ASME
 NQA-1

Codes: 03800, 12800, 14000, 25400, 37200,
 40900, 77750, 86300

Applied Science Professionals, LLC (ASP-LLC)

Salt Lake City, UT | www.asp-llc.com
 Gary M. Sandquist | 801/209-9681
gms@asp-llc.com

Stamps: Certified Health Physicist (ABHP), Certified
 Quality Auditor (ASQ), PE in Nuclear and Mechanical
 Engineering, SE in Structural Engineering

Codes: 03800, 67380, 86300

Aquasol Corp.

North Tonawanda, NY | www.aquasolwelding.com
 Cheryl Gondek | 716/564-8888 | 800/564-9353
cgondek@aquasolcorporation.com

orderdesk@aquasolcorporation.com

Codes: 04000, 54750, 61570, 83210, 95850

ARES Security Corp.

Vienna, VA | <https://aressecuritycorp.com/>
 Jim Raines | 630/956-0519
jraines@aressecuritycorp.com

Codes: 03180, 12800, 14000, 25300, 40900,
 47600, 55040, 67380, 72300, 73620, 75500,
 75600, 75850, 86300, 86500, 93040

Argonne National Laboratory (EOF Div.)

See advertisement on page 121

Argonne, IL | <https://www.anl.gov/eof/facility-decommissioning-training-course>Lawrence E. Boing | 630/252-6729
lboing@anl.gov**Codes:** 14000, 20300, 86300**Arkema, Inc. (formerly ATOFINA Chemicals, Inc.)**King of Prussia, PA | www.arkema-americas.com

610/205-7000 | 800/225-7788

arkema.usph-general@arkema-americas.com

Codes: 11400, 17650, 20350, 27450**Arkitek Scientific**Paso Robles, CA | www.arkitek.com

Beth Anderson | 206/852-8929 | 206/286-0337

beth@arkitek.com

Codes: 12800, 12900, 39960, 53950, 86300, 86500**ASC Engineered Solutions (formally known as Anvil International, LLC)**Exeter, NH | www.asc-es.com401/886-3000 | anvilservices@asc-es.com**Stamps:** ASME NS - Class 1, 2, 3 & MC fabrication without design responsibility and with design responsibility for supports and as a Material Organization supplying ferrous & nonferrous material. ASME NPT - Class 1, 2, 3 & MC fabrication with design responsibility and fabrication with design responsibility for Class 1, 2, 3 & MC supports (supports limited to the 1998 edition, 1998 addenda and earlier editions and addenda of the Code) and as a Material Organization supplying ferrous material.**Codes:** 26900, 40900, 47400, 60100, 84600, 90600, 90800, 91000, 91260**ASI Marine**Orchard Park, NY | asi-group.com

Drew Michel | 512/562-9000

dmichel@asi-group.com

Merry Dang | 905/643-3283

mdang@asi-group.com

Codes: 03800, 10780, 14000, 21400, 22700, 39960, 40900, 47400, 54750, 92800, 93900**ASQ Energy & Environmental Division**Milwaukee, WI | <https://my.asq.org/communities/home/159>

Karen M. Douglas | 505/263-3297

douglaskm@alumni.stanford.edu

Stamps: ASME NQA-1 Quality Assurance Requirements for Nuclear Facility Applications**Codes:** 86500**Atlas Industrial Manufacturing Co.**Clifton, NJ | www.atlasindustrial.com

Ramsey Mahadeen | 973/779-3970

ramsey@atlasindustrial.com

Codes: 37600, 92300**ATS Industrial Automation, Inc. - Nuclear (USA) (ATS Ohio, Inc.)**Lewis Center, OH | <https://atsautomation.com/nuclear>

Vito Bagdonavicius | 609/864-9662

vbagdonavicius@atsautomation.com

Stamps: Certifications for Ohio, US facilities: ISO-9001:2015; Certifications for Cambridge, Canada facilities: ASME NQA-1; 10CFR50 App. B; 10CFR21 Program; CSA N285.0; CSA N286; CSA N299; CSA B51; ASME B31.1; ASME B31.3; ISO-9001:2015; ISO: 13485:2016**Codes:** 10780, 11700, 12800, 14000, 20300, 25600, 30040, 30500, 40900, 47400, 47600, 59850, 68000, 68950, 72300, 73300, 73620, 79360, 86130, 87380, 87400, 92800, 93040**Attention IT, Inc. (Attention IT Ltd. (UK))**

See advertisement on page 82

Knoxville, TN | www.attentionit.com

Jeanice Pratt | 865/769-8888 x400 | 888/428-8648

jeanice@attentionit.com

Codes: 03800, 06950, 12800, 14000**Aurum Technologies**Blackfoot, ID | <https://www.aurumtech.gold>

Jordan McLaughlan | 208/243-1266

jordan@aurumtech.gold

Nicholas T. Christiansen | 208/521-4791

nicholas@aurumtech.gold

Codes: 03180, 03200, 12800, 12900, 17950, 25000, 25250, 25350, 26080, 37130, 37200, 39960, 55040, 55060, 67380, 72300**The Austin Company**Cleveland, OH | www.theaustin.com

Eric Bockmuller | 440/544-2663

eric.bockmuller@theaustin.com

Codes: 12800, 13850, 14000**Automation Products, Inc. (Dynatrol Div.)**Houston, TX | www.dynatrolusa.com

Factory Sales Dept. | 713/869-0361 | 800/231-2062

sales@dynatrolusa.com

Codes: 04000, 25000, 40050, 54750**AVANTech, LLC**Knoxville, TN | www.avantechllc.comTammy Monday | tmonday@avantechllc.com

Larry Beets | 865/539-9000

lbeets@avantechinc.com

Stamps: ASME U Code Stamp, National Board of Boiler and Pressure Vessel Inspectors R and NB, UL Approved, NQA-1**Codes:** 04000, 08800, 09950, 10780, 12800, 12900, 13600, 14000, 14300, 19700, 20300, 22410, 22700, 24170, 25250, 25400, 25600, 26240, 27180, 27450, 41700, 47400, 53950, 54750, 55040, 59800, 63400, 64750, 68000, 73620, 74150, 75850, 77800, 79370, 83150, 83600, 84600, 86300, 87000, 91260, 92300, 93040, 93900**AZIsotopes Corp.**

Bunker Hill, IN

Clyde Jupiter | 801/381-7949

cjupiter@azisocorp.com

W. Brandt Brooksby | 503/753-9100

bbrooksby@azisocorp.com

Codes: 14000, 68950**Babcock Services, Inc.**Kennewick, WA | www.babcockservices.com/

Wally Kennedy | 509/737-0812

wkennedy@babcockservices.com

Codes: 03800, 10780, 13850, 14000, 14300, 20300, 20350, 20700, 22410, 25400, 30040, 37200, 66280, 68000, 79360, 79370, 86130, 93040**Bakelite Synthetics**Atlanta, GA | www.bakelite.com

Product Information | +49 2374 925467

information@cldmarcomm.com

Codes: 00300, 11400, 14000, 17650, 47400, 84600**Banda Group International, LLC**

See advertisement on page 67

Mesa, AZ | <https://bandagroupintl.com>

Karol-Lynn Reed | 505/350-0189

karol-lynn.reed@bandagroupintl.com

Stamps: SDVOSB, SBE, MBE**Codes:** 03800, 12800, 14000, 20300, 25400, 93040**Barge Design Solutions**Nashville, TN | www.bargedesign.com/

Andrew Murr | 865/637-2810

Codes: 13850**Barnhart Nuclear Services**Fairhope, AL | www.barnhartcrane.com

Jim Faux | 901/233-3804 | 800/587-3249

jfaux@barnhartcrane.com

Codes: 13850, 14000, 18600, 20300, 26240, 47400, 73570, 81680, 86260, 87000

G.D. Barri & Associates, Inc.

Peoria, AZ | www.gdbarri.com
 Michelle Manley | 623/773-0410
michelle.manley@gdbarri.com
 Alice Granado | 623/773-0410
alice.granado@gdbarri.com

Codes: 03800, 09800, 14000, 25350, 25400, 26100, 40900*

Basic E, Inc.

Charlotte, VT | www.basic.com
 Charles Kellner | 802/985-5555
charles@basic.com

Codes: 11650, 14000, 39650, 47400, 63400, 64750, 75190, 83210, 90250, 90600, 90800, 91000, 91260, 91380, 95900

Battery Lane LLC

Carson City, NV | batterylanellc.com
 Theodore Weber | 925/289-8368
ted@batterylanellc.com

Codes: 14000, 26240

Beaudrey American Services

Loveland, CO | www.beaudrey.com
 Julie Elgee | 970/286-1953
beaudreyas@beaudreyas.com
 Mauricio Velez | 754/244-1888
m.velez@beaudreyas.com

Stamps: OSHA, ISO

Codes: 10780, 47400

Bechtel (Bechtel Power), (Bechtel Nuclear, Security & Environmental), (Bechtel National)

Reston, VA | www.bechtel.com
 Tim Carraway | 703/429-6275
tacarraw@bechtel.com

Stamps: ASME Sect. I, VIII and NB: A, NB, PP, R, S, and U ASME Sect. III and NB: N, NA, NPT, and NR; ISO 9001:2015; ISO 14001:2015; ISO 27001:2013; ISO 45001:2018

Codes: 03800, 12800, 13850, 14000, 20300, 47400

Berkeley Nucleonics Corp.

San Rafael, CA | www.berkeleynucleonics.com
 Bernadette Jamieson | 415/453-9955 | 800/234-7858
bernadette@berkeleynucleonics.com

Codes: 09800, 25250, 37200, 41000, 55040

Bevelacqua Resources

Owens Cross Roads, AL | www.bevelacquaresources.com
 Dr. Joseph Bevelacqua | 509/521-8036
bevelresou@aol.com

Stamps: American Board of Health Physics Comprehensive Health Physics Certification, Senior Reactor Operator Certification - PWR Certified Radiological Shielding Engineer, Registered Radiation Protection Technologist

Codes: 03800, 12800, 14000, 17950, 20300, 37200, 86300, 86500

BHI Energy - now Westinghouse See listing for Westinghouse Electric Co.

Cranberry Township, PA | www.westinghousenuclear.com
 Varesha Mauney | 508/591-1149
varesha.mauney@westinghouse.com

Lauren Buckman | 508/591-1150

lauren.buckman@westinghouse.com

Codes: 03000, 03200, 03800, 09800, 10780, 11400, 11650, 12800, 13050, 13850, 14000, 20300, 20350, 25250, 25300, 25400, 25600, 26080, 26100, 26230, 26970, 27450, 37130, 37200, 40900, 47400, 64750, 67380, 73570, 74350, 75600, 75850, 77750, 83600, 84600, 86300, 86500, 90250, 90600, 90800, 91260, 92800, 93040, 93900*

BIRNS, Inc.

Oxnard, CA | www.birns.com

Eric F. Birns | 805/830-5885 | 888/247-6788
service@birns.com

Eric Christianson | 805/830-5869
echristianson@birns.com

Stamps: ISO 9001:2015; Quality System also complies to the requirements of NRC 10CFR50, App. B

Codes: 08800, 45550*

Black & Veatch

Overland Park, KS | www.bv.com

Mark Gake | 913/458-7909
gakema@bv.com

Codes: 03800, 12800, 13850, 14000, 20300, 40700, 40900, 47400, 63400, 71190, 77750, 86300

BlackStarTech

Davenport, IA | www.blackstartech.com

Benjamin Youman | 815/262-2646
benjamin.youman@constellation.com

Codes: 03800, 11650, 14000, 25300, 45550, 63400, 84150, 84600

Blue Wave AI Labs

West Lafayette, IN | <https://www.bluewaveailabs.com/>

Tom Gruenwald | 317/762-2369
tom@bwailabs.com

Codes: 03800, 12800, 12900, 14000

Bluegrass Concrete Cutting, Inc.

Greenville, AL | www.bluegrasscompanies.com
 Robert Hulick | 334/382-0200 | 800/320-1462
bhulick@concretecutters.com

Stamps: HubZone Certified Small Business; Self Certified Small Business

Codes: 13050, 13850, 20300, 20700

BNL Industries, Inc.

Vernon Rockville, CT | www.bnl.com
 Christopher Bain | 860/870-6222
christopher.bain@bnl.com

Stamps: N, NPT, Classes 2, 3.

Codes: 90330, 90600, 91260, 91380

Boston Government Services, LLC (BGS)

Oak Ridge, TN | www.bgs-llc.com
 Paul Adams | 803/257-5226 | 866/730-7353
padams@bgs-llc.com

Cecil Parks | 865/272-8400 x1118
cparks@bgs-llc.com

Codes: 03800, 12800, 13850, 14000, 20300, 25400, 68000, 71190, 75600, 86300

Brokk Inc. (Sub. of Brokk-Sweden), (Nuclear Div.)

See advertisement on page 85

Santa Fe, NM | www.brokk.com

Tony Marlow | 505/466-3614 | 800/621-7856
tony@brokkinc.com

Stamps: Certification by ISO 9001.

Codes: 13050, 20300, 20350, 26230, 39650, 47600, 59850, 68000, 72300, 73620*

Brownstone Psychological Associates

Manitowoc, WI

Stacey Soeldner
stacey.soeldner@brownstonepa.com

Codes: 14000, 75600

Bureau Veritas Inspection & Insurance Co.

Lynn, MA | <https://www.bvna.com/power-energy/markets/nuclear>

Russell Offringa | 817/337-8328 | 806/662-1969
russell.offringa@bureauveritas.com

Stamps: ASME Authorized Inspection Agency, ISO 9000, ANII, ANI, Training

Codes: 13850, 14000, 40900, 47400, 86300

Burns & McDonnell

See advertisement on page 77

Kansas City, MO | www.burnsmcd.com

Glenn Neises | 913/620-5351
gneises@burnsmcd.com

Stamps: 10CFR50 App. B/NQA-1 QA Program

Codes: 03800, 13850, 14000, 20300, 59800, 59850, 75600, 86300, 93040

BWX Technologies, Inc.

Lynchburg, VA | www.bwxt.com

Joshua Parker | 434/316-7652
jlparker2@bwxt.com

Stamps: NQ-A-1. N Stamp NBIC ASME Sec. 11 Services Provider

Codes: 03800, 04000, 10780, 12800, 14000, 14300, 20300, 20350, 20700, 25600, 26970, 30500, 37600, 40900, 47400, 47600, 56600, 61570, 68950, 77750, 81710, 83150, 84150, 84600, 92300, 92800, 93040

C.J. Enterprises (Div. of C.J. Instruments, Inc.)

Tarzana, CA

Marshall Cantor | 818/996-4131
cjinstruments@aol.com

Codes: 08800, 91260, 95900

CableLAN Nuclear, Inc.

Fort Myers, FL | www.cablelan.com

Jan Pirrong | 508/384-7811 | 800/840-6655
jpirrong@cablelan.com

Codes: 08800, 13400, 26910, 26970, 84150, 95900

Camfil USA, Inc.

Washington, NC | www.camfil.com

Glen Moore | 252/721-8000 | 877/658-6588
glen.moore@camfil.com

Codes: 00400, 03000, 19450, 21400, 27180, 27450, 36000, 84150, 90100*

Carignan & Associates LLC

Chattanooga, TN

Joe Carignan | 423/596-5079
jecarignan@outlook.com

Codes: 14000, 20300, 86300

Carolina Fabricators

West Columbia, SC | www.carolinafab.com

Gabe Zeigler | 803/227-0535
gzeigler@carolinafab.com

Brad Hughes | 803/794-4906
bhughes@carolinafab.com

Stamps: ASME NQA-1, 10CFR50 App. B, 10CFR21, ASME U Stamp, ASME R Stamp

Codes: 03000, 10780, 11400, 13700, 14300, 19450, 24170, 26900, 27450, 30500, 36000, 37600, 39650, 41200, 47400, 53950, 56600, 59800, 59850, 60100, 61570, 66280, 73570, 74350, 77800, 77900, 78700, 81710, 83150, 86130, 92300, 93900, 96200

CBS Nuclear Services, Inc.

Matthews, NC | www.cbsnuclear.com

Scott Peterson | 704/882-1875
speterson@cbsnuclear.com

Codes: 14000, 47400, 84150, 84600

Central Research Laboratories

Red Wing, MN | www.crlsolutions.com

Rob Weber | 651/385-2133
info@crlsolutions.com

Nathan Andersen | 651/385-2113
nandersen@destaco.com

Codes: 14300, 20300, 27180, 36000, 47600, 68000, 72300, 93040*

Chesapeake Nuclear Services, Inc.

Annapolis, MD | www.chesnuc.com

J. Stewart Bland | 410/266-9174
jsbland@chesnuc.com

Codes: 12800, 14000, 20300, 25250, 37200, 86300, 93040

CM Technologies Corp.

Coraopolis, PA | www.ecadusa.com

Greg Allan | 412/262-0734
greg.allan@ecadusa.com

Codes: 08800, 09750, 12800, 54750, 84150, 84600, 86300

Coastal Network, Inc.

Charlottesville, VA | www.nuclearsupply.com

Michael O. Moyles | 434/978-1204
coanetinc@aol.com

Codes: 10850, 10900, 14300, 20350, 37130, 47630, 55040, 55060, 73300, 74150, 83110, 83210, 90100, 95850

Coastal Cable Tools, Inc.

East Syracuse, NY | www.coasteltools.com

John F. Lumia | 315/474-4707
john@coasteltools.com

Codes: 08800, 09750, 09800, 12800, 86130

Cobalt Audio Video (A div. of Comtronics)

Lexington, KY | <https://www.cobaltav.com>

David Fried | 859/299-9494 | 800/264-6021
david.fried@comtronicsnow.com

Codes: 11650

Cohesive

St. Louis, MO | cohesivegroup.com

Kat Pullen | 970/666-3378
kat.pullen@cohesivegroup.com

Codes: 14000

Computer Engineering Services, Inc.

Chattanooga, TN | www.ces-chatt.com

Ben Martin | 423/265-0607
bmartin@ces-chatt.com

Codes: 12800, 14000

Comtronics

Lexington, KY | <https://www.comtronicsnow.com>

David Fried | 859/299-9494 | 800/264-6021
david.fried@comtronicsnow.com

Codes: 11650

Concurrent Technologies Corporation (Center for Advanced Nuclear Manufacturing)

Johnstown, PA | www.ctc.com/canm

Dan Markiewicz | 814/269-6873 | 800/CTC-4392
canm@ctc.com

Codes: 11400, 14000, 84600, 86130

Confidential Services, Inc.

South Haven, MI

Beth Warsco | 269/637-8451 | 800/798-1834
bwarsco@csish.com

Codes: 75600

Consolidated Power Supply (Div. of Consolidated Pipe & Supply Co., Inc.)

Birmingham, AL | www.consolidatedpower.com

Ray Troxell | 205/655-5515 | 800/264-5515
sales@consolidatedpower.com

Stamps: ASME (MS), NPT N-4818, NS N-4819, Classes 1, 2, 3, MC, NF.

Codes: 03800, 11400, 13400, 13700, 14000, 14300, 26900, 27450, 37600, 40900, 41200, 56600, 59800, 59850, 60100, 61570, 84600, 90330, 90600, 90800, 91000, 91260, 91380, 92300, 96200

Constellation ClearSight

De Pere, WI | www.constellationclearsight.com

Chris Place | 267/533-5383
christopher.place@constellation.com

Jimmy Carter | 267/533-5387
jimmy.carter@constellation.com

Codes: 22700, 40900, 73620

Constellation PowerLabs

Coatesville, PA | constellationpowerlabs.com

Daniel Doran | 610/380-2475
daniel.doran@constellation.com

Stamps: ISO 17025:2020; ANSI/NCSL Z540.3; ANSI N45.2; 10CFR50 App. B; 10CFR21

Codes: 03800, 09750, 09800, 37200, 40050, 41000, 44000, 45550, 84600

Container Products Corp.

Wilmington, NC | www.c-p-c.net

910/392-6100 | 800/635-5647
cfsales@c-p-c.com

Stamps: CE, GOST-R

Codes: 11700, 14300, 84600*

Container Technologies Industries, LLC

Helenwood, TN | www.containertechnologies.com
 Kyela Baird | 423/286-0431
 kbaird@ctifab.com

Codes: 03800, 10780, 13700, 14300, 25600, 68000, 75700, 83150

Conval, Inc.

Enfield, CT | www.conval.com

Don Bowers | 860/749-0761
 dbowers@conval.com

Kristofer Stevens | 860/749-0761 x223
 kstevens@conval.com

Stamps: ISO 9001 2015; ASME 3, Class 1, 2 and 3, N / NPT, CE, PED, Canadian Registration Numbers for all provinces, India IBR

Codes: 90250, 90600, 90800, 91000, 91260, 91380*

Corrosion Control Services, Inc.

Davenport, IA | www.corrosioncontrolservice.com

Ron Frantz | 563/324-9076
 ronfrantz@hotmail.com

Codes: 22430, 40900, 47400, 83150

Cortec Corp.

Saint Paul, MN | www.cortecvci.com

Cliff Cracauer | 651/429-1100
 productinfo@cortecvci.com

Codes: 11400, 14000, 17650, 47400

CPMQ Consulting, LLC

Huntsville, AL | www.linkedin.com/company/cpmq-consulting-llc/

Gard Clark | 860/460-6348
 gard.clark@juno.com

Codes: 03800, 14000, 86300

Cragg Consulting

Grapevine, TX

Chris Cragg | 682/223-1150
 chrisragg@gmail.com

Codes: 12800, 14000

Crane Nuclear PFT Corp.

Kennesaw, GA | <https://cranenuclear.com/>

770/429-4600 | cranenuclearinfo@cranevs.com

Stamps: 10CFR50 App. B/ASME NQA-1 2015 Quality Program; ASME N and NPT Certificates of Authorization; National Board of Boiler and Pressure Vessel Inspectors NR and VR Certificates of Authorization; ASME Sections I, III, VIII, Classes 1, 2, and 3 valve manufacture and repair. NUPIC and NIAC current audits.

Codes: 09750, 09800, 12800, 14000, 26230, 47400, 84150, 84600, 86300, 86400, 90250, 90320, 90600, 91000, 91260, 91380

CS-2 Inc.

Grand Island, NY | www.cscs-i.com

Bill Schaab | 716/984-7566 | 866/699-5515
 cs2@cscs-i.com

Codes: 03800, 06790, 14000, 20300, 20700, 25400, 40900, 73570, 87000, 93040*

CTR Technical Services, Inc.

Manitou Springs, CO | www.ctr-tech.com

Charles T. Rombough | 719/685-3805
 ctr@ctr-tech.com

Stamps: Certification by 10CFR50, 10CFR21.

Codes: 03800, 12800, 14000, 86300

Curie Environmental Services

Albuquerque, NM | www.curieservices.com

Scott Logan | 505/888-9392
 scott.logan@curieservices.com

Codes: 03800, 68950, 93040

Curtiss-Wright EST Group

See advertisement on page 127

Hatfield, PA | www.cw-estgroup.com

Nick Hebein | 843/743-8925 | 800/355-7044
 nhebein@curtisswright.com

Stamps: NUPIC Listed; ISO 9001:2015 Registered. ASME PCC-2

Codes: 26230, 37600, 47400, 61570, 84600, 93040*

Curtiss-Wright Nuclear Division

Brea, CA | www.cwnuclear.com

Joe Cinelli | 716/583-1228
 jcinelli@curtisswright.com

Codes: 03000, 03180, 03800, 04000, 06950, 08800, 09800, 12800, 12900, 13400, 13700, 14000, 14300, 18600, 19450, 19700, 21400, 22200, 25000, 25400, 26080, 26230, 26240, 26900, 26910, 26970, 27450, 30500, 37600, 39650, 40050, 40700, 40900, 41000, 45550, 47400, 53950, 54750, 56600, 60100, 61570, 63400, 64750, 66280, 67380, 71190, 72300, 73620, 74320, 75190, 75600, 75700, 75850, 76400, 77750, 77800, 79360, 81680, 81710, 83150, 83210, 84150, 84600, 86130, 86300, 86500, 90280, 90330, 90600, 90800, 91000, 91260, 91380, 92300, 95900, 96200

Curtiss-Wright Nuclear Division, Anatec

Brea, CA | www.cwnuclear.com

Fred Hall | 320/316-3531
 fhall@curtisswright.com

Codes: 56600, 73620, 84150, 84600, 86300*

Curtiss-Wright Nuclear Division, AP Services

Middleburg Heights, OH | www.cwnuclear.com

Mike Sheehan | 724/295-6200
 msheehan@curtisswright.com

Codes: 14000, 75190, 90280, 90330

Curtiss-Wright Nuclear Division, Enertech

Brea, CA | www.cwnuclear.com

John Knezevic | 714/982-1927
 jknezevic@curtisswright.com

Stamps: N, Classes 1, 2, 3 Valves, NPT, Classes 1, 2, 3, Valves & Appurtenances & Component Supports; NV Classes 1, 2, 3; NU; NA.

Codes: 03800, 09800, 14000, 25400, 26230, 37600, 39650, 40050, 40900, 41000, 47400, 54750, 56600, 86300, 86500, 91260, 91380

Curtiss-Wright Nuclear Division, LMT

Hutchinson, MN | www.cwnuclear.com

Fred Hall | 320/316-3531
 fhall@curtisswright.com

Codes: 56600, 84150, 84600, 86300

Curtiss-Wright Nuclear Division, NETCO

Danbury, CT | www.cwnuclear.com

Scot Leuenroth | 203/448-3310
 sleuenroth@curtisswright.com

Codes: 03800, 12800, 14000, 14300, 81680, 84600, 86300

Curtiss-Wright Nuclear Division, Nova

Middleburg Heights, OH | www.cwnuclear.com

Mike Rea | 216/898-8017
 mrea@curtisswright.com

Stamps: 10CFR50 App. B; 10CFR21; ASME NQA-1; ASME Section III Class 1, 2, 3, CS and MC/MO; ANSI N45.2; CSA Z299.1, Z299.4 (Canada); ISO 9001:2008; ISO 17025:2005; EPRI NP-5652, TR-102260 & TR-017218-R1; MIL-I-45208, MIL-STD-45662, MIL-STD-271

Codes: 13700, 14000, 26900, 39650, 47400, 60100, 61570, 64750, 86130*

Curtiss-Wright Nuclear Division, QualTech NP

Cincinnati, OH | www.cwnuclear.com

Darryl Deist | 931/759-4237
 ddeist@curtisswright.com

Stamps: ASME N, NA & NPT, Classes 1, 2, 3 & MC.

Codes: 03000, 03800, 06950, 08800, 13400, 14000, 18600, 19450, 21400, 22200, 25000, 26080, 26910, 26970, 27450, 37600, 40050, 40900, 45550, 47400, 56600, 60100, 63400, 75190, 75700, 76400, 83150, 83210, 84600, 86130, 86300, 90600, 90800, 91000, 91380, 92300, 95900*

Curtiss-Wright Nuclear Division, ScientechIdaho Falls, ID | www.cwnuclear.comTheresa Sutter | 208/497-3333
tsutter@curtisswright.comSean Fuller | 208/497-3333
sfuller@curtisswright.com**Stamps:** ASME Stamps/Symbols - CSA and TSSA**Codes:** 03180, 03800, 04000, 12800, 12900, 14000, 19700, 26240, 30040, 30500, 40700, 47400, 53950, 54750, 61570, 63400, 66280, 67380, 71190, 72300, 74320, 75190, 75600, 75850, 76400, 77750, 77800, 79360, 81680, 81710, 84600, 86130, 86300, 96200***Cutting Technologies (CTI)**Gloucester City, NJ | www.cuttingtechnologies.comJay Faith | 856/456-2255
sales@cuttingtechnologies.com**Codes:** 13050, 13700, 20300, 22700, 36900, 39960, 47400, 55040, 56600, 73570**Day & Zimmermann**Philadelphia, PA | www.dayzim.comJoe Bugica | 980/215-4566
joe.bugica@dayzim.com**Stamps:** S, R, PP, VR.**Codes:** 10780, 20300, 47400, 56600, 84600, 92800, 93040, 93900**DC Fabricators Inc.**Florence, NJ | www.dcfab.comChristina Domansky | 609/499-3000 x244
cdomansky@dcfab.comLyndsey Rifici | 609/499-4100 | 717/324-0662
lrifici@dcfab.com**Stamps:** TEMA Standards**Codes:** 03000, 37600**DCS Systems, Inc.**

Simsbury, CT

George D. Dooley | 860/651-0218
gdooley@dcssystem.com**Codes:** 03800, 12800, 14000, 25400, 40900, 86300**Deep Isolation**Berkeley, CA | www.deepisolation.com415/915-6505 | info@deepisolation.com**Codes:** 68000, 93040**Deltech Kiln and Furnace Design, LLC**Denver, CO | www.dkfdllc.comJ.J. Stevenson | 303/645-3935
jj@dkfdllc.comMary Stevenson | 303/645-3936
mary@dkfdllc.com**Stamps:** ISO 9001:2015 certified; ASME NQA-1 2008 quality assurance NIST 800-171 compliant**Codes:** 68000**Desco Mfg. Co., Inc.**Rancho Santa Margarita, CA | www.descomfg.comTom Sistrunk | 949/858-7400 | 800/337-2648
tsistrunk@descomfg.com**Codes:** 00300, 06790, 10780, 13050, 14000, 20350, 86130, 90100***DevonWay**San Francisco, CA | www.devonway.comMatt Sacks | 704/706-9333
msacks@devonway.com**Codes:** 12800**Deytec, Inc.**Ashburn, VA | www.deytecinc.comDr. Monideep Dey | 703/729-1687
deytec@frontiernet.net**Codes:** 03800, 12800, 14000, 86300, 86500**DFT Inc.**Exton, PA | www.dft-valves.comDFT Sales | 610/363-8903 | 800/206-4013
dft@dft-valves.comJeff Kane | 610/363-8903 | 800/206-4013
jkane@dft-valves.com**Codes:** 90600, 90800**Dominion Engineering, Inc.**Reston, VA | www.domeng.comDale Vines | 225/305-3428
dvines@domeng.com**Codes:** 03800, 10780, 12800, 14000, 17650, 20300, 20350, 27180, 27450, 30500, 40900, 47400, 54750, 68000, 83600, 84600, 93040**Dragon Valves, Inc.**Norwalk, CA | www.dragonvalves.comC. R. Bond | 562/921-6605 | 800/966-4007
info@dragonvalves.com**Stamps:** NUPIC Audited ASME NQA -1 and 10CFR50 App. B Program. ASME N Stamp Certification still available.**Codes:** 90250, 90600, 90800, 91260***DuBose National Energy Services, Inc.**Clinton, NC | <https://www.dubosenes.com/>Beau Laslo | 910/590-2151
beau.laslo@dubosenes.com**Stamps:** ASME NA, ASME NS, ASME NPT, ASME U, NBBI R, AISC, AWS**Codes:** 13700, 14300, 26900, 30500, 37600, 56600, 59800, 59850, 60100, 61570, 66280, 75700, 78700, 83150, 92300, 93900, 96200**Dufrane Nuclear Shielding Inc. (Dufrane Nuclear Inc.)**Winsted, CT | www.dufranenuclear.comTom Herr | 203/885-5132
therr@dufrane.comTim Tarbox | 479/886-0345
tarbox@dufrane.com**Codes:** 03800, 09950, 11650, 13050, 13700, 13850, 14000, 14300, 20300, 37130, 37200, 47400, 55490, 66280, 68000, 73570, 75700, 77750, 77800, 87000, 95750, 96200***DW James Consulting**North Oaks, MN | www.dwjames.comTom Kalinowski | 651/482-7556
tkalinowski@dwjames.com**Codes:** 14000, 20300, 37200, 68000, 86300, 93040**E.H. Wachs (A Div. of ITW)**Lincolnshire, IL | www.ehwachs.comRon Rohrbacher | 847/537-8800 | 800/323-8185
sales@ehwachs.com**Codes:** 14000, 20300, 26230, 37600, 39650, 47400, 59850, 64750, 68000, 72300, 86130, 86300, 90250, 90800***Ebersen, Inc.**

Minneapolis, MN

Chidi N. Anunka | 763/572-2661 | 612/422-7409
eberson@att.net**Codes:** 12800, 14000, 87000**Eckert & Ziegler Analytics**Atlanta, GA | https://www.ezag.com/home/products/isotope_products/isotrak_calibration_sources/Doreen McBride | 404/352-8677
isotrakusa@ezag.com**Stamps:** ISO 17025, 9001 and 17043**Codes:** 09800, 67380, 68950**ECU Corporation**Cincinnati, OH | www.ecucorp.comMichael J. Fox | 513/898-9294
mfox@ecucorp.com**Stamps:** UL508A Listed Industrial Panels, ASME AG-1 HVAC Equipment, 10CFR50 App.B QA program**Codes:** 03000, 03800, 14000, 19450, 27180, 27450, 32250, 37130, 37600, 47400, 71500, 86300**EFCO USA, Inc.**Charlotte, NC | www.efcousa.comChristian Mossberg | 704/943-1027 | 800/EFCO-USA
sales@efcousa.com**Codes:** 00300, 26230, 37600, 59850, 84150, 86130, 86300, 90320

EK USA, Inc. (EK Ekcessories, Inc.)

Logan, UT | www.ekusa.com

Alan Hochberg | 435/753-8448 | 800/338-2030
alan@ekusa.com**Codes:** 10900, 37200, 75500, 75850***Elcometer Education Institute**

Warren, MI | www.elcometeredu.com/

Deb Piatt | 248/650-0500
training@elcometerusa.com**Codes:** 86300, 86400, 86500**Elcometer, Inc.**

Warren, MI | www.elcometerusa.com

Sunny Nietubicz | 248/650-0500 | 800/521-0635
sales@elcometerusa.com**Stamps:** Certification by ISO 9001:2015, ISO/IEC
17025:2017**Codes:** 03800, 04000, 10850, 10900, 26080,
56600, 84150***Electric Motor and Contracting Company Inc.**

Chesapeake, VA | www.emc-co.com

Thad Redmond | 757/487-2121 | 800/655-1195
thad.redmond@emc-co.com**Codes:** 03800, 11400**Electrical Builders Inc. (EBI)**

St. Cloud, MN | www.electricalbuilders.com

Jessica Netter | 320/257-9008 | 877/297-0616
jnetter@electricalbuilders.com**Stamps:** ISO 9001:2015, WBENC, WOSB, VET, ANS,
NSC, IBEW**Codes:** 03800, 13850, 14000, 20350, 40900,
47400, 56600, 63400, 75190, 84600, 93900***Electro Static Technology**

Mechanic Falls, ME | www.est-aegis.com

Sunshine Spaulding | 207/998-1222 | 866/738-1857
sunshine.spaulding@est-aegis.com**Codes:** 47400, 64700, 75190***Element Nuclear (NTS Labs) (Nuclear Engineering & Test Services)**

Huntsville, AL | www.element.com

Greg Mason | 256/603-0903
greg.mason@ntslabs.com**Stamps:** A2LA, ISO9001, IEEE ICAP 3-Star rating,
Radioactive Material License**Codes:** 03200, 03800, 08800, 09800, 12800,
12900, 14000, 14300, 19700, 20000, 26080,
40050, 40900, 47400, 53950, 54750, 56600,
63400, 76400, 84600, 93040**Ellis & Watts Global Industries, Inc. (a sub. of Marmon®, a Berkshire Hathaway company)**

Batavia, OH | www.elliswatts.com

Jacob Bolden | 513/943-3327
jbolden@elliswatts.com**Stamps:** ASME B&PV Code Section III, Division 1,
Class 2 & 3: N Stamp, NA Stamp, NS Stamp, NPT
Stamp; ASME B&PV Code Section VIII, Division 1:
U Stamp, UM Stamp; ASME NQA-1; ASME AG-1;
IEEE Class 1E; CE Certificate (European Pressure
Equipment); CRN Registered (Canada)**Codes:** 00400, 03000, 14000, 19450, 27180,
27450, 32250, 37600, 39650, 71500, 77750,
84600, 90250, 92300**Elmore Engineering Services, Inc.**

Boyertown, PA | www.eesi.pro

Mary Ann S. Elmore | 610/367-0071 | 800/883-7971
melmore@eesi.pro**Codes:** 03800**Empyrean Services**

Sewickley, PA | www.emyreanonline.com

Darrell Williams | 412/923-4050
dwilliams@emyreanonline.com**Codes:** 03800, 14000, 25400**Encorus Group**

Springville, NY | www.encorus.com

Kevin Opp | 716/592-3980
kopp@encorus.com**Stamps:** NQA-1**Codes:** 20300, 25400, 26100, 47600, 53950,
74320, 77750, 86130, 93040**Enercon Services, Inc.**

Kennesaw, GA | www.enercon.com

Jim Gannon | 770/919-1930
jgannon@enercon.comRussell Lee | 630/864-3640
rlee@enercon.com**Codes:** 03800, 06790, 12800, 13850, 14000,
18590, 18600, 20300, 25400, 26100, 30040,
37200, 40900, 47400, 67380, 71190, 75850, 77750,
81680, 84600, 86300, 93040**Energy and Process Corp. (A Ferguson Sub.)**

Tucker, GA | www.energyandprocess.com

Mark Capallo | 770/934-3101 | 800/241-9460
mark.capallo@energyandprocess.com**Stamps:** QSC-332, MO, Classes 1, 2, 3, MC.**Codes:** 08800, 13700, 14300, 26900, 36000,
56600, 59800, 60100, 61570, 83150, 91260, 92300,
93900, 95900**Energy Resources International Inc.**

Washington, DC | www.energyresources.com

Eileen M. Supko | 703/627-5934
supko@energyresources.com**Codes:** 03800, 12800, 14000**Energy Steel**

Rochester Hills, MI | www.energysteel.com

Mike Lonsberry | 517/285-2988 | 866/261-3772
mlonsberry@energysteel.com**Stamps:** ASME III Div 1/3; N, NPT, NA, NS, U, R
Stamps/Certificates; 10CFR Part 21; 10CFR50 App B;
ANSI N45.2; NQA-1; MIL-145208A.**Codes:** 03000, 03800, 13600, 13850, 14300,
19450, 20300, 26900, 27180, 37600, 47400,
59800, 61570, 64700, 64750, 75190, 83120, 83150,
90250, 93900**Energy, Technology and Environmental Business Association**

Oak Ridge, TN | www.eteba.org

Terri Reedy | 865/643-2302
terri@eteba.org**Codes:** 14000, 86300, 93040**EnergySolutions**

See advertisement on pages 4-5

Salt Lake City, UT | www.energysolutions.com

Mark Walker | 801/649-2000
mwalker@energysolutions.com**Codes:** 03800, 04000, 09800, 09950, 10780,
10850, 14000, 14300, 17950, 20300, 20350,
22410, 25400, 25600, 26230, 27180, 27450,
30040, 30500, 37200, 41000, 41700, 44000,
55040, 68000, 74150, 77800, 79360, 81680,
84600, 86260, 86300, 86500, 87000, 93040**Engineered Rigging**

Russellville, AR | www.engineeredrigging.com

Christopher Cox | 844/474-4448
ccox@engineeredrigging.comEddy Kitchen | 804/814-4844
eddy@engineeredrigging.com**Codes:** 13850, 14000, 18600, 25400, 26230,
47400, 73570***Engineering Planning and Management, Inc.**

Framingham, MA | www.epm-inc.com

Robert Kalantari | 508/532-7128 | 800/437-6462
rbk@epm-inc.com**Codes:** 03800, 12800, 14000, 71190, 86300**Environmental Restoration Group, Inc.**

Albuquerque, NM | www.ergoffice.com

Chuck Farr | 505/298-4224
chuckfarr@ergoffice.com**Codes:** 09800, 12800, 14000, 17950, 20300,
25250, 26080, 26100, 26230, 37130, 37200, 41000,
47400, 55040, 55060, 73300, 86300, 93040

ETAP - Operation Technology, Inc.

Irvine, CA | etap.com

Mary J. Beal | 949/900-1000
sales@etap.com

Stamps: United States Code (U.S.C.) Title 10CFR50, App. B United States Code (U.S.C.) Title 10CFR21; ANSI/ASME N45.2-1977; ASME NQA-1 (Includes Subpart 2.7); ISO 9001:2008 Registered Certification Number 10002889 QM08; ANSI/IEEE Std 730.1-1995 CAN/CSA-Q 396.1.2-1989; ANSI N45.2.2-1972

Codes: 03800, 12800***EXCEL Services Corporation**

Rockville, MD | www.excel-services.com

Donald R. Hoffman | 301/984-4400
donald.hoffman@excel-services.com**Codes:** 03800, 14000, 20300, 25400, 41000, 47400, 75600, 86300**Exitech Corp.**

Maryville, TN | www.exitech.com

Rob Johnson | 865/983-9101
raj@exitech.com

Codes: 03800, 09750, 12900, 13850, 14000, 19700, 25400, 26240, 37130, 37200, 40900, 47400, 53950, 71190, 75600, 86300, 86400, 86500

F.E. Moran Special Hazard Systems

Northbrook, IL | www.femor.com

Yolanda Troxell | 847/421-7929
yolanda.troxell@femor.com**Codes:** 03180, 03200, 12800, 64750, 86300**F&J SPECIALTY PRODUCTS, INC.**

See advertisement on page 113

Ocala, FL | www.fjspecialty.com

Sales Coordinator | 352/680-1177/1178 | 800/832-5037
fandj@fjspecialty.com

Codes: 03000, 09750, 09800, 25250, 26080, 27450, 37130, 37200, 55040, 64750, 74150, 84150*

FabOhio, Inc.

Uhrichsville, OH | www.fabohio.com

Kurt Shelley | 740/922-4233
kshelley@fabohio.com**Codes:** 10850, 10900, 14300, 27180, 37130, 55040**FCI-Fluid Components International**

San Marcos, CA | www.fluidcomponents.com/nuclear

Nathan Obermiller | 760/744-6950 | 800/854-1993
nuclear@fluidcomponents.comMelinda Crooks | 760/744-6950 | 800/854-1993
eflow@fluidcomponents.com

Stamps: IEEE 323, IEEE 344, IEEE 383 Class 1E Seismic Category 1, ISO9001, NUPIC, HAF 604, MIL-STD 45662A, ANSI/ASME NQA-2

Codes: 03200, 09800, 25000, 40050, 54750, 55040***Five Star Products, Inc.**

Shelton, CT | fivestarproducts.com

Crysta Abell | 203/336-7941 | 800/243-2206
abellc@fivestarproducts.com**Codes:** 36900, 47400***Framatome Inc. (North American Headquarters)**

Lynchburg, VA | www.framatome.com

Donna Gaddy-Bowen | 434/832-3702
donna.gaddybowen@framatome.com

Stamps: ASME III N, NPT Stp.; ASME I S Stp.; ASME VIII Div. 1 U Stp.; Nat'l. Brd. Nuclear Cmpnts., Mod/Repl/Repair NR Stp. & Pressure Retng. Items Repair/Alter R Stp.; N, NR, NPT, ISO 9001.

Codes: 00400, 03000, 03200, 03800, 04000, 08800, 09730, 09750, 09800, 10780, 11400, 11700, 12800, 12900, 13400, 14000, 14300, 18600, 19700, 20350, 21320, 21400, 22410, 25000, 25250, 25350, 25400, 26100, 26230, 26900, 26970, 27450, 30040, 30500, 32250, 37130, 37200, 37600, 39960, 40050, 40900, 41000, 41700, 45550, 47400, 47600, 53950, 54750, 55040, 55060, 55490, 56600, 58000, 59800, 59850, 61570, 64700, 66280, 68950, 71190, 72300, 73300, 73550, 73620, 74150, 74320, 75190, 75600, 75850, 76400, 77600, 77750, 77800, 81680, 83150, 83600, 84150, 84600, 86130, 86250, 86260, 86300, 86400, 86500, 87000, 90250, 90280, 90320, 90600, 90800, 91000, 91260, 91380, 92300, 92800, 93900, 96200

Free Form Fibers

Saratoga Springs, NY | https://fffibers.com/

Jeff Vervlied | 215/768-4076
jvervlied@fffibers.com**Codes:** 00300, 55490, 77800**Frham Safety Products, Inc.**

Nashville, TN | www.frhamsafety.com

Trip McGarity | 803/366-5131
trip@frhamsafety.comFred Nance | 615/254-0841
fnance@frhamsafety.com

Codes: 03000, 10780, 10850, 10900, 11400, 11650, 24080, 25250, 26080, 26100, 26600, 27450, 36000, 37130, 37160, 45550, 47630, 68000, 73550, 74150, 77800, 79370, 83110, 83210, 95850*

Fronek - Anchor Darling Enterprises, Inc. (Sub. of Piping Technology & Products, Inc.)

Laconia, NH | www.fronekgrp.com

Walter Paszul | 603/528-1931
walter@fronekgrp.com

Stamps: ASME NS, Class 1, 2, 3; 10CFR50 App. B; ANSI N45.2

Codes: 60100**Frontier Technology Corp.**

Xenia, OH | www.frontier-cf252.com

Treva Janzow | 937/376-5691
t.janzow@frontier-cf252.com**Codes:** 14300, 25600, 68950, 77800**Fuel Tank Maintenance Co., LLC**

Cookeville, TN | www.fueltankmaintenance.com

Jerry Hahn | 615/355-5636 | 800/742-2417
jthahnjr@hotmail.com

Stamps: SSPC, QP1, QP2; NACE Level 1, Level 2. 10CFR 50 Appendix B and NQA-1 Certifications.

Codes: 03800, 06790, 11400, 13050, 13850, 14000, 17650, 20300, 20350, 22430, 25400, 30500, 40900, 47400, 56600, 74320, 75700, 75850, 83150, 84600, 92300, 93040, 93900

Full On Communications

Woodstock, VT | www.fulloncom.com

Jarret Adams | 202/815-9234
info@fulloncom.com**Codes:** 14000**Gamma Reality Inc.**

Richmond, CA | www.gammareality.com

Erika Suzuki | 510/542-9025
esuzuki@gammareality.comAndy Haefner | 510/542-9025
info@gammareality.com**Codes:** 12800, 17950, 25250, 26080, 39960, 55040**Gassew Associates, Inc.**

Glen Mills, PA | www.gassewassociates.com

Michael J. Conway | 610/259-9771
mike@gassewassociates.com

Jeff Gassew | jeff@gassewassociates.com

Codes: 54750**GE Hitachi Nuclear Energy**

Wilmington, NC | nuclear.gepower.com

Jon Allen | 910/819-2581
jonathan.allen1@ge.com

Stamps: N, NA, NPT, U and NR, Classes 1, 2, 3, CS, MC and as a Material Supplier, Pressure Vessels, Repair, Modification or Replacement.

Codes: 03200, 03800, 04000, 08800, 09750, 09800, 12800, 12900, 13600, 13850, 14000, 14300, 17950, 19700, 20000, 20300, 20350, 21270, 21400, 25000, 25600, 26080, 26100, 26240, 26900, 26970, 27450, 30500, 32250, 37200, 37600, 39650, 40900, 41000, 47400, 47600, 53950, 54750, 55040, 55490, 56600, 58000, 64750, 66280, 71190, 72300, 73300, 74150, 74320, 75600, 76400, 77750, 81680, 84150, 84600, 86400, 90250, 92300, 93900, 96200

GEI Consultants, Inc.

Woburn, MA | www.geiconsultants.com
 Chad Conti | 781/721-4119
 cconti@geiconsultants.com
Codes: 03800, 13850, 14000, 20300, 56600,
 76400, 84600, 93040

The GEL Group, Inc. (GEL Engineering, LLC), (GEL Laboratories, LLC), (Cape Fear Analytical, Inc.)

Charleston, SC | www.gel.com
 Robert Wills | 843/556-8171
 robert.wills@gel.com
Codes: 03800, 04000, 14000, 26100, 37200,
 74150, 74320, 86300, 93040

GEL Laboratories, LLC (A Member of The GEL Group, Inc.)

Charleston, SC | www.gel.com
 Robert P. Wills | 843/556-8171
 robert.wills@gel.com
Codes: 37200, 93040*

Genave Electronics

Hampton, MN | www.genave.com
 Jim Edwards | 952/236-6540
 support@genave.com
Codes: 25300, 40900

General Atomics Electromagnetic Systems

San Diego, CA | www.ga.com/radiation-monitoring-systems
 Brandon Brooks | 858/964-6940
 brandon.brooks@ga.com
Stamps: ISO9001:015/AS9100:2016
Codes: 03200, 03800, 09750, 09800, 12800,
 14000, 17950, 19700, 25000, 26080, 47400,
 55040, 55060, 67380, 68950, 74150*

General Magnaplate

Arlington, TX | www.magnaplate.com
 Darin Chase | 817/640-1761 | 800/852-3301
 info@magnaplate.com
Stamps: ISO 9001:2015 registered, AS9100
 certified, Nadcap certified
Codes: 14000*

General Plastics Mfg. Co.

Tacoma, WA | <https://www.generalplastics.com/>
 Jaci Hendricks | 253/472-5000 | 800/806-6051
 jaci_hendricks@generalplastics.com
 Lori Coker | 253/472-5000 | 800/806-6051
 lori_coker@generalplastics.com
Stamps: General Plastics' quality system is certified
 to AS9100C and ISO 9001:2015/AS9100D, and meets
 requirements of NQA-1 and MIL-I-45208A
Codes: 03800, 08800, 14300, 39960, 68000,
 77800, 83210, 86130, 87000

GenScope, Inc.

East Longmeadow, MA | www.genscope.com
 Sales | 413/526-0802
 sales@genscope.com
Codes: 26970, 39960, 73300

Gilbert Consulting Services, Inc.

Arroyo Grande, CA | <https://www.gcservices.com>
 Keith Gilbert | 805/481-5105
 keith@gcservices.com
Codes: 25400

Glenair, Inc.

Wallingford, CT | www.glenair.com
 Doug Merriman | 203/741-1115
 dmerriman@glenair.com
Codes: 13400

Glidewell Specialties Foundry Co.

Calera, AL | www.glidewell-foundry.com
 John Hendrix | 205/668-1881 x3011
 jhendrix@glidewell-foundry.com
 Mark Fields | 937/287-1845
 markfields@glidewell-foundry.com
Stamps: ISO 9000; Bureau Veritas Factory Approval
 Cert; Lloyd's Register Factory Approval.
Codes: 14300, 77800

Global Quality Management Advisors

Lynchburg, VA | www.gqmadvisors.com
 Paul W. Gladieux | 503/939-4498
 paul@gqmadvisors.com
Codes: 12800, 14000, 40900, 71190, 84600, 86300

GLSEQ, LLC

Huntsville, AL | www.glseq.com
 Jim Gleason | 315/664-3771
 jim.gleason@glseq.com
 Patrick Gleason | 256/369-8857
 pat.gleason@glseq.com
Codes: 03800, 04000, 12800, 12900, 14000,
 17950, 20000, 21370, 25250, 32250, 54750, 55040,
 56600, 74320, 76400, 84150, 84600, 86300

GoldSim Technology Group

Seattle, WA | www.goldsim.com
 Rick Kossik | 425/295-6985
 rkossik@goldsim.com
Codes: 03800, 12800, 14000

Goodway Technologies

See Sponsored Content on pages 24-25
 Stamford, CT | <https://www.goodway.com/>
 Victor Crespo | 800-243-7932 x6373
 vcrespo@goodway.com
 Bill Griffin | 800-243-7932 x6326
 wgriffin@goodway.com
Codes: 10780, 47400, 90100

Government Scientific Source

Reston, VA | <https://www.govsci.com/>
 PerryAnne Coffey | 800/248-8030
 marketing@govsci.com
Stamps: ISO 9001:2015
Codes: 04000, 20350, 41015, 55040, 55060, 58000

Thomas Gray & Associates, Inc. (Aff. of Environmental Mgmt. & Controls, Inc.)

Orange, CA | www.tgainc.com
 Richard E. Gallego | 714/997-8090
 rich@tgainc.com
Codes: 04000, 14000, 14300, 25600, 79360,
 84600, 86300, 87000, 93040

Grecheck Consulting LLC

Midlothian, VA
 Eugene S. Grecheck | 804/382-2352
 egrecheck@gmail.com
Codes: 14000

GSE Engineering, Design & Analysis (Formerly known as DP Engineering)

Fort Worth, TX | <https://www.gses.com/engineering/design-and-analysis/>
 Sunny DeMattio | 410/970-7800
 sunny.demattio@gses.com
 Matthew Adams | 410/970-7898 | 407/739-2498
 matt.adams@gses.com
Codes: 03800, 13850, 14000*

GSE Engineering, Programs & Performance (Formerly known as True North Consulting)

Montrose, CO | www.gses.com
 Derek Horn | 970/822-9213 | 970/252-1489
 derek.horn@gses.com
 Sunny DeMattio | 410/970-7800
 sunny.demattio@gses.com
Codes: 14000*

GSE Workforce Solutions, Technical Staffing (Formerly known as Absolute Consulting)

Columbia, MD | www.gses.com/workforce-solutions/
 Sunny DeMattio | 410/970-7800
 info@gses.com
Codes: 25400*

Gutor Technologies LLC

Houston, TX | www.gutor.com
 Michael May | 865/230-3582
 michael.may@se.com
Stamps: NUPIC Audited 10CFR50 AppB / NQA-1
 Quality Program. ISO 9001 Certification by Bureau
 Veritas.
Codes: 63400

H3D, Inc.

Ann Arbor, MI | h3dgamma.com
 Y. Andy Boucher | 734/661-6416
 andy@h3dgamma.com
Codes: 12800, 17950, 20300, 25250, 39960,
 55040, 56600

Hansell Tierney, Inc. (WBE)

Mercer Island, WA | https://hanselltierney.com/
 David Yount | 206/377-9840
 dyount@hanselltierney.com

Stamps: A certified women-owned business

Codes: 14000, 25400

Hayward Tyler

Colchester, VT | www.haywardtyler.com
 Jeff Belotti | 802/655-4444 x141
 jeffrey.belotti@haywardtyler.com

Stamps: N, NA, NPT, Classes 1, 2 & 3.

Codes: 64700, 64750

Health Physics Instruments (Div. of Far West Technology)

Goleta, CA | www.fwt.com
 Deborah Thiele | 805/964-3615
 info@fwt.com

John Handloser | 805/964-3615
 info@fwt.com

Codes: 03200, 09800, 17950, 21270, 37130, 37200,
 47400, 55040

HealthPhysics.com

Amarillo, TX | www.healthphysics.com
 Michael Ford | 806/459-9979
 michael@healthphysics.com

Codes: 14000

Heat Exchanger Products Corp. (HEPCO)

Hingham, MA | www.heatexchangerproducts.com
 Tracy Hennigan Bonnyman | 781/749-0220 | 800/472-
 8484
 hepco@heatexchangerproducts.com

Codes: 10780, 20350, 37600, 47400, 61570, 84150

Hennigan Engineering LLC

Hingham, MA | www.henniganengineering.com
 Tracy Hennigan Bonnyman | 781/749-0220 | 800/472-
 8484
 thb@henniganengineering.com

Stamps: Certification by SSPC-QP1 and QP2.

Codes: 10780, 11400, 20300, 20350, 37600,
 40900, 47400, 56600, 61570, 84600

Hexion Inc.

Columbus, OH | www.hexion.com
 Product Information | 614/986-2497 | 888/443-9466
 service@hexion.com

Codes: 11400, 14000, 17650

HGP Inc.

Greenville, SC | www.hgp-inc.com
 Fred Giffels | 864/370-0213
 fgiffels@hgp-inc.com

Codes: 12800, 14000

HI-Q Environmental Products Company, Inc.

San Diego, CA | www.HI-Q.net
 Marc A. Held | 858/549-2820
 info@hi-q.net

Stamps: Quality Management System is both
 ISO 9001:2015 and ISO 17025:2017 Certified for
 the manufacturing of Air Sampling & Radiation
 Monitoring Equipment, Systems & Accessories along
 with ANSI N13.1-2011 - 2021 Stack Sampling Location
 Qualification Testing for plant vent stack radiation
 monitoring systems.

Codes: 03200, 04000, 09750, 09800, 17950,
 21270, 25250, 26080, 26100, 27450, 37130, 37200,
 41000, 55040, 55060, 58000, 64750, 74150,
 74320, 84150, 90100, 90800*

Highland TEMS, LLC

Marietta, GA | www.highland-temseengineering.com
 Ralph Schwartzbeck, P.E. | 404/386-3971
 ralph@highland-temseengineering.com

Codes: 14000

Hoffer Flow Controls

Elizabeth City, NC | www.hofferflow.com
 Janna Critcher | 252/331-1997 | 800/628-4584
 info@hofferflow.com

Codes: 40050

Holtec International

See advertisement on page 109

Camden, NJ | www.holteceinternational.com
 Joy Russell | 856/797-0900 x3655
 j.russell@holtec.com

Dr. Rick Springman | 856/797-0900 x3716
 r.springman@holtec.com

Stamps: ASME Stamps: N, NPT, N3, U, R, NR, NB, NS.
 ISO 9001:2015, ISO 3834-2

Codes: 03800, 14000, 14300, 30500, 37600,
 47400, 66280, 68000, 77750, 77800, 81680,
 81710, 92300, 93040

Hopewell Designs, Inc.

Alpharetta, GA | www.hopewelldesigns.com
 Richard Warren | 770/667-5770
 richard.warren@hopewelldesigns.com
 Kevin Klem | 770/667-5770
 sales@hopewelldesigns.com

Codes: 00400, 09750, 09800, 14300, 20300,
 37130, 37160, 37200, 47400, 55490, 68000,
 73300, 77750, 77800

HukariAscendent

Wheat Ridge, CO | www.hukari.com
 Ken Hukari | 303/384-9079 | 866/487-7628
 ken@hukari.com

Codes: 12800, 13850, 14000, 71190, 86300

Human Resources Consulting

Gallatin, TN | www.yourhrconsultant.com
 Gary Kaufman | 615/305-1900
 garykaufman@yourhrconsultant.com

Codes: 25400, 86300

Huxtable Consulting LLC

Hilton Head, SC | https://www.huxtableconsulting.com/

Brian Huxtable | 651/399-0832
 brian@huxtableconsulting.com

Codes: 12800

Hydro, Inc. (HydroAire Services Division)

Chicago, IL | www.hydroinc.com
 Faisal Salman | 312/738-3000 | 800/223-7867
 fsalman@hydroinc.com

Stamps: HydroAire's N-Stamp (N-3352) and
 National Board of Boiler and Pressure Vessel
 Inspectors, Certificate of Authorization (NR-92) for
 Nuclear Repairs were renewed July 2021. They are
 authorized by ASME to provide services for code
 pumps. HydroAire also holds an ASME NPT Certificate
 (N-3194). Their QA Program complies with 10CFR50
 App. B, ASME Section III and applicable sections of
 ASME Section XI. The program has been audited by
 NUPIC- Audit 23510. They are on a 3-year Survey
 cycle.

Codes: 03800, 14000, 40900, 47400, 56600,
 64700, 64750, 84150, 84600

I.C.E. Service Group, Inc.

See advertisement on page 92

Moon Township, PA | www.iceservicegroup.com
 Dennis Morgan | 412/916-5710
 dmorgan@iceservicegroup.com

Stamps: NQA-1

Codes: 09950, 12800, 14000, 14300, 20300,
 25250, 25400, 26230, 68000, 86300, 87000,
 93040

ILD, Inc.

Baton Rouge, LA | www.ildpower.com
 Jack Little | 225/769-2780 x111
 jack@ildpower.com

Codes: 03800, 14000, 84600, 86300

Imperia Engineering Partners LLC

Milford, MA | www.imperiaep.com
 Scot Blodgett | 855/425-8726
 scot.blodgett@imperiaep.com

Codes: 03800, 13850, 14000, 20300, 40900,
 75600, 84600

In-Place Machining Company, LLCBlue Ash, OH | www.inplace.comJoe Shebesta | 513/388-0199
jshbesta@inplace.comAdam Ball | 513/388-0199
aball@inplace.com**Codes:** 13050, 13850, 14000, 20300, 20700, 40900, 47400, 56600, 86130, 93900**Integra Services Technologies Inc.**Pasadena, TX | www.integratechnologies.comDebbie Jackson | 713/920-2400 | 800/779-2658
info@integratechnologies.com**Codes:** 14000, 22700, 26230, 39650, 47400, 56600, 60100, 64750, 86130**Interdevelopment, Inc.**Washington, DC | www.interdevelopment.comM.K. Luddemann-Faris | 202/508-1459
interdevelopment@starpower.net**Codes:** 03800, 14000, 86900**International Isotopes, Inc. (RadQual)**Idaho Falls, ID | www.intisoid.comTerri Snarr | 208/524-5300
tsnarr@intisoid.comShahe Bagerdjian | 208/524-5300
sbagerdjian@intisoid.com**Codes:** 25600, 40900, 68950***Intertek**Santa Clara, CA | intertek.com/nuclearRussell Cipolla | 408/636-5322
russell.cipolla@intertek.com**Codes:** 03800, 14000, 56600**InVizion LLC**Bala Cynwyd, PA | www.invizionllc.comKristy Neckowicz | 484/270-0239
info@invizionllc.com**Codes:** 12800, 14000, 86300**Ironworker Management Progressive Action Cooperative Trust (IMPACT)**Washington, DC | www.impact-net.orgKenny Waugh | 202/393-1147 | 800/545-4921
info@impact-net.org**Codes:** 13700, 13850, 86400**ISO-PACIFIC Remediation Technologies, Inc.**Richland, WA | www.isopacific.netLori Dillon | 509/375-0100
admin@isopacific.net**Codes:** 03200, 03800, 09730, 10780, 12800, 14000, 17950, 18600, 20300, 21370, 22700, 25600, 26230, 30500, 37130, 37200, 39960, 47400, 53950, 56600, 63400, 64700, 66280, 67380, 68950, 71190, 72300, 73300, 74150, 74320, 77750, 79700, 87400, 93040**Jacobi Consulting**Austin, TX | www.jacobiconsulting.netRick Jacobi | 512/656-4765
rjacobi@jacobiconsulting.net**Stamps:** P.E.; J.D.**Codes:** 14000**Jacobs (CH2M HILL Nuclear Business Group), (CH2M HILL International Nuclear Services, Ltd.), (CH2M HILL Constructors, Inc.), (Jacobs Engineering), (Jacobs)**Dallas, TX | www.jacobs.comDee Gray | 509/942-8580
dee.gray@jacobs.comJennifer Sen | 919/760-7035
jennifer.sen@jacobs.com**Stamps:** American Society of Mechanical Engineers Nuclear Quality Assurance (ASME) NQA-1**Codes:** 14000, 20300, 20700, 93040**James C. White Company, Inc.**Greenville, SC | www.jcwco.comJohn A. White | 864/288-4692 | 800/421-9410
nuclearsales@jcwco.com**Codes:** 03000, 08800, 60100, 71500***James Fisher Technologies**Loveland, CO | www.jftechgroup.comScott Adams | 720/408-0100
scott.adams@jftechgroup.com**Codes:** 03000, 03200, 03800, 04000, 08800, 09750, 09800, 10780, 10850, 12800, 13050, 13400, 14000, 17950, 20300, 20350, 20700, 25400, 26230, 26910, 30500, 36000, 37130, 39650, 40900, 45550, 47400, 47600, 53950, 55040, 55060, 56600, 59850, 67380, 68000, 72300, 73300, 73550, 73620, 79360, 84150, 86130, 92800, 93040**Jensen Hughes**Baltimore, MD | www.jensenhughes.comHunter Young | 623/738-3873
hyoung@jensenhughes.comDon Vanover | 484/260-6952
dvanover@jensenhughes.com**Codes:** 12800, 14000, 20300, 75600, 86300**JME Technologies**Crystal Lake, IL | www.jmetechnologies.comKaren Ewert | 815/477-8800
kewert@jmetechnologies.com**Codes:** 40900, 56600**JNT Technical Services Inc.**Little Ferry, NJ | www.torq-n-seal.comGlenn Jorgensen | 201/641-2130
sales@jnttechnical.com**Stamps:** NPT N-2928, Class III: NCA 3800, 10CFR50 App. B/10CFR Part 21.**Codes:** 47400, 56600, 61570, 86130**Joseph Oat Corp.**Camden, NJ | www.josephoat.comCrystal Harrington | 856/541-2900
c.harrington@josephoat.com**Stamps:** N, NPT, NA, Classes 1, 2, 3, MC, U, S; N Classes 1, 2, 3, MC Vessels + Piping Systems. +2, 3 Storage Tanks, NPT Class 1, 2, 3 & MC, NA Class 1, 2, 3 U&S, 10CFR50 Appendix B, 10CFR71 Subpart H, 10CFR72 Subpart G, NQA-1 Program, Certification by ISO 9001.**Codes:** 00400, 03800, 09950, 13700, 14000, 14300, 26900, 27450, 36000, 37600, 40900, 56600, 59800, 66280, 68000, 77750, 78700, 81710, 83150, 84600, 90100, 92300, 93900**JRM Chemical Inc.**Cleveland, OH | www.soilmoist.comScott Wiesler | 216/475-8488 | 800/962-4010
jrm@en.com**Codes:** 79370**JSM Protective, Inc.**Port St. Lucie, FL | www.jsmprotective.comJeannette McLean | 910/619-3141
jmclean@jsmonline.com**Stamps:** Woman Owned Small Business; ANS Member; SAM Registered**Codes:** 10850, 10900, 26080, 26600, 27180, 27450, 36000, 37130, 37160, 41200, 47630, 54750, 55040, 64300, 72300, 73550, 77800, 79370, 83110, 83120, 83150, 83210, 95750, 95850**K Effective LLC**Blue Bell, PA | www.keffective.comTom Tomlinson | 610/277-8991 x201
tom@keffective.com**Codes:** 12800, 14000**K-Tek International Inc.**Wilsonville, OR | www.ktekintl.comJames Shim | 503/624-0315
james@ktekintl.com**Codes:** 40900, 47400, 75850, 91260, 91380, 92300**KCI Engineering Consultants**Downers Grove, IL | <https://www.kciconsultants.com/>Jim Raines | 630/956-0519
jraines@kciconsultants.com**Codes:** 03800, 12800, 13850, 14000, 20300, 40900, 47400, 54750, 86300**Kiewit Nuclear Solutions Co.**Oak Ridge, TN | <https://www.kiewit.com/>Josh Patterson | 865/364-8252
joshua.patterson@kiewit.comTessa Maffett | 713/899-0953
tessa.maffett@kiewit.com**Codes:** 13850

Kinematics, Inc.

Pasadena, CA | www.kinematics.com
 Mauricio Ciudad-Real | 626/795-2220
 mcr@kmi.com
Codes: 03800, 09800, 14000, 76400, 84600, 86300

Klein Consulting LLC

Norwich, CT | www.kleinconsultllc.com
 Ralph L. Klein | 860/885-1980
 ralph.klein@kleinconsultllc.com
Codes: 14000, 40900, 86300

Knowledge Relay

Cypress, CA | www.knowledgerelay.com
 Lee Gliddon | 714/761-6760
 lee.gliddon@knowledgerelay.com
Codes: 12800, 14000, 19700*

Komline

Peapack, NJ | www.komline.com
 Brian Komline | 908/234-1000
 info@komline.com
Stamps: ASME
Codes: 09730, 22410, 24170, 68000, 93040

Konecranes Nuclear Equipment & Services LLC (Formerly Morris Material Handling / P&H)

New Berlin, WI | www.konecranes.com
 Steve Lawrence | 262/364-5700
 steve.lawrence@konecranes.com
Stamps: Quality Compliant to ISO 9001, 10CFR50 App. B & NQA-1
Codes: 09950, 18600, 30500, 40900, 47400, 72300, 81680, 81710, 87000, 96200

KROHNE, Inc. (KROHNE Group)

Beverly, MA | us.krohne.com
 Jeff Shen | 978/535-6060 | 800-FLOWING
 j.shen@krohne.com
 Anke Krueger | +33 47505 6703
 a.krueger@krohne.com
Codes: 03200, 40050

LabLogic Systems, Inc.

Tampa, FL | www.lablogic.com
 Ashvin Boodhun | 813/626-6848 | 800/875-4687
 aboodhun@lablogic.com
 Mirna Ayshoa | 813/626-6848
 mayshoa@lablogic.com
Codes: 03200, 03800, 04000, 09800, 17950, 25250, 55040

Labor Sync

Dumont, NJ | www.laborsync.com
 Joe Burger | 877/411-5666
 jburger@laborsync.com
Codes: 12900

Laboratory Services (Div. of Consumers Energy)

Jackson, MI | www.laboratoryservices.com
 Terry Coleman | 517/788-0400 | 800/736-4147
 terry.coleman@cmsgenergy.com
Stamps: 10CFR50 App. B, Certification by American Association for Laboratory Accreditation (A2LA) ISO/IEC 17025 - General Requirements for the Competence of Testing and Calibration Laboratories, ANSI/NCSL Z540.
Codes: 03800, 09800, 40900, 41000, 56600

Lambda Technologies

Cincinnati, OH | www.lambdatechs.com
 Julie Prevey | 513/561-0883 | 800/883-0851
 jprevey@lambdatechs.com
Codes: 03800, 17650, 44000, 56600, 84600

Lancs Industries

Albuquerque, NM | www.lancsindustries.com
 Lewis E. Byrd | 505/738-7200
 sales@lancsindustries.com
Codes: 03000, 10850, 10900, 14300, 27450, 36000, 37130, 64300, 64750, 68000, 73550, 77800, 83210

Landstar

Burlington, KY | www.bbtransportation.com
 Brandon Coburn | 859/525-7120 | 800/872-9625
 brandon.coburn@landstarmail.com
Codes: 14300, 87000*

LATA

Albuquerque, NM | www.lata.com
 Robin Beard | 806/381-3114
 rbeard@lata.com
Codes: 03800, 13850, 14000, 20300, 20700

Leak Testing Specialists, Inc.

Orlando, FL | leaktestingspecialists.com
 Melissa Ramos | 407/737-6415
 melissa.ramos@leaktestingspec.com
Codes: 13850, 14000, 14300, 84150, 84600, 86300, 86400

LeBlond and Associates, LLC

Libertyville, IL | www.leblondassociates.com
 Peter LeBlond | 847/549-8775
 leblond@prodigy.net
Codes: 14000, 86300, 86500

Lenox Instrument Co., Inc.

Trevose, PA | www.lenoxinst.com
 Bill Lang | 215/322-9990 | 800/356-1104
 bill@lenoxinst.com
Codes: 26230, 40900, 73300, 83600, 92800

Lightbridge Corporation

Reston, VA | www.ltbridge.com
 James Fornof | 571/730-1200
 jfornof@ltbridge.com
 Seth Grae | 571/730-1200
 sgrae@ltbridge.com
Codes: 14000

Lights Camera Action, LLC

Gilbert, AZ | www.lights-camera-action.net
 Walt Ahland | 480/345-0642 | 480/390-3493
 wahland@lights-camera-action.net
Codes: 45550

Lincoln Structural Solutions

Louisville, NE | www.lincolnstructural.com
 Danielle Kottas | 402/952-4401 | 800/571-6884
 dkottas@lincolnstructural.com
Codes: 13700, 26900, 59800, 60100, 78700, 84600

LND, Inc.

Oceanside, NY | www.lndinc.com
 Bill Lehnert | 516/678-6141
 info@lndinc.com
Codes: 04000, 17950, 21270, 25000, 26080, 37130, 54750, 55040, 55060, 74150, 93040

Longenecker & Associates, Inc.

Las Vegas, NV | www.la-inc.com
 Mike Nartker | 202/957-8137
 mnartker@la-inc.com
Codes: 12800, 13850, 14000, 20300, 87000, 93040

Lucideon

Morrisville, NC | www.lucideon.com/nuclear
 Mary Beth Sprott | 919/504-4600
 marybeth.sprott@us.lucideon.com
Codes: 03800, 14000, 25600, 84600, 93040

LUDECA, Inc.

Doral, FL | www.ludeca.com
 Ron Lambert | 305/591-8935
 sales@ludeca.com
Codes: 03800, 14000, 21400, 40050, 40900, 47400, 54750

Ludlum Measurements, Inc.

Sweetwater, TX | <https://ludlums.com>
 Allan Hartfield | 325/235-5494 | 800/622-0828
 ahartfield@ludlums.com
Codes: 04000, 17950, 21270, 37130, 55040,
 55060, 87380*

M. Braun, Inc.

Stratham, NH | www.mbraun.com
 Michael Boutin | 603/773-9333
 m.boutin@mbraunusa.com
Codes: 04000, 32250, 36000, 37130

M2 Polymer Technologies, Inc.

West Dundee, IL | www.m2polymer.com
 Martin Matushek | 847/836-1393
 info@m2polymer.com
Codes: 20350, 68000, 79360, 79370

A. C. Macris, Consultants

Mystic, CT | www.themacrisgroup.com
 A. C. Macris | 860/572-0043
 acmpc@acmacris.com
Codes: 14000, 53950, 86300, 86500*

Magnatech LLC

East Granby, CT | www.magnatechllc.com
 J. G. Emmerson | 860/653-2573 x10
 info@magnatechllc.com
Codes: 59850, 83600, 93900

Major Tool & Machine

Indianapolis, IN | www.majortool.com
 J. David Weyreter | 317/917-4062
 dweyreter@precinmac.com

Stamps: N Class 1, 2, 3 & MC Vessels; Class 1, 2 & 3 Piping Systems; Class 2 & 3 Storage Tanks, Class CS Core Support Structures, Class TP Transport Packaging, Class TC Transportation Containments and Class SC Storage Containments; NPT Class 1, 2, 3, CS, MC, TP. ASME NQA-1 2008 w/2009 addenda ASME U, U2, R
Codes: 14300, 30500, 36000, 37600, 56600, 66280, 81710, 83150, 87380, 87395, 90100, 92300, 93900

Manafort Brothers Inc.

Plainville, CT | www.manafort.com
 Vince Mondo | 860/793-6451
 vmondo@manafort.com
Codes: 13850, 20300, 20700

Marshallton Research Laboratories, Inc.

See advertisement on page 94
 King, NC | www.marshalltonlabs.com
 Mac Foster | 336/983-2131
 info@marshalltonlabs.com
Codes: 20350

Master-Lee Energy Services

Latrobe, PA | www.masterlee.com
 Michael Hamby | 724/805-4913 | 800/662-4493
 hamby-mt@masterlee.com
Codes: 47400*

Master-Lee Engineered Products Inc.

Latrobe, PA | www.masterlee.com
 Michael Hamby | 724/805-4913 | 800/537-6007
 hamby-mt@masterlee.com
Codes: 10780, 26230, 30500, 45550, 47400,
 47600, 61570, 72300, 84600, 86130, 90100, 92800

Materials and Chemistry Laboratory, Inc. (MCLinc)

Oak Ridge, TN | www.mcl-inc.com
 Barry Stephenson | 865/276-6910
 bstephenson@mcl-inc.com
 Brian Havelly | 865/276-6914
 bhavelly@mcl-inc.com
Stamps: ISO/IEC 17025:2017 (DOECAP-AP) AIHA Accredited (IHLAP) Radioactive Materials License
Codes: 03800, 14000, 37200, 84600

Maxeta Technologies, Inc.

Skillman, NJ | www.maxetatech.com
 609/356-0178 | 877/9-MAXETA
 info@maxetatech.com
Codes: 12800*

Mazur Instruments

Castle Rock, CO | www.mazurinstruments.com
 Vince Mazur | 303/325-7463
 vince.mazur@mazurinstruments.com
Codes: 17950

Mega-Tech Services, LLC

Cooksburg, PA | www.mega-techservices.biz
 John Bowen | 804/789-1577
 jbowen@mega-techservices.biz
Codes: 03800, 13050, 14000, 20300, 20350,
 81710, 86130

Meridian Services Group (formerly Work Management, Inc., and High Bridge Associates, Inc.)

Chattanooga, TN | <https://meridian-sg.com/>
 Liz Snow | 423/468-4317
 Jim O'Connor | 423/468-4317
Codes: 03800, 14000, 20300, 86300

Merrick & Company

Greenwood Village, CO | www.merrick.com
 Tony Wampler | 719/322-6220 | 800/544-1714
 tony.wampler@merrick.com
Stamps: ASME NQA-1
Codes: 13850, 14000, 20300, 25400, 30500,
 32250, 39960, 44000, 47600, 47620, 53950,
 68000, 72300, 73620, 75600, 86130, 87380,
 87395, 87400, 93040, 95750

MillenniTEK, LLC

Knoxville, TN | www.millennitek.com
 Steve Getley | 865/966-2170
 steve.getley@millennitek.com
Codes: 03800, 13700, 14000, 41200, 55490, 77800

Miller Pipeline

Indianapolis, IN | www.millerpipeline.com
 Chris Schuler | 317/653-5203 | 800/428-3742
 chris.schuler@millerpipeline.com
 Daniel Watters | 317/653-5298 | 800/428-3742
 daniel.watters@millerpipeline.com
Codes: 11400, 13850, 20350, 33200, 40900, 47400

Mirion Technologies (Canberra) Inc.

Meriden, CT | www.mirion.com
 203/238-2351 | 800/243-3955
 customersupport@canberra.com
Stamps: Certification by ISO 9001.
Codes: 09750, 09800, 12800, 12900, 14000,
 17950, 19700, 20000, 20300, 20350, 21270, 21310,
 25000, 25250, 26080, 26100, 26230, 37130, 37200,
 40900, 41000, 44000, 47400, 55040, 55060,
 58000, 67380, 68000, 68950, 71190, 74150, 77750,
 84150, 84600, 86300, 93040*

Mirion Technologies (IST) Corp. (Sensing Systems Div.)

Horseheads, NY | www.mirion.com
 Tim Pelot | 607/562-4530
 tpelot@mirion.com
Stamps: N Classes 1, 2, 3 & MC Vessels, Class 1, 2, 3 Valve Parts & Appurt., Class 1, 2, 3, Valves, Class MC Penetrations & Assem.
Codes: 08800, 13400, 17950, 21270, 25000,
 26910, 26970, 40900, 45550, 47400, 54750,
 73300, 75190, 83600, 84150, 90250, 90800,
 91260, 92800, 93040, 95900

Mirion Technologies, Inc. (Sensing Systems Div.)

Atlanta, GA | www.mirion.com
 Christy Phillips | 770/432-2744
 cphillips@mirion.com
Codes: 03180, 03200, 03800, 04000, 08800,
 09750, 09800, 12800, 13400, 17950, 21270, 21300,
 21310, 25000, 26900, 26910, 26970, 40900,
 45550, 47400, 54750, 55040, 58000, 71190,
 72300, 73300, 74150, 75190, 75700, 75850, 77750,
 83600, 84150, 84600, 90250, 90800, 91260,
 92800, 93040, 95900

Mohawk Safety

Manchester, CT | www.mohawksafety.com
James W. Francoline | 860/643-5107 | 800/394-6853
sales@mohawksafety.com

Codes: 10850, 10900, 14300, 17950, 27450, 36000, 37130, 37160, 77800, 83120, 84150, 95850

Mound Technical Solutions, Inc.

Miamisburg, OH | www.moundtech.com

Doug McClelland | 937/987-3536
doug@moundtech.com

Codes: 04000, 55040, 74150

Murray and Trettel, Inc.

Palatine, IL | www.weathercommand.com

John Boyle | 847/987-3536
john.boyle@weathercommand.com

Codes: 12800, 14000, 26100

NAC International Inc.

See advertisements on pages 9 and 122

Peachtree Corners, GA | www.nacintl.com

George Vaughan | 678/328-1222 | 770/447-1144
gvaughan@nacintl.com

Juan Subiry | 678/328-1282 | 770/447-1144
jsubiry@nacintl.com

Codes: 00400, 03800, 12800, 13850, 14000, 14300, 20300, 30040, 30500, 55490, 68000, 77800, 81710, 86300, 87000, 93040

NAC LPT LLC

See advertisement on page 93

Mars, PA | www.naclpt.com

Ken Grumski | 724/312-3031
kgrumski@naclpt.com

Codes: 03800, 09950, 14000, 14300, 20300, 68000

NAC Philotechnics, Ltd.

Oak Ridge, TN | www.nacphilo.com

Michael Miller | 724/480-7592
mmiller@nacphilo.com

Codes: 14000, 14300, 20300, 20350, 25600, 37200, 68950, 79370, 87000, 93040

NAES Power Contractors, Inc.

Cranberry Township, PA | www.naes.com

Jason Hardy | 360/388-0288
jason.hardy@naes.com

Stamps: R Stamp

Codes: 13850, 14300, 20300

National Electric Coil

Columbus, OH | www.national-electric-coil.com

Steve Jeney | 614/488-1151
sendinfo@national-electric-coil.com

Codes: 47400, 84600

Navarro

Oak Ridge, TN | www.navarro-inc.com

JoEllen Kuszmaul | 865/220-9650
kuszmaul@navarro-inc.com

Codes: 03800, 12800, 13850, 14000, 20300, 25400, 26080, 26100, 37200, 67380, 68000, 86500, 93040

Neptune and Company, Inc.

Lakewood, CO | www.neptuneinc.org

Paul Black | 303/956-9867
pblack@neptuneinc.org

Stamps: GoldSim certified programmers and trainers; DABT; FEHM; ASTM; ProUCL; GiSDT; ISO

Codes: 03800, 12800, 14000, 86300, 93040

NETCo

Windsor, ME | <https://netcoinc.net/>

Brock Bradford | 207/445-2228
brb@netcoinc.net

Codes: 17950, 21370, 26230, 47400, 75500, 75600, 75700, 75850, 86300

Netzsch Instruments North America LLC

Burlington, MA | <https://www.netzsch-thermal-analysis.com/us/>

Melinda Tucker | 303/895-8175
melinda.tucker@netzsch.com

Anthony Maletta | 781/825-5853
anthony.maletta@netzsch.com

Codes: 03800, 04000, 14000, 84150, 84600*

New Millennium Nuclear Technologies International

Lakewood, CO | www.nmnuclear.com

Sue Aggarwal | 303/984-5788
saggarwal@nmnuclear.com

Stamps: Certification by ISO 9001.

Codes: 13050, 14000, 20350, 25600, 26100, 74320, 93040

The New York Blower Company (NYB)

Willowbrook, IL | www.nyb.com

Catherine Chalakoff | 630/794-5700 | 800/208-7918
cchalakoff@nyb.com

Codes: 03000, 19450

Newark Wire Cloth Co.

Cedar Grove, NJ | www.newarkwire.com

Richard W. Campbell | 973/778-4478 | 800/221-0392
rcampbell@newarkwire.com

Stamps: ISO 9001:2015, AS9100 Rev. D

Codes: 27450, 47400

Newton Research Labs, Inc.

Renton, WA | www.newtonlabs.com

Lloyd Proctor | 425/251-9600
lproctor@newtonlabs.com

John Bramblet | 425/251-9600
jwb@newtonlabs.com

Codes: 12800, 39960, 40900, 73300, 84150, 84600

Newton Security Inc.

Renton, WA | www.newtonsecurityinc.com

Jason Shipley | 425/251-9494
sales@newtonsecurity.com

Codes: 75700, 75850

NextAxiom Technology, Inc.

San Francisco, CA | www.nextaxiom.com

John Manoogian | 415/637-1580
info@nextaxiom.com

Stamps: ISO9001 Certified

Codes: 12800

Nextteq International LLC Nextteq

Tampa, FL | www.nextteq.com

Janet Baker-Truex | 813/249-5888 | 877/312-2333
janet_b1@nextteq.com

Jennifer Moore | 813/249-5888 | 877/312-2333
jennifer_m2@nextteq.com

Codes: 03000, 03800, 04000, 26080, 32250, 37130, 37200, 54750, 64750, 73550, 74150, 84150*

NFT by Alpha Safety Group

Golden, CO | www.nftinc.com

Marc Rood | 303/910-7830
mrood@nftinc.com

Terry Wickland | 303/384-9785
twickland@nftinc.com

Codes: 14300, 27450, 68000, 77800, 90100, 93040

Norbar Torque Tools, Inc.

Willoughby, OH | www.norbarusa.com

Sam Ortolani | 440/953-1180 | 866/667-2272
sortolani@norbar.us

Stamps: Battery and air powered torque multipliers; torque wrenches; torque testers; torque calibration equipment. ISO17025 NVLAP-accredited torque calibration lab.

Codes: 09750, 09800, 47400, 73620, 84150, 86130

Nord-Lock Inc.

Clinton, PA | www.nord-lock.com

Julie Pereyra | 412/279-1149 | 877/799-1097
julie.pereyra@nord-lock.com

Stamps: ISO 9001, ISO 14001, DNV, ABS, DIBt, TUV

Codes: 26900, 47400, 86130

North Wind Group

Idaho Falls, ID | www.northwindgrp.com
 Brady Bigelow | 303/263-9201
 bbigelow@northwindgrp.com
 Andy Williams | 419/707-2135
 andy.williams@northwindgrp.com
Codes: 03800, 06790, 09750, 09800, 13850, 14000, 20350, 22410, 37130, 37200, 47400, 71190, 86300, 87000, 93040

NSL Analytical Services, Inc.

Cleveland, OH | www.nslanalytical.com
 Jeff Hartel | 216/438-5200 | 800/497-6752
 techsales@nslanalytical.com
 Rich Balamut | 315/877-4241 | 800/497-6752
 rbalamut@nslanalytical.com
Stamps: 10 CFR Part 21 reporting program, with compliance to applicable requirements from 10CFR50 App. B and ASME NQA-1. Certified test reports, in accordance with ASME section III NCA-3800. Audited by NIAC and NUPIC member customers. Chemical, Mechanical, Metallurgical testing. ISO/IEC 17025:2017 [ANAB] and Nadcap accredited, NQA-1 compliant.
Codes: 03800, 84600

NSSI/Recovery Services Inc.

Houston, TX | www.nssihouston.com
 Michelle Temple | 713/641-0391
 mtemple@nssienviromental.com
Codes: 09800, 14000, 14300, 20300, 20350, 25600, 37200, 41000, 67380, 68000, 68950, 77750, 77800, 84600, 86300, 87000, 87380, 87395, 87400, 93040

Nuclear Economics Consulting Group (NECG)

Alexandria, VA | www.nuclear-economics.com
 Edward Kee | 202/370-7713
 edk@nuclear-economics.com
Codes: 14000

Nuclear News Magazine

Downers Grove, IL | www.ans.org/nn
 Rick Michal | 708/579-8216
 nucnews@ans.org
 Jeff Mosses | 708/579-8225
 nucnews1@ans.org
Codes: 40700

Nuclear Shielding Supplies & Service

Tucson, AZ | www.nuclearshielding.com
 Cari Barros | 520/838-0961
 info@nuclearshielding.com
 Russell Pruett | 520/838-0951
 info@nuclearshielding.com
Codes: 13700, 14000, 14300, 36900, 55490, 66280, 77750, 77800*

NuclearConsultants.com

Ann Arbor, MI | www.nuclearconsultants.com
 Dale Lancaster | 814/574-1912
 dale@nuclearconsultants.com
Codes: 03200, 03800, 12800, 14000, 14300, 30040, 77750, 77800, 81680

NUCON International, Inc.

Columbus, OH | www.nucon-int.com
 Gabor Muzsi | 614/846-5710 x136 | 800/992-5192
 sales@nucon-int.com
 Eric Banks | 614/846-5710 x126 | 800/992-5192
 sales@nucon-int.com
Codes: 03000, 04000, 09800, 14000, 19450, 21310, 21400, 25000, 26100, 26230, 27180, 27450, 32250, 40900, 41000, 41700, 47400, 54750, 55040, 56600, 68000, 73550, 79370, 84150, 84600, 86300, 87380, 87400

Numerical Advisory Solutions, LLC

Cary, NC
 Bristol Hartlage | 919/653-7657 | 619/888-3439
 hartlage@numerical.com
Stamps: ASME NQA-1, 10CFR50 App. B
Codes: 03800, 12800, 13850, 14000, 19700, 20300, 25400, 40900, 67380, 71190, 75600*

NuSource LLC

Alexandria, VA | www.nusourcecellc.com
 Waylon Waters | 810/223-4483
 wwaters@nusourcecellc.com
Stamps: ASME N Stamp, ASME NPT Stamp
Codes: 03000, 03800, 08800, 14000, 14300, 26900, 27180, 27450, 27650, 37600, 41700, 53950, 60100, 66280, 83150, 90600, 90800, 91260, 91380, 92300*

NuVision-HWM

Pittsburgh, PA | www.nuvisionengineering.com
 Joe Dixon | 651/356-5605
 jdixon@nuvisioneng.com
Codes: 10780, 12800, 47400, 47600, 53950, 68000, 72300, 73300, 73620

O'Donnell Consulting Engineers, Inc.

Bethel Park, PA | www.odonnellconsulting.com
 Dr. William J. O'Donnell | 412/835-5007
 wo@odonnellconsulting.com
Codes: 03800, 14000, 40900, 84600

Off-Site Source Recovery Program (Los Alamos National Laboratory)

Los Alamos, NM | osrp.lanl.gov
 Justin Griffin | 505/606-0362 | 877/676-1749
 osrp@lanl.gov
Codes: 25600, 93040

Orano Decommissioning Services

Hudson, MA | <https://www.orano.group/en/expertise/range-of-services/dismantling-of-nuclear-facilities>
 Geoff Wilde | 980/229-2738
 geoff.wilde@orano.group
Codes: 20300, 68000, 87000, 93040

Orano Federal Services

Charlotte, NC | <https://www.orano.group/usa>
 Lynn Butler | 704/805-2845
 lynn.butler@orano.group
 Curtis Roberts | 301/841-1795
 curtis.roberts@orano.group
Codes: 09730, 13850, 14300, 20300, 36000, 68000*

Orano TN

Columbia, MD | <https://www.orano.group/usa/en/our-portfolio-expertise/used-fuel-management>
 Roger Maggi | 434/841-1859
 roger.maggi@orano.group
Codes: 14300, 20300, 68000, 81680, 81710, 87000, 93040

Orano USA

See advertisement on page 37
 Bethesda, MD | <https://www.orano.group/usa>
 Curtis Roberts | 202/374-8766
 curtis.roberts@orano.group
Codes: 09950, 14000, 14300, 20300, 20350, 30040, 36000, 39960, 68000, 68950, 79360, 81680, 81710, 86250, 87000, 93040

ORTEC

Oak Ridge, TN | www.ortec-online.com
 865/482-4411 | 800/251-9750
 ortec.info@ametec.com
Codes: 03200, 03800, 04000, 09750, 09800, 12800, 17950, 19700, 21270, 25000, 25250, 26080, 26230, 37130, 55040, 55060, 58000, 63400, 64750, 74150, 75850, 77800, 86300

OTEK Corp.

Tucson, AZ | www.otekcorp.com
 Dr. Otto Fest | 520/748-7900
 sales@otekcorp.com
Stamps: Class 1E/Appendix B & MIL-Spec Manufacturer
Codes: 17950, 25000, 40050, 53950, 54750, 84150*

Overhoff Technology Corp. (A Div. of US Nuclear Corp.)

Milford, OH | www.overhoff.com
 Dell Williamson | 513/248-2400
 sales@overhoff.com
 Ian Embry | 818/883-7043
 ian@overhoff.com
Codes: 03200, 17950, 21270, 26080, 55040*

Pacific Development Services Inc.

Carson City, NV | pdsgrp.com
 John Ritchie | +356-99900374
 ritchie@pdsgrp.com
Codes: 14000, 14300

PacTec, Inc.

See advertisement on page 110
 Clinton, LA | www.pactecinc.com
 Bill Smart | 225/522-8157 | 800/272-2832
 billsmart@pactecinc.com
 Chase Chabaud | 225/522-8216 | 877/554-2541
 chasechabaud@pactecinc.com
Stamps: ISO 9001:2015
Codes: 09950, 14300, 22410, 27450, 37130, 37160, 68000, 77800, 79360*

Pajarito Scientific Corp.

Santa Fe, NM | www.pajaritoscientific.com
 Michael Pitts | 505/603-7332
 mpitts@pscnda.com
Stamps: Certification to ISO 9001-2015. NQA-1 Compliant.

Codes: 00400, 03000, 03200, 03800, 09800, 12800, 14000, 17950, 20300, 21400, 25350, 26080, 26100, 26230, 27180, 27450, 30040, 32250, 36000, 40900, 41000, 47400, 55040, 56600, 67380, 68000, 74150, 77750, 77800, 84600, 86300, 93040*

PAR Systems, LLC

Saint Paul, MN | www.par.com
 Rob Owen | 651/528-5226 | 800/464-1320
 rowen@par.com
 Tracy Sherk | 651/484-7261
 tsherk@par.com
Stamps: ISO 9001:2008; AS9001-2009 Revision C; NQA-1; GMP1; NOG-1; CMAA; ASME; NRSC
Codes: 03800, 08800, 10780, 12800, 14000, 18590, 18600, 20300, 20350, 20700, 27180, 30500, 39650, 40900, 47400, 47600, 53950, 56600, 66280, 68000, 72300, 73300, 73620, 79360, 81710, 84150, 86130, 93040, 93900

Par-Kut International, Inc.

Harrison Twp., MI | www.guard-booth.net
 Tom Duemling | 586/468-2947 | 800/394-6599
 sales@parkut.com
 Larry Moore | 586/468-2947
 lmoore@parkut.com
Codes: 75700

Paragon Energy Solutions (Paragon)

See advertisement on page 1
 Fort Worth, TX | www.paragones.com
 John Portillo | 817/239-1693 | 817/284-0077
 jportillo@paragones.com
Stamps: ASME NQA-1, 10CFR50 App. B, N299.1, ASME Section III N, NR, NPT and NS stamps
Codes: 03000, 03180, 03200, 03800, 04000, 08800, 12800, 12900, 13400, 13600, 14000, 17950, 19450, 19700, 21270, 22200, 25000, 25400, 26240, 26900, 27450, 37600, 40050, 47400, 63400, 64700, 64750, 67380, 75190, 76400, 83150, 83210, 84600, 86300, 90250, 90600, 90800, 91000, 91260, 91380

Paragon Systems (Paragon Energy)

Herndon, VA | www.parasys.com
 Rebecca Thomas | 346/831-7589
 rebecca.thomas@parasys.com
 Ron Hickie | 860/501-0544
 ron.hickie@parasys.com
Codes: 75600, 75850

Paschal Solutions, Inc.

Knoxville, TN | www.paschalsolutions.com
 Tracey Henson | 270/705-9037
 thenson@paschalsolutions.com
 Brad Dunn | 865/300-5614
 bdunn@paschalsolutions.com
Codes: 03200, 03800, 14000, 20300

PAVE Technology Co.

Dayton, OH | www.pavetechnologyco.com
 Walter Wood | 937/890-1100 x103
 help@pavetechnologyco.com
Stamps: Certification by ISO 9001:2015. ASME NQA-1a-2009 CGD. L2 helium leak test trained.
Codes: 13400, 26910, 75190, 90100

Paxton & Vierling Steel

Carter Lake, IA | https://owenmetalsgroup.com/industrial-fabrication/
 Joseph Wishard | 712/347-5500
 jwishard@pvsteel.com
Stamps: NQA-1, ISO, AISC, AWS, RCSC, NACE, SSPC, AMPP
Codes: 03800, 10780, 11400, 12800, 13700, 14000, 26900, 40900, 56600, 77750*

PD Design Group, LLC

Lake Villa, IL | plantdecommissioning.com
 Russell Valin | 847/265-8800
 russ@plantdecommissioning.com
Codes: 20300, 26240, 47600, 53950, 79360, 86130, 96200

Perkins Motor Transport, Inc. (Perkins Specialized Transportation Contracting), (Perkins STC)

Becker, MN | www.perkinsstc.com
 Robb McGhie | 507/301-0726 | 877/737-5467
 rmcghie@perkinsstc.com
Stamps: Tier I US Department of Energy National Carrier Approved (MCEP)
Codes: 20300

Perma-Fix Environmental Services Inc. (Perma-Fix Northwest Richland) (Wholly Owned Sub. of Perma-Fix Environmental Services, Inc.)

Gainesville, FL | www.perma-fix.com
 Richard Grondin | 509/375-5160
 rgrondin@perma-fix.com
 Randy Self | 352/395-1368
 rself@perma-fix.com
Codes: 93040

Perma-Fix Environmental Services, Inc.

Oak Ridge, TN | www.perma-fix.com
 Brian Wood | 352/251-2071 | 800/905-0501
 bwood@perma-fix.com
 Jessie McDonough | 865/251-2088 | 800/905-0501
 jmcdonough@perma-fix.com
Codes: 09750, 09800, 13850, 14000, 17950, 20300, 20350, 20700, 26080, 26100, 26230, 37130, 37200, 40900, 41000, 44000, 47400, 67380, 68000, 68950, 84150, 93040

Perma-Type Rubber

Plainville, CT | www.permatyperubber.com
 Betsy Perry | 860/747-9999 | 800/243-4234
 reachus@emailptusa.com
Codes: 61570, 75190

Petersen Inc.

See advertisement on cover 2
 Ogden, UT | www.peterseninc.com
 Nick Despain | 801/732-2079 | 801/452-1897
 nick.despain@peterseninc.com
Stamps: Facilities in Utah and Idaho. ASME VIII Div. 1 U, U2, S, Stamp; National Board Inspection Code R Stamp; ASME NQA-1; NRC Subpart H of 10 CFR Part 71; ASME B31.1 and B31.3; API 1104; AWS D1.1, D1.2, D1.3, D1.6; ISO 9001-2018; AS9100D; AISC
Codes: 09730, 14300, 36000, 47400, 56600, 68000, 81680, 81710, 83150, 86130, 87000, 91000, 92300, 96200

PHDS Co.

Knoxville, TN | www.phdsco.com
 Ethan Hull | 865/481-3725
 ethanhull@phdsco.com
Codes: 17950, 20300, 21270, 26230, 37130, 37200, 40900, 41015, 55040, 68950, 93040

Pioneer Motor Bearing Co.

Kings Mountain, NC | www.pioneer1.com
 Dr. Lyle Branagan | 704/937-7000 | 888/813-9001
 engineering@pioneer1.com
Codes: 03800, 14000, 47400

Piping Technology & Products, Inc.

Houston, TX | www.pipingtech.com
 Melissa Lavergne | 713/731-0030 | 800/787-5914
 melissak@mail.pipingtech.com
Stamps: ASME U Stamp.
Codes: 19450, 37600, 47400, 60100, 75190, 92300

Plant Decommissioning

Lake Villa, IL | www.plantdecommissioning.com
 Russ Valin | 847/265-8800
 russ@plantdecommissioning.com
Codes: 14000, 14300, 25400, 39650, 93040

Plastacor, Inc.

Hingham, MA
 Jim Mitchell | 724/942-0582
 jem@plastacor.com
Codes: 11400, 37600, 47400

PMT Nuclear

Woodridge, IL | www.pmtnuclear.com
 Charles Wojcik | 630/887-7700 | 800/794-5033
 cwojck@ams-pmt.com
 Mike Marcuccilli | 630/470-7960
 mmarcuccilli@ams-pmt.com
Stamps: PP, R, U.
Codes: 03000, 03800, 13700, 13850, 14000,
 19450, 26900, 27180, 27450, 36000, 37600,
 40900, 41200, 47400, 59800, 59850, 60100,
 71500, 75190, 75700, 77750, 83150, 84600,
 86300, 86500, 90250, 92300, 93900

Power & Energy Systems Services

Oradell, NJ
 Komandur Sunder Raj | 201/638-4635
 powerengy@aol.com
Codes: 03800, 12800, 14000, 86300, 86500*

Power Services Group (Power Plant Services, Orbital Energy Services, Aircro, Turbine Generator Maintenance)

Cape Coral, FL | www.powerservicesgroup.com
 Mike Lake | 800/226-7557 | 800-MrTurbine
 inquiries@powerservicesgroup.com
Stamps: ISO 9001:2015, AS9100D Certified
Codes: 40900, 47400

Powerfect Service, Inc.

Brick, NJ | www.powerfect.com
 Mary Jane Luddy | 732/202-1178
 powerfect@verizon.net
 Eric Svensson | 732/202-1133
 eric@powerfect.com
Codes: 10780, 14000, 37600, 86300

Precision Custom Components, LLC

York, PA | www.pcc-york.com
 James C. Stouch | 717/434-1802
 jstouch@pcc-york.com
 Blair Woodring | 717/848-1126
 bwoodring@pcc-york.com
Stamps: ASME Sect. III (N, NS, NA, NPT Stamps);
 MIL-Q-9858 with QRC82
Codes: 03800, 09800, 10780, 14000, 14300,
 30500, 36000, 37600, 40900, 47400, 53950,
 56600, 66280, 81710, 83150, 92300, 93900

Preferred Engineering Corp. (Sub. of Preferred Utilities Mfg. Corp.)

Danbury, CT | www.preferredengineering.com
 Ivan Cabrera | 203/743-6741
 icabrera@preferred-mfg.com
Codes: 03800, 14000, 20350, 30500, 39650,
 47400, 53950, 61570, 72300, 75190, 77800, 86500,
 91260

Preferred Quality Services, Inc.

Jacksonville, FL
 Johnnie O. Poston | 904/451-8316
 joposton@bellsouth.net
Codes: 14000

Premier Technology, Inc.

Blackfoot, ID | www.ptius.com
 Heath Mann | 208/681-2534
 hmann@ptius.net
 Derek Moss | 208/851-0744
 dmoss@ptius.net
Stamps: ASME Section VIII, U, R, & S; ASME Section
 III, NA, NS, NPT; ASME NQA-1
Codes: 03800, 08800, 12800, 13700, 14000,
 14300, 27450, 36000, 37600, 45550, 47400,
 53950, 55490, 56600, 68000, 77750, 77800,
 79360, 81710, 83150, 92300, 93040, 93900, 95750

Presray Corp. (Div. of Pawling Corp.) (Critical Containment Solutions)

Wassaic, NY | www.presray.com
 Jason Smith | 845/373-6620
 jsmith@presray.com
 Kevin Harris | 845/373-6718
 kharris@presray.com
Codes: 75190, 75700*

Primm Consulting, LLC

Knoxville, TN | www.primmconsultingllc.com
 Trent Primm | 865/805-2130
 trentprimm@primmconsultingllc.com
Codes: 12800, 14000

Protean Instrument Corp.

Knoxville, TN | www.proteaninstrument.com
 Shawn Googins | 865/392-4600
 picinfo@proteaninstrument.com
 Greg Watson | 865/392-4600
 picinfo@proteaninstrument.com
Codes: 17950, 26080, 37130, 84150

PROTEM USA

Evergreen, CO | www.protemusa.com
 303/598-8468 | a.fournal@protemusa.com
Stamps: ISO 9001 V2015, CEFRI 667 E, EDF UTO
 85/114
Codes: 03800, 08800, 10780, 14000, 20300,
 22700, 40900, 47400, 53950, 59850, 86300, 93900

Proxtronic, Dosimetry LLC

Alexandria, VA | www.proxdose.com
 W. Guy Davis | 703/856-6116
 wgdavis@proxtronics.com
Codes: 12800, 14000, 20300, 37130, 37200, 71190,
 84600

PTP Spent Fuel Services, LLC

Grand Island, NY | www.ptpsfs.com
 Bill Schaab | 716/984-7566 | 866/699-5515
 ptp@ptpsfs.com
Codes: 14000, 14300, 18600, 20300, 20700,
 30040, 30500, 47400, 68000, 81680, 81710,
 87000, 93040*

QTRCO, Inc.

Tomball, TX | www.qtrco.com
 Shawn Hughes | 281/516-0277 | 888/228-8848
 shawnhughes@qtrco.com
Codes: 90250

R&G Laboratories, Inc.

Tampa, FL | www.randglabs.com
 Cheryl Huff | 813/643-3513 | 866/854-1177
 cheryl@randglabs.com
Stamps: 10CFR50 App. B QA/QC program, and ISO
 17025
Codes: 03800, 14300

RADeCO, Inc.

Plainfield, CT | www.radecoinc.com
 Brad Lovendale | 860/564-1220
 blovendale@radecoinc.com
Codes: 09750, 09800, 26080, 27450, 37130,
 37200, 58000, 64750, 72300, 73300, 74150,
 84150, 90100, 90800

Radiation Pros, LLC (dba Rad Pros)

Englewood, CO | www.radpros.com
 Kurt Rhea | 303/945-5381 | 720/771-0200
 kurt.rhea@radpros.com

Codes: 26100, 26230, 37200, 54750, 55060, 58000, 67380, 79360, 86300, 93040

Radiation Protection Systems (by Alpha Safety)

Groton, CT | www.radprosys.com
 Art Soma | 860/445-0334 x102 | 888/637-7779
 support@radprosys.com

Haley Stout Veroneau | 860/445-0334 x273 | 888/637-7779
 hstout@radprosys.com

Stamps: NRTL/CSA Certified HEPA Filtration Units, QAPP

Codes: 00400, 03000, 10780, 14000, 14300, 19450, 20300, 27180, 27450, 32250, 37130, 37200, 47400, 68000, 77750, 77800, 93040*

Radiation Safety & Control Services, Inc.

See advertisement on page 11

Seabrook, NH | www.radsafety.com
 Matt Darois | 603/778-2871 | 800/525-8339
 medarois@radsafety.com

Matthew Whetzel | 603/474-6733 | 800/525-8339
 mdwhetzel@radsafety.com

Codes: 03180, 03200, 03800, 04000, 09750, 09800, 10850, 12800, 14000, 14300, 17950, 20300, 21270, 22410, 25250, 25300, 25350, 25400, 26080, 26100, 26230, 27450, 37160, 37200, 40900, 41000, 44000, 47400, 47620, 53950, 55040, 55060, 67380, 68950, 75850, 84150, 84600, 86130, 86300, 86400, 93040

Radiological Solutions Inc.

Rockdale, IL | www.radiologicalsolutions.com
 Richard Kohlmann | 815/207-4300
 rkohlmann@radiologicalsolutions.com

Codes: 04000, 14000, 20350, 26080, 27180, 27450, 37200, 37600, 53950, 54750, 55040, 64750, 67380, 68000, 74150, 86300, 93040

Radium Inc.

Waynesboro, VA | www.radiuminc.com
 Cam Abernethy | 540/942-5734
 cabernethy@radiuminc.com

Codes: 10850, 10900, 11650, 12800, 14000, 14300, 25400, 26230, 36000, 37130, 45550, 47600, 72300, 73300, 73550, 73620, 75850, 77750, 77800, 83600, 92800

RadQual, LLC

Idaho Falls, ID | www.radqual.com
 Kevin Coltellaro
 kcoltellar@intisoid.com

Terri Snarr | 208/524-5300
 sales@radqual.com

Codes: 68950, 79700*

Radwaste Solutions Magazine

Downers Grove, IL | www.ans.org/rs
 Tim Gregoire | 414/530-2455
 editor@radwastesolutions.org
 Jeff Mosses | 708/579-8225 | 800/682-6397
 radwastemag@ans.org

Codes: 40700

Ray Termini & Associates LLC

Wheaton, IL
 Ray Termini | 630/818-5707
 raytermini79@gmail.com

Stamps: PMP, Project Management Professional

Codes: 14000

Red Wolf Associates

Cary, NC | www.redwolfassociates.com
 Joe Sinodis | 919/467-9686 x120
 joe.sinodis@redwolfassociates.com

Nathan Block | 919/467-9686 x110
 nathan.block@redwolfassociates.com

Codes: 03800, 12800, 14000, 20300, 37200, 77750, 86300

Reef Industries, Inc. (Griffolyn, Div. of Reef Industries, Inc.)

See advertisement on page 108

Houston, TX | www.reefindustries.com
 Ray Channell | 713/507-4251 | 800/231-6074
 rchannell@reefindustries.com

Stamps: Meets NFPA 701 Large Scale Test and Certified Incinerable.

Codes: 08800, 11400, 14300, 37130, 64300, 68000, 77800, 81710, 83210, 93040

Remote Ocean Systems (ROS)

San Diego, CA | www.rosys.com
 Ray Kaesbauer | 858/565-8500
 sales@rosys.com

Codes: 72300, 73300, 83600*

Remtech Inc.

The Villages, FL | www.remtechinc.com
 Tom Schreiber | 303/772-6825
 sales@remtechinc.com

Codes: 14000, 26080, 51730

ReNuke

Oak Ridge, TN | www.renuke.com
 Mark Kirshe | 410/991-7628
 mark@renuke.com

Codes: 14000, 17950, 20300, 25400, 37130, 37200, 55040, 55060, 67380, 74150, 86300, 93040

RETAQS, Inc.

Blue Bell, PA | www.retaqs.com
 Tom Tomlinson | 610/277-8991 x201
 tom@retaqs.com

Codes: 14000, 20300, 86300

Rexon Components, Inc.

Beachwood, OH | www.rexon.com
 Dr. M.R. Farukhi | 216/292-7373
 sales@rexon.com

Codes: 09750, 14000, 17950, 20350, 21270, 26230, 26240, 36000, 37130, 37160, 47400, 55040, 55060

Rich Industries Inc.

New Philadelphia, OH | www.richindustriesinc.com
 David Patterson | 330/447-3764 | 330/339-4113
 davepatterson@richindustriesinc.com

Codes: 10850, 10900, 14300, 36000, 37130, 37160, 40900, 47400, 64300, 68000, 77800, 78700, 79360, 83210

Right Brain Security

Oswego, IL | rbsecurity.com
 Roger Johnston | 630/551-0740
 rbsecurity@gmail.com

Stamps: CPP

Codes: 03800, 14000, 75600, 75850, 86300

River Technologies, LLC

Forest, VA | www.rivertechologies.biz
 Robert Kozma | 434/525-4734
 robert@rivertechologies.biz

Daniel Ferguson | 434/535-4734 | 434/907-2399
 daniel@rivertechologies.biz

Codes: 00400, 03000, 10780, 19450, 20350, 26230, 27450, 56600, 79370, 84150, 90100*

RKVST

Santa Clara, CA | www.rkvst.com
 Patrick Reilly | 408/667-8302
 patrick.reilly@rkvst.com

Cindy Vestergaard | 202/594-2165
 cind.vestergaard@rkvst.com

Codes: 12800, 19700

Robatel Technologies, LLC

Roanoke, VA | www.robateltech.com
 Jared Bower | 540/989-2878 | 855/819-1874
 info@robateltech.com

Stamps: NQA-1, 10 CFR Part 71

Codes: 14000, 14300, 20300, 36000, 47400, 47600, 55490, 68000, 72300, 77750, 77800, 79360, 81710, 83150

Roberts Engineering Services, Inc.

Stuart, FL
 C. L. Roberts | 772/528-1088
 res1977@bellsouth.net
 Paul Roberts | 772/260-9591
 res1977@bellsouth.net
Codes: 00400, 55490, 86130

Rohde & Schwarz USA, Inc.

Columbia, MD | <https://www.rohde-schwarz.com/qps>
 Jim Allen | 408/679-1329
 jim.allen@rsa.rohde-schwarz.com
Codes: 75600, 75850

Rosemount Nuclear Instruments, Inc.

Chanhassen, MN | www.emerson.com/rosemountnuclear
 Tanner Clink | 952/949-5200 | 800/999-9307
 rnii.info@emerson.com
Stamps: 10CFR50 Appendix B, 10CFR 21, ISO 9001-2015, NQA-1-1994, KTA 1401, CSA CAN3-Z299-1-85, IAEA 50-C-Q, IAEA GS-R-3
Codes: 25000

Rotating Equipment Repair

Sussex, WI | www.rerpump.com
 Katie Wilde | 262/844-2025
 katie.wilde@rerpump.com
Stamps: NPT, NR, NCA-3800 Material Organization, SHARP
Codes: 64700, 64750

Rousselet-Robatel

Pittsfield, MA | www.rr-centrifuge.com
 Greg Cybulski | 413/499-4818
 greg.cybulski@rr-centrifuge.com
Codes: 14300, 24170, 68000, 93040

RSO, Inc. (Radiation Service Organization)

Laurel, MD | www.rsoinc.com
 Wendy Caulk | 301/953-2482 | 888/723-5463
 wendyc@rsoinc.com
Codes: 09750, 09800, 14000, 14300, 17950, 20300, 20350, 26100, 37130, 37200, 55040, 55060, 74150, 83110, 83210, 86300, 87000, 93040

S.E. International, Inc.

Summertown, TN | www.seintl.com
 Beth Cramer | 931/964-3561 | 800/293-5759
 radiationinfo@seintl.com
Codes: 17950, 37130, 55040, 55060*

S&G Enterprises, Inc.

Germantown, WI | www.ramflat.com
 Mark J. Griffith | 262/251-8300 | 888/726-3528
 info@ramflat.com
Codes: 11680, 11700, 68000, 93040*

S&K Logistics Services

Byron, GA | <https://www.sklogisticservices.com/>
 Swaine Skeen | 970/210-4812
 jskeen@skls-llc.com
Codes: 14000, 20300, 25400, 93040

Sargent & Lundy

Chicago, IL | www.sargentlundy.com
 Thomas J. Behringer | 312/269-7218
 tbehringer@sargentlundy.com
Stamps: Sargent & Lundy's company-wide Quality Management Program is ISO 9001: 2015 certified. Sargent & Lundy's Nuclear Quality Assurance Program is maintained as a Topical Report that is approved by the U.S. Nuclear Regulatory Commission. It meets Appendix B and NQA-1 requirements and also conforms to the requirements of ASME NQA-1.
Codes: 03800, 12800, 13850, 14000, 20300, 26100, 37200, 40900, 47400, 56600, 67380, 71190, 75600, 77750, 84600, 86300, 86500

Schaefer Electronics, Inc.

Hopkinton, MA | www.schaeferpower.com
 Sue Mayrand | 508/435-6400
 smayrand@schaeferpower.com
Codes: 63400*

Schneider Electric Gutor Technology

Houston, TX | www.gutor.com
 Michael May | 865/230-3582
 michael.may@se.com
Stamps: 10CFR50 App. B, ASME NQA-1, ISO 9001:2008
Codes: 63400

Schulz Electric, Timken Power Systems

East Haven, CT | www.schulzelectric.com
 Matt Radulski | 203/859-7430 | 800/826-1425
 mattr@schulzelectric.com
Stamps: QA Program: 10CFR50 App. B, NQA 1-2008/2009a, successful audits to CSA Z299 requirements; certification to ISO 9001:2015.
Codes: 03800, 08800, 14000, 18600, 20350, 37200, 40900, 47400, 56600, 81680, 84150, 84600, 90250, 93900, 95900*

Schutte and Koerting

Trevese, PA | www.s-k.com
 Power Sales | 215/639-0900
 sales@s-k.com
Stamps: ASME Section VIII, ANSI B16.34 & B16.5, API 611 & 612, NEMA SM23/24
Codes: 64750, 90100, 90600, 90800, 91260, 91380

Seafab Metals Co. (Div. of The Doe Run Co.)

Casa Grande, AZ | www.seafab.com
 Joe Snodgrass | 520/732-1715 | 800/426-7082
 jsnodgrass@seafab.com
Codes: 14300, 59800, 77800

SecurMAR, LLC

Zionsville, IN | www.securmar.com
 Cindy C. Harts | 219/661-8964
 charts@securmar.com
 Kristin M. Harts | 219/661-8964
 kharts@securmar.com
Codes: 14000, 75700, 75850

Senior Flexonics Pathway

New Braunfels, TX | www.sfpathway.com
 Eric Davis | 830/629-8080 | 800/847-5746
 edavis@sfpathway.com
Stamps: NPT, Classes 1, 2, 3, MC & TP. ASME U Stamp. ASME N #N-2978. Div. 1 Class 1,2,3MC. Div. 3 Class TP, Repairs/Alterations. Certification Natl. Board R Stamp #4935.
Codes: 19450, 37600, 47400, 56600, 75190

Sentry Equipment Corp.

Oconomowoc, WI | www.sentry-equip.com
 Rich Gaffney | 262/567-7256
 sales@sentry-equip.com
Stamps: U, UM, ASME - Section VIII, Div. 1. ISO 9001:2015 certified
Codes: 04000, 12800, 14300, 37600, 54750, 74150, 74320

SERCO USA

Evergreen, CO | www.serco-tools.com
 Nadia Reicher | 303/955-4862
 contact@serco-tools.com
 Matthew Wheeler | 303/955-4862
 contact@protemusa.com
Stamps: EDF UTO 114, CEFRI E
Codes: 08800, 26230, 47400, 59850, 72300, 90280, 90320

SGS North America Inc.

Vallejo, CA | <https://www.sgs.com/en/services/oil-condition-monitoring-ocm>
 Linda Perry | 707/554-4611 | 800/645-5227
 linda.perry@sgs.com
Stamps: ISO 9001; ISO/IEC 17025; 10CFR50 Appendix B
Codes: 74150, 84600, 86300

J. L. Shepherd & Assoc.

San Fernando, CA | www.jlshepherd.com
 Mary Shepherd | 818/898-2361
 sales@jlshepherd.com
Stamps: Certification by USNRC-QA Program-10CFR71, Subpart H, ANSI/ASME NQA-1.
Codes: 09750, 14000, 14300, 37130, 68950, 77750, 77800, 84600, 93040

Shipsrock Consulting, LLC

Westport, MA
 Russell Mellor | 860/573-5521
 mellor.russ@gmail.com
Codes: 14000, 20300, 20700, 86300

Sidus Solutions LLC

San Diego, CA | www.sidus-solutions.com
 Leonard Pool | 619/275-5533 x306
 l.pool@sidus-solutions.com
 Patricia Barker | 1-206-376-9542 | 1-619-275-5533
 patricia_barker@sidus-solutions.com
Stamps: SDVOSB #: 222120 DVBE: 35907
Codes: 08800, 14000, 45550, 54750, 72300,
 73300, 75850, 83600, 92800, 93040

SIFCO Applied Surface Concepts

Independence, OH | www.sifcoasc.com
 Customer Service | 216/524-0099 | 800/765-4131
 info@sifcoasc.com
Codes: 11400, 17650, 47400

Sigma Inc.

Charlestown, IN | www.sigmappc.com
 Martin Wells | 812/256-5265 | 800/210-6907
 martin@sigmappc.com
Stamps: Certified Woman Business Enterprise,
 certified commercial dedication facility.
Codes: 47400, 54750, 84600, 90100, 90250,
 90600, 90800, 91000, 91260, 91380

Sigma Science, Inc.

Albuquerque, NM | www.sigmasci.com
 Robyn Bryant | 630/624-0438
 rbryant@sigmasci.com
Codes: 03800, 14000, 93040

SimGenics Simulation Systems LLC

Southlake, TX | <https://simgenics.com/>
 Francois Laubscher | 970/261-2070
 flaubscher@simgenics.com
Codes: 12800, 86300, 86500*

Simpson Gumpertz & Heger (SGH)

Chicago, IL | www.sgh.com
 Chris Hewitt | 312/754-7466
 cmhewitt@sgh.com
Stamps: ANSI/ASME NQA-1; 10CFR830 Subpart A;
 10CFR50 App. B; DOE O414.1C
Codes: 03800, 14000, 14300, 18590, 18600,
 20300, 20700, 26900, 30500, 36000, 36900,
 40900, 47400, 54750, 61570, 66280, 76400,
 77900, 84600

Skolnik Industries

Chicago, IL | www.skolnik.com
 Dean Ricker | 773/735-0700 | 800/441-8780
 dean@skolnik.com
Codes: 14300, 68000

Howard L. Sobel, P.E.

Oceanside, NY
 Howard L. Sobel | 516/713-6642
 hlsobel@aol.com
Codes: 03800, 12800, 14000, 37200, 40900,
 86300

Sonic Systems International, LLC

Houston, TX | www.sonicssystems.com
 Bruce Schlueter | 281/531-7611 | 800/417-3140
 bschlueter@sonicssystems.com
Codes: 14000, 20300, 25400, 30500, 40900,
 56600, 84600, 86300

Southwest Research Institute

San Antonio, TX | www.swri.org
 Business Inquiries | 210/522-2122
 ask@swri.org
Stamps: SNT-TC-1A, ISO-9001, ISO-17025, ISO-
 17020, NELAC, 10 CFR Part 50 App. B, 10 CFR Part 21,
 NQA-1, 10 CFR Part 71 Subpart H
Codes: 03800, 09800, 11400, 12800, 12900,
 14000, 19700, 25600, 37200, 40900, 56600,
 72300, 73620, 75600, 77750, 84150, 84600,
 86300, 86500, 93040

SSM Industries, Inc. (Nuclear Div.)

See advertisement on page 74
 Pittsburgh, PA | www.ssmi.biz
 Matt Gorman | 412/777-5101
 mgorman@ssmi.biz
Stamps: ASME R, S, U; ASME AG-1; ASME NQA-1
Codes: 03000, 03800, 13700, 19450, 27180,
 32250, 36000, 47400, 60100, 83150, 90250, 90800

Standish Technologies International

Export, PA | www.standtech.com
 Neil Passman | 786/664-6776
 neilp@standtech.com
 Barry Cooney | 724/553-8063
 barryc@standtech.com
Codes: 14000, 20300, 37200, 81680

Staplex - Air Sampler Div.

Brooklyn, NY | www.staplex.com
 Phil Reed | 718/768-3333 | 800/221-0822
 info@staplex.com
Codes: 55040, 74150*

Strategic Packaging Systems (I.C.E. Packaging Company, LLC)

See advertisement on page 128
 Madisonville, TN | www.sponline.biz
 Rebekah Moreland | 423/545-9505 | 877/859-4262
 r.moreland@sponline.biz
Codes: 14000, 14300, 20300, 20350, 25600,
 64300, 68000, 77750, 77800, 79360, 87000,
 93040

Studsvik Scandpower Inc.

Wilmington, NC | www.studsvik.com/ssp
 Art Wharton | 857/279-2248
 art.wharton@studsvik.com
 Phil Sharpe | 910/880-5669
 phil.sharpe@studsvik.com
Codes: 03800, 12800, 86300

Studsvik, Inc.

Sandy Springs, GA | https://www.studsvik.com/what-we-do/waste_mgmt_tech/nuclear-and-radioactive-waste-management/
 Bob Manseill | 678/748-6156
 bob.manseill@studsvik.com
Codes: 12800, 13850, 14000, 14300, 53950,
 87000, 93040

Success Staging International, LLC

Evans, GA | www.successtaging.com
 Gary Fitzpatrick | 706/250-4603 | 913/522-3680
 gary.fitzpatrick@successtaging.com
Codes: 12800, 13850, 14000, 86300, 86500

Sulzer Pumps (US) Inc.

Chattanooga, TN | www.sulzer.com
 Michael Staab | 630/383-6093 | 423/296-1919
 spusunuclearrrfq@sulzer.com
 Julie Thompson | 423/290-8511 | 423/296-1919
 julie.thompson@sulzer.com
Stamps: Certified and Compliant to US Nuclear
 Industry Regulations and Standards, NUPIC, NIAC,
 and ASME audited; ASME Section III, Class 1, 2, 3
 Design and manufacturing responsibility; ASME N
 certification mark N-2614; ASME NPT certification
 mark N-2615; 10CFR50 Appendix B Quality Program;
 10CFR21 compliant; ANSI N45.2, NQA-1
Codes: 64700, 75190

Super Radiator Coils

Chaska, MN | www.superradiatorcoils.com
 Brian Elliott | 952/466-7116 | 800/394-2645
 brian.elliott@superradiatorcoils.com
Stamps: ASME N, NPT & NS (Class 2 & 3); ASME U &
 UM; National Board R; ISO 9000:2015
Codes: 03000, 37600, 92300

Superconductivity Innovations

New Windsor, NY | superconductivityinnovations.com
 Edward F. Davis, P.E. | 845/567-6070 | 845/764-2373
 edwardfdavis@supconinn.com
Codes: 03800, 14000

Swagelok CompanySolon, OH | www.swagelok.comSwagelok Quality Assurance
swagelokqa@swagelok.com**Stamps:** ASME NPT Certificate for Class 1, 2, and 3 parts, and as a Material Organization manufacturing and supplying material such as fittings.**Codes:** 14000, 21400, 27450, 59800, 59850, 86300, 90250, 90600, 90800, 91260**System One**Pittsburgh, PA | www.systemone.comMark Fenske | 412/995-1912 | 877/505-SYS1(7971)
marketing@systemoneservices.com**Codes:** 14000, 25400, 40900, 56600, 84600, 86300**T&T Enterprises**Corona, CA | www.ttenterprises.comBrent Thalasinis | 951/340-0911
brent@ttenterprises.com**Stamps:** ASME QSC**Codes:** 26900**Taurus Telesys Inc.**Newport News, VA | www.tgate.comArvind D. Patel | 757/873-2700 | 888/40-tgate
tgate757@gmail.com**Codes:** 12800, 12900, 19700, 86300, 86500**Tech Products, Inc.**Staten Island, NY | www.techproducts.comDaniel D. O'Connor | 718/442-4900 | 800/221-1311
doconnor@techproducts.com**Codes:** 37130, 47630, 83110, 83120***Technical Associates (a Div. of US Nuclear Corp.)**Canoga Park, CA | www.tech-associates.comRobert Goldstein | 818/883-7043
rgoldsteinta@gmail.comSahil Buojwani | 562/565-4519
sahil@usnuclearcorp.com**Stamps:** ISO 9001, CE Mark**Codes:** 03800, 04000, 09800, 12800, 17950, 25250, 26080, 26230, 37130, 55040, 55060, 67380, 74150, 84150, 93040**Technical Management Services, Inc.**New Hartford, CT | www.tmscourses.comRobin Rivard | 860/738-2440
rrivard@tmscourses.com**Codes:** 37200, 86400, 86500**Technisonic Research Inc.**

Fairfield, CT

Tony Ruiz | 203/368-3600 | 800/854-7604
tonyr@technisonic.net**Codes:** 56600***Technology for Energy Corp.**Knoxville, TN | www.tecnuclear.comDonna J. Mullaly | 865/966-5856
donna.mullaly@tec-usa.com**Stamps:** ISO 9001:2015 Registered.**Codes:** 03200, 21270, 22200, 40050, 56600, 91260**Teledyne Brown Engineering, Inc.**

See advertisement on page 90

Huntsville, AL | www.tbe.comJessica Sanders | 256/726-1385
jessica.sanders@teledyne.com**Stamps:** ASME N, NPT, U, UM, NS, The National Board of Boilers and Pressure Vessel Inspectors R Certificate/Stamp.**Codes:** 03800, 04000, 08800, 12800, 13400, 14000, 14300, 20300, 26080, 26100, 26910, 32250, 36000, 37200, 37600, 47400, 54750, 59850, 66280, 73620, 74150, 84150, 84600, 92300, 93040***Teletrix**Pittsburgh, PA | www.teletrix.comMichael Podobnik | 412/798-3636
mikep@teletrix.com**Codes:** 86300**TerranearPMC, LLC**Exton, PA | www.terranearpmc.comDustin G. Miller | 314/240-0507
dmiller@terranearpmc.comKenneth T. Fillman | 610/862-5040
kfillman@terranearpmc.com**Codes:** 03800, 14000, 20300, 37200, 93040**Tetra Tech Inc.**Richland, WA | www.tetrattech.comJohn Gonsky | 509/539-5563
john.gonsky@tetrattech.comMatthew Neuman | 814/952-0393
matthew.neuman@tetrattech.com**Codes:** 03800, 06790, 13850, 14000, 20300, 20350, 26100, 37200, 40900, 44000, 75600, 75850, 77750, 81710, 86300, 93040**The Delphi Groupe, Inc.**Austin, TX | www.delphigroupe.comR. D. Gauny | 512/462-1181
rdgauny@delphigroupe.com**Codes:** 03800, 12800, 14000, 20300, 20350, 25400, 26100, 37200, 40900, 47400, 71190, 86300, 93040**The Merrick Group, Inc.**West Hazleton, PA | www.merrickgroupinc.comChristopher J. Speas | 602/885-3350
cspeas@mginc.net**Codes:** 47400, 56600**Thermal Engineering International (TEI)**Cerritos, CA | <https://www.babcockpower.com/tei/>Jennifer Pasquariello | 508/439-0146
jpasquariello@babcockpower.com**Codes:** 03800, 14000, 37600, 47400, 56600, 61570, 73620, 75190, 84600, 86300, 92300**Thermo Scientific - CIDTEC Cameras & Imagers (Part of Thermo Fisher Scientific)**

See advertisement on page 119

Liverpool, NY | www.thermofisher.com/cidtecTony Chapman | 315/451-9410 | 800/888-8761
sales.cidtec@thermofisher.com**Codes:** 21270, 39960, 40900, 73300, 75850, 83600, 92800***THERMOCOAX Inc.**Alpharetta, GA | www.thermocoax-nuclear.comGeorges Helleux | 678/947-5510
georges.helleux@thermocoax.com**Codes:** 00400, 08800, 17950, 21270, 54750, 55490, 84150, 95900**Theseus Professional Services, LLC**Baltimore, MD | www.theseuspro.comNorman P. Moreau | 410/596-2209
nmoreau@theseuspro.com**Codes:** 03800, 12800, 14000, 86500**Thinklogical, A Belden Brand**Milford, CT | <https://www.thinklogical.com/critical-infrastructure/#energy-utilities>Thinklogical Sales Department | 203/647-8700 |
800/291-3211info@thinklogical.com**Codes:** 12900, 13600***Timesoft**Long Beach, CA | www.timesoft.comMarisol Guzman | 562/253-3615
marisol.guzman@timesoft.com**Codes:** 03200, 12800, 12900, 13400, 14000, 19700**Tioga Pipe**Philadelphia, PA | www.tiogapipe.comRay Quenzer | 215/266-5752
rquenzer@tiogapipe.com**Stamps:** ASME QSC 467; Classes 1, 2, 3 MC. Certification to ISO 9001:2015, 10CFR50, App. B., NQA-1, MIL-I-45208A Level 1.**Codes:** 13700, 26900, 59800, 60100

TLG Services, LLC (sub. of Entergy Corp.)

Bridgewater, CT | www.tlgservices.com

Lori A. Glander | 860/355-2300
gländer@tlgservices.comLisa Renkowsky | 860/355-2300
renkowsky@tlgservices.com**Codes:** 03800, 14000, 20300, 37200, 86300**TMMC (Toxco Materials Management Center)**

Oak Ridge, TN | toxcommc.com

Alan Duff | 865/482-5532 | 865/207-5678
aduff@toxcommc.com**Codes:** 93040**Tranco Products Inc.**

Streator, IL | www.transcoproducts.com

Kevin Hawks | 312/896-8501
kevinh@transcoproducts.com**Codes:** 14000, 14300, 26230, 37130, 39960,
41200, 47400, 64750, 77750, 77800, 84600,
86300, 93040**TransWare Enterprises Inc.**

St. Louis, MO | www.transware.net

815/895-4700

Kathleen A Jones | 815/576-2228 | 815/762-7121
kathy.jones@transware.net**Codes:** 03800, 12800, 14000, 20300, 77750,
81680, 86300, 93040**Tri Nuclear Corp.**

Troy, NY | www.trinuclear.com

Rick Russell | 518/399-1389
rick@trinuclear.com**Codes:** 10780, 27180, 27450, 41700, 68000, 72300,
77800, 83150, 86300, 90100**Tri-State Motor Transit Co. (A Div. of Roadmaster Group), (A DASEKE Co.)**

Glendale, AZ | https://tristatesecured.com/

Leslie Martin | 417/621-2224 | 800/234-8768
leslie.martin@roadmastergroup.com**Codes:** 86250, 86260, 87000**Trillium Flow Technologies (Atwood & Morrill, Batley, Blakeborough, Hiller, Hopkinsons, Red Point, SARASIN-RSBD, SEBIM, Termomeccanica Pompe, Tricentric)**

Houston, TX | www.trilliumflow.com

Julia Henning | 978/825-2594 | 978/744-5690
julia.henning@trilliumflow.com**Stamps:** N, NPT, NV, ASME III, Class 1, 2, & 3;
Certification by ISO 9001.**Codes:** 84150, 90600, 90800, 91000, 91260, 91380**Tru-Motion Products, LLC**

Cheyenne, WY | www.trumotionproducts.com

Anthony Suneson | 704/982-9242
info@trumotionproducts.com**Codes:** 47600**Trust Manufacturing, LLC**

Euclid, OH | www.trustmfg.com

Sean Stapulionis | 216/531-8787
sean@trustmfg.comKen Marvar | 440/479-4708
kmarvar@trustmfg.com**Stamps:** ASME Quality System Certification QSC-594,
US NRC 10CFR50 App. B, ASME Section III NCA 3800/
NCA4000, ASME/ANSI N45.2 and NQA 1, US NRC
10CFR Part 21**Codes:** 13700, 14000, 26900, 60100, 61570**TSSD Services, Inc.**

Sidney, ME | tssdservices.com

Jennifer Wood | 877/965-8773 x2
jwood@tssdservices.com**Codes:** 14000, 20300, 25400**Turnkey Technical**

Oliver Springs, TN | ttsllc.org

Scot Green | 865/425-0671
sgreen@ttsllc.org**Codes:** 14300, 86250, 86260, 87000**TW Metals - Nuclear Materials Solutions**

Leetsdale, PA | www.twmetals.com

Al Valentine | 724/251-4700 | 800/924-2171
al.valentine@twmetals.com**Stamps:** ASME QSC-597**Codes:** 13700, 14300, 18600, 26900, 37600,
59800, 59850, 61570, 66280, 83150, 92300**Ultra Energy (Weed Instrument)**

Round Rock, TX | www.ultra.energy

Robert Carson (US) | 512/434-2800
robert.carson@ultra-nspi.comNeil Clarke (UK) | +44 0 7703 751850
neil.clarke@ultra-ncs.com**Codes:** 03800, 04000, 08800, 12800, 14000,
17950, 19700, 26970, 37130, 47400, 55040, 84150,
84600**Underwater Construction Corp. (Underwater Construction Corp. UK Ltd.)**

See advertisement on cover 4

Essex, CT | www.uccdive.com

Philip McDermott | 860/767-8256 | 800/USA-DIVE
pmcdermott@uccdive.com**Codes:** 20300, 22700, 40900, 47400, 47600,
56600, 66280, 72300, 90100, 92800, 93040,
93900***Underwater Engineering Services, Inc. (UESI)**

Fort Pierce, FL | www.uesi.com

Robert Walcheski | 772/337-3116 | 877/348-3837
rwalcheski@uesi.comAl Rogers | 772/337-3116 | 877/348-3837
arogers@uesi.com**Stamps:** ADCI Certified Commercial Divers, ANSI
N45.2.6 Certified Inspections, ASNT SNT-TC-1A, CP-
189; Certified NDE (ASME XI exams), ASME IX, XI, II
Certified Welding, Coatings and Corrosion Engineers.**Codes:** 00300, 03800, 10780, 11400, 13050,
13850, 14000, 20300, 20350, 22700, 27450,
40900, 47400, 47620, 56600, 79360, 83600,
84600, 86300, 92800, 93040, 93900**UniTech Services Group, Inc. (Div. of UniFirst Corp.)**

See advertisement on page 81

Longmeadow, MA | www.unitechus.com

Victor Crusselle | 413/543-6911 x118
vcrusselle@unitechus.com**Codes:** 10780, 10850, 10900, 14300, 20300,
20350, 25400, 26230, 37130, 37200, 55040,
55060, 68000, 73550, 74150, 86260, 93040,
95850***United Engineers & Constructors, Inc. (Sub. of Imperia Engineering Partners)**

Mount Laurel, NJ | www.ueci.com

Scott Reeder | 856/348-5427
scott.reeder@ueci.comArt Lembo | 609/865-9502
art.lembo@ueci.com**Codes:** 13850, 14000, 75600**US Nuclear Corp. (Technical Associates Sub.), (Overhoff Technology Corp. Sub.)**Canoga Park, CA | www.tech-associates.com and www.
overhoff.com and www.usnuclearcorp.comSahil Bhojwani | 562/565-4519
sahil@usnuclearcorp.com**Codes:** 03200, 04000, 09750, 09800, 17950,
21270, 21300, 26080, 37130, 37200, 39960, 55040,
55060, 67380, 74150***Utilities Service Alliance (USA)**

Overland Park, KS | www.usainc.org

Jim Kitchens | 913/905-9266
jkitchens@usainc.org**Codes:** 14000**UxC, LLC**

Roswell, GA | www.uxc.com

Eric Webb | 770/642-7745
eric.webb@uxc.com**Codes:** 03800, 12800, 14000, 40700, 81680,
81710, 86300*

Val-Matic Valve & Mfg. Corp.Elmhurst, IL | www.valmatic.com**Codes:** 90250, 90600, 91260***Valcor Engineering Corp. (Valcor Nuclear Div.)**Springfield, NJ | www.valcor.comThien Nguyen | 973/467-8400
nuclear@valcor.com**Stamps:** N, NPT, Classes 1, 2, 3. Certification by ANSI N45.2 App. B 10CFR50; ISO 9001; HAF 604.**Codes:** 47400, 84150, 90250, 90600, 90800, 91260**ValvTechnologies**Houston, TX | www.valv.comBen Jones | 205/725-9407
bjones@valv.com**Stamps:** ASME N Stamp Authorization for Class 1, 2 & 3 valves, NPT Stamp Authorization for nuclear grade parts, ANSI N45.2, 10CFR50 App. B, 10CFR Part 21 Acceptance, NQA-1**Codes:** 91380**VAT Group**San Jose, CA | www.vatvalve.comStacy Gerrity | 408/375-5567
sgerrity@vatvalve.com**Codes:** 12800, 87000, 90100, 90800, 91000, 91260, 91380***Veolia Nuclear Solutions - Federal Services**Piketon, OH | www.vnsfederalservices.comAmanda Gilmore | 740/443-7141
amanda.gilmore@vnsfs.comSean McGraw | 202/746-0260
sean.mcgraw@vnsfs.com**Codes:** 03000, 03800, 09800, 10780, 13850, 20300, 20350, 20700, 26100, 41700, 47600, 53950, 67380, 68000, 72300, 73620, 79360, 84600, 87380, 87400, 93040**Volian Enterprises, Inc.**Murrysville, PA | www.volian.comHarold V. Julian | 724/335-3744
volianenterprises@volian.com**Codes:** 03800, 12800, 14000, 41000, 86300, 86500**Vysus Group**Houston, TX | www.vysusgroup.comAnders Olsson | + 46 850 240 747
anders.olsson@vysusgroup.comVishal Lagad | 254/327-0700
vishal.lagad@vysusgroup.com**Codes:** 14000, 84600**Wagstaff Applied Technologies**

See advertisement on page 99

Spokane, WA | www.wagstaffat.comDan Payne | 509/321-3184
dan.payne@wagstaff.com**Stamps:** ASME U-Stamp, ASME NQA-1 2008 w/2009 addenda**Codes:** 14300, 20350, 36000, 37600, 53950, 60100, 66280, 68000, 72300, 77750, 77800, 79360, 81710, 83150, 87380, 92300, 93900**Waste Control Specialists LLC**Andrews, TX | www.wcstexas.comSteve Ferguson | 513/560-1744
sferguson@wcstexas.comDan Davis | 432/556-7357
ddavis@wcstexas.com**Codes:** 14300, 20300, 25600, 87000, 93040**Waste Control Systems, Inc.**Phoenix, MD | www.wastecontrol.comWilliam Fannon | 410/252-9360 | 877/252-9360
wpf@wastecontrol.com**Codes:** 11700, 14300, 68000**Weldstar**Aurora, IL | www.weldstar.comAlex Jackson | 630/849-2430
ajackson@weldstar.com**Stamps:** ASME Quality System Certificate 229, ISO 9001:2015 C2020-00612**Codes:** 10850, 10900**Westinghouse Electric Co. LLC**Cranberry Township, PA | www.westinghousenuclear.comSharon Coffaro-Vernick | 724/406-4423
sharon.coffaro-vernick@westinghouse.com**Codes:** 00400, 03000, 03180, 03200, 03800, 08800, 09800, 10780, 11400, 11650, 12800, 13050, 13400, 13600, 13850, 14000, 14300, 17950, 18600, 20300, 20350, 22200, 22410, 25000, 25250, 25300, 25400, 25600, 26080, 26100, 26230, 26900, 26910, 26970, 27450, 30040, 30500, 32250, 37130, 37200, 37600, 40050, 40900, 41000, 41700, 47400, 54750, 55040, 55490, 56600, 59800, 63400, 64700, 64750, 66280, 67380, 68000, 72300, 73570, 74350, 75190, 75600, 75850, 76400, 77750, 79360, 81680, 81710, 84150, 84600, 86300, 86500, 90250, 90330, 90600, 90800, 91000, 91260, 91380, 92800, 93040, 93900***Westinghouse Electric Company LLC****(Westinghouse Parts Business)**

See advertisement on page 125

New Stanton, PA | www.westinghousenuclear.com/partsCraig S. Irish | 878/208-5464
craig.irish@westinghouse.comStacy Davis | 724/584-9825
davissa@westinghouse.com**Stamps:** ASME Section III Certificates: N, NA, NS and NPT Stamps**Codes:** 03000, 03200, 03800, 04000, 08800, 13400, 13600, 14000, 14300, 17950, 18590, 18600, 19450, 22430, 25000, 26240, 26900, 26910, 27450, 30500, 36000, 36900, 37600, 40050, 41015, 41200, 45550, 47400, 59800, 60100, 61570, 63400, 64700, 64750, 66280, 71500, 75190, 76400, 83150, 83210, 84600, 87380, 87395, 87400, 90250, 90600, 90800, 91000, 91260, 91380, 92300, 95900***Westlake Epoxy Inc., a Westlake Company**Stafford, TX | <https://www.westlakeepoxy.com>Product Information | 614/986-2484
epoxyservice@westlake.com**Stamps:** Certification by ISO 9000/ISO 9001**Codes:** 11400, 17650**Williams Industrial Services Group, LLC (Williams Specialty Services, LLC), (Williams Plant Services, LLC)**Tucker, GA | www.wisgrp.comRhonda Carter | 770/879-4418
rcarter@wisgrp.com**Stamps:** ASME R Certification - Repair Vessels & Heat Exchangers; ASME A Certification - Assembly of Power Boilers**Codes:** 06790, 11400, 13050, 13850, 14000, 20300, 20350, 20700, 25400, 47400, 47630, 59850, 75600, 83110**Winsted Corp. (Winsted Technical Interiors Div. of Winsted Corp.)**Minneapolis, MN | www.winsted.comBrent Leimer | 952/914-3885 | 800/447-2257
brentl@winsted.com**Codes:** 08800, 14000, 53950, 63400, 75700, 75850, 81680, 86500**WM Symposia**Tempe, AZ | www.wmsym.orgMaurya Palmer | 480/557-0263
mpalmer@wmarizona.org**Codes:** 86300

WMG, Inc.

See advertisement on cover 3
Peekskill, NY | www.wmginc.com
Jeff Nelson | 914/736-7100
jnelson@wmginc.com
Mark Trager | 914/736-7100
mtrager@wmginc.com

Stamps: Approved 10CFR50 App. B QA Program, including NQA-1, Part II, Subpart 2.7. NUPIC audited and approved.

Codes: 03800, 12800, 14000, 14300, 17950, 20300, 20350, 37200, 68000, 71190, 72300, 77750, 79360, 86300, 86500, 93040

Wood (Environment & Infrastructure Solutions), (Radiological Services & Engineering Group)

Grand Junction, CO | www.woodplc.com
Jeffrey Lively | 970/243-2861
jeffrey.lively@woodplc.com

Codes: 14000, 20300, 37200, 67380, 68000, 93040

WSC, Inc.

Frederick, MD | www.ws-corp.com
Oussama Ashy | 301/644-2544
ashyo@ws-corp.com

Majid Mirshah | 301/644-2505
mirshahm@ws-corp.com

Stamps: ISO 9001:2015; ISO 27001:2013

Codes: 86300

WTM Valves and Services - Hammel Dahl (Div. of Wright Technical Marketing)

Lewisburg, PA | www.wrighttechnical.com

Drew Wright | 570/522-8323
dwright@wrighttechnical.com

Codes: 14000, 90250, 90800, 91260

Part II—Companies located outside the United States**Austria****Andritz AG**

Graz | www.andritz.com
Martin Zehentner | +43 316 6902 2513
martin.zehentner@andritz.com

Stamps: N, NPT, NS; Certification by ISO 9001; ISO 9001/EN 29001.

Codes: 03800, 14000, 30500, 40900, 56600, 64700, 64750, 93040

Belgium**Nuclear-21**

Waasmunster | www.nuclear-21.net
Luc Van Den Durpel | +32 473865647
vdurpel@nuclear-21.net

Codes: 12800, 14000, 20300, 20350, 68950

Canada**Advanced Measurement & Analysis Group Inc.**

Oakville, Ontario | amag-inc.com
Danielle Denstedt | 905/607-6349
ddenstedt@amag-inc.com

Stamps: ISO 9001:2015, CSA N299.2

Codes: 40050, 84600

ATS Industrial Automation, Inc. Nuclear (Canada)

Cambridge, Ontario | <https://atsautomation.com/nuclear>

Paul McKenna | 519/574-5914
pmckenna@atsautomation.com

Stamps: ASME NQA-1; 10CFR50 App. B; 10CFR21 Program; CSA N285.0; CSA N286; CSA N299; CSA B51; ASME B31.1; ASME B31.3; ISO-9001:2015; ISO:13485:2016

Codes: 10780, 11700, 12800, 14000, 20300, 25600, 30040, 30500, 40900, 47400, 47600, 59850, 68000, 68950, 72300, 73300, 73620, 79360, 86130, 87380, 87400, 92800, 93040

Bot Engineering Ltd

Campbellville, Ontario | www.bot.engineering
905/876-4301 (CAN) | 716/304-7041 (US)
info@botcorp.com

Codes: 04000, 08800, 09750, 12900, 17950, 25000, 25250, 25300, 26080, 55040, 55060

Canoil Canada Ltd

Mississauga, Ontario | www.canoilcanadaltd.com
Allan Murray | 905/536-3154 | 855/520-2022
allan@canoilcanadaltd.com

Codes: 03800

Copperleaf Technologies Inc.

Vancouver, British Columbia | www.copperleaf.com
Laura Ryan | 604/639-9700 | 888/465-5323
lryan@copperleaf.com

Codes: 12800, 14000

DB2 Consulting Inc.

Baltimore, Ontario | www.db2consulting.ca
Doug Burton | 289/251-1105
doug@db2consulting.ca

Codes: 14000, 86300

E.S. Fox Limited

Niagara Falls, Ontario | www.esfox.com

Frank Peppers | 905/354-3700
frank.peppers@esfox.com

Anthony DeChellis | 905/354-3700
anthony.dechellis@esfox.com

Stamps: ASME; Section VIII Div. 1; Section 3 - Class 3; B31.1; B31.3; Z299 (2, 3, 4); ISO 9001:2015; 14001; 45001. ASME N, NPT, NA, NS, U, US, SS, PP Certifications. Privately owned.

Codes: 03000, 13850, 14000, 14300, 20300, 37600, 45550, 47400, 56600, 59800, 60100, 73570, 83150, 93900

Eddyfi Technologies

Quebec City, Quebec | www.eddyfi.com

418/780-1565 | info@eddyfi.com

Codes: 03800, 04000, 10780, 12800, 14000, 19700, 26080, 26230, 39960, 45550, 47600, 54750, 55040, 56600, 61570, 68000, 72300, 73300, 73620, 74150, 83600, 84150, 86130, 86300*

FuseRing Inc.

London, Ontario | <https://fusering.com/>

Paul Cheng | 519/709-2091
info@fusering.com

Paul Zegwaard | +49 0 160 72 65 527
pzegwaard@yahoo.com

Stamps: ASME IX, code case 2799

Codes: 14300, 47400, 59800, 81680, 81710, 93900

Hoskin Scientific

Oakville, Ontario | www.hoskin.ca

Brian Garner | 905/333-5510 | 800/665-5871
bgarner@hoskin.ca

Codes: 03200, 03800, 04000, 08800, 09750, 09800, 12800, 19700, 84150*

IMI Critical EngineeringBurlington, Ontario | www.imi-critical.com

Sorin Necula | 647/408-8076

sorin.necula@imi-critical.com

Bradley Michell | 416/300-4954

bradley.michell@imi-critical.com

Codes: 90250, 90800, 91000, 91260, 91380**Kanata Electronic Services Ltd.****Division of Shawcor Ltd.**Toronto, Ontario | www.kesl.com

Barbara Miller | 416/745-0688 | 888/371-5375

bmiller@kesl.com

Stamps: ISO9001:2015**Codes:** 08800, 13400, 40050, 41200**Kinectrics Inc.**Toronto, Ontario | www.kinectrics.com

Lori Mignone | 416/207-6000

info@kinectrics.com

Codes: 03800, 04000, 09750, 09800, 12800, 13400, 13850, 14000, 20300, 20350, 26100, 27450, 37200, 44000, 47400, 54750, 55040, 56600, 68000, 68950, 73620, 74320, 76400, 77750, 79370, 84600, 86130, 86300, 87000, 87380, 93040**L3Harris MAPPS Inc. (Power Systems and Simulation)**Montreal, Quebec | www.L3Harris.com

Michael Chatlani | 514/787-4999

michael.chatlani@l3harris.com

Stamps: Certifications: ISO 9001:2015, ISO 9001:2015, ISO 9001:2015, ISO 45001 2018, ISO/IEC 27001:2013, Tickit Plus, Cyber Essentials Plus**Codes:** 12800, 14000, 37200, 40900, 86300, 86400, 86500**MarShield Radiation Shielding (Div. of Marswell Metal Industries Ltd.)**Burlington, Ontario | www.marshield.com

Kevin Milne | 905/637-3862 | 800/381-5335

kmilne@marsmetal.com

Stamps: ISO9001:2015, CSA-N299.3:16 (Canadian Equivalent to NQA1)**Codes:** 03200, 03800, 06950, 10900, 14000, 14300, 25600, 30500, 37130, 47400, 53950, 55490, 59800, 77750, 77800, 79360, 95750***Morson International Inc. (Morson Canada)**Toronto, Ontario | www.morsoncanada.com

Eric Goodman | 905/399-3742

eric.goodman@morsoncanada.com

Neil Smith | 519/546-7735

neil.smith@morsoncanada.com

Codes: 14000, 25400**Niagara Energy Products (NEP)**Niagara Falls, Ontario | www.niagaraenergyproducts.com

Antony (Tony) Morris | 905/371-2500 x226

tonym@niagaraenergyproducts.com

Stamps: NQA-1 Compliant; Nuclear Fabrication & Welding (CSA N285.0/ASME Sec.III); Commercial Fabrication & Welding (CSA B51/W47.1/W59/ASME Sec.I/VIII/B31.1/B31.3); Quality Management System (CSA Z299.1/N299.1); Quality Management System (ISO 9001); Concrete Testing Laboratory (CSA A283 Cat.0)**Codes:** 14300, 77800**Patriot Forge Co.**Brantford, Ontario | <https://www.patriotforge.com/>

Terry Rocha | 519/758-8100 | 877/495-9542

terryr@patriotforge.com

Robert Dimitrieff | 1-877-495-9542

robertd@patriotforge.com

Codes: 39960**Power Generation Integrated Consulting Limited (PGICL)**Etobicoke, Ontario | <https://www.linkedin.com/in/vinodchugh/>

Vinod Chugh | 647/575-9349

vinod.chugh@pgicl.ca

Stamps: P. Eng. (Canada)**Codes:** 14000**Pylon Electronics Inc. (Instrument Manufacturing Div.)**Ottawa, Ontario | www.pylonelectronics-radon.com

Lise Leveille | 613/226-7920 | 800/896-4439

instrument@pylonelectronics.com

Codes: 03200, 17950, 21270, 55040, 68950, 74150, 76400**RadComm Systems**Oakville, Ontario | www.radcommsystems.com

Andrew Haber | 905/829-8290 | 800/588-5229

ahaber@radcommsystems.com

Codes: 03200, 17950, 25250, 55040, 55060**REEL COH Inc.**Boisbriand, Quebec | www.reel-coh.com

Dominic Jolicoeur | 450/430-6500 | 800/363-6501

djolicoeur@reelcoh.com

Stamps: ISO9001:2015, CMAA, AWS, CWB**Codes:** 03800, 09950, 18590, 18600, 30500, 40900, 47400**Sulzer Management Ltd. (Sulzer Pumps (Canada) Inc.)**Burnaby, British Columbia | www.sulzer.com

Dimitrie Cepisca | 416/213-8800

dimitrie.cepisca@sulzer.com

Stamps: ASME Section III (Cl. 1, 2 & 3); ASME N & NPT certificate of authorization; CSA B51; CSA N285; MIL-Q-9858-A; NDT MPI/LPI/RT/UT; EN 13445; CSA Z299.1/2/3/4; Standard KTA 1401; IAEA 50-C-Q; AVS D 100/50; FRA/N/100/OL3; RCC-M; API 610, ISO 5199, ANSI/ASME B73.1; HAF 601 CL. 3; HAF 604 CL. 2 & 3**Codes:** 47400, 64700, 64750**Sylvan Automation Ltd.**Oakville, Ontario | www.sylvanautomation.com

Brooke Tinkess | 905/827-1900

btinkess@sylvanautomation.com

Codes: 13600**Tap Report**Toronto, Ontario | www.tapreport.io

Steve Buck | 416/702-9093 | 855/727-9388

stevebuck@tapreport.io

Codes: 12800, 40900, 67380, 71190**Thorburn Flex Inc.**Pointe-Claire, Quebec | www.thorburnflex.com

John Thorburn | 514/695-8710 | 800/363-6613

jthorburn@thorburnflex.com

Stamps: ISO 9001:2015, ASME Section VIII Div. 1, ASME B31.3, ASME B31.1, N285.0, CSA B51, CSA, CNCAN, CSA N299.3**Codes:** 26240, 47400***UCC Industries International Inc.**Pickering, Ontario | www.ucci.ca

Brent Hughes | 905/831-7724 | 800/308-1043

bhughes@ucci.ca

Codes: 13700, 26900**UKM Management Consulting**Brampton, Ontario | www.digitalization-obsolence.com

Ujjal Kumar Mondal | 647/295-3955

ujjal@rogers.com

Codes: 26240**Women in Nuclear Canada**Toronto, Ontario | www.womeninnuclear.com

Nzinga White | 416/915-3020 | 877/321-2131

canada@womeninnuclear.org

Codes: 14000, 25400

Czech Republic (The)

METOIL

Praha | www.metoil.com
 Igor Voinov | +420 774 136 322
 voinov@renecol.com
Codes: 00400, 14000, 68000, 79370, 86300

SKODA JS a.s.

Plzen, Bolevec | www.skoda-js.cz
 Miroslava Karnikova | +420 734 358 535
 info@skoda-js.cz
Stamps: Certification by ISO 9001, ISO 14001, ISO 45001, AD-Merkblatt HPO, CEFRI
Codes: 03800, 13850, 14300, 30500, 40900, 47400, 56600, 81710, 84600, 92300, 93900

Finland

Platom Oy

Mikkeli | www.platom.fi
 Miika Puukko | +358 44 5504303
 m.puukko@platom.fi
Codes: 03800, 14000, 30500

VTT Technical Research Centre of Finland

VTT | https://www.vttresearch.com/nuclear
 Erika Holt | +358 20 722 4567
 erika.holt@vtt.fi
 Matti Paljakka | +358 20 722 6423
 matti.paljakka@vtt.fi
Codes: 04000, 08800, 11400, 14300, 20300, 26100, 41000, 53950, 58000, 67380, 68000, 68950, 75600, 86300

France

CYCLIFE (Brand of EDF Group)

Puteaux | https://www.cyclife-edf.com/
 +33 668039322
 rosa.tome@cyclife-edf.fr
Codes: 10780, 12800, 12900, 14000, 14300, 18600, 20300, 20350, 20700, 22700, 86300, 92800, 93040

descote

Feyzin | www.descote.com
 Jean-Pierre Richer | +33 472 89 25 00
 info@descote.com
Stamps: ASME III; RCC-M; AREVA/ORANO Certification; NAQ-1; ISO 9001; QP complying to 10CFR50 app. B, 10CFR21; Regular customer audits; SIL 3 capable
Codes: 90250, 90800, 91260

EKIUM

Bron Cedex | www.ekium.eu
 Christophe Zaia | +33 0632231705
 christophe.zaia@ekium.eu
Stamps: ISO-CEFRI-QUALIFODRE-ISM ATEX-MASE-ASME-RCC-CCM-UTO
Codes: 13850, 14000

FEVDI Nuclear Decontamination

Corbas | www.fevdi-nuclear.com
 Thomas Xu | +33 627053026
 t.xu@fevdi-nuclear.com
Codes: 10780, 11400, 14000, 20350, 37160*

Geovariences

Avon | www.geovariences.com/en/
 Elodie Galloyer | +33 1 6074 9090
 galloyer@geovariences.com
Codes: 03800, 12800, 14000, 20350, 47620, 86300, 93040

NucAdvisor

Courbevoie | www.nucadvisor.com
 Bruno Blotas | +33 0 6 28 71 29 08
 bruno.blotas@nucadvisor.com
Codes: 14000

OECD Nuclear Energy Agency (NEA)

Paris | www.oecd-nea.org
 NEA Press Office | +33 1 45 24 10 10
 press@oecd-nea.org
Codes: 40700

TECHWAY

Villebon-sur-Yvette | www.techway.com
 Patrick Mechin | +33 1 64 53 37 90
 info@techway.com
Stamps: ISO 9001, AS 9100
Codes: 92800

THERMOCOAX SAS

Caligny | www.thermocoax-nuclear.com
Stamps: NQA-1, 10CFR50 Appendix B, NIAC, RCC-M & RCC-MrX, KTA, YVL
Codes: 00400, 03200, 08800, 17950, 21270, 40050, 54750, 55490, 84150, 95900

TRAD - RayXpert

Labège cedex | https://www.rayxpert.com
 Antoine Ghilardi | +33 5 61 00 73 81
 antoine.ghilardi@trad.fr
Codes: 12800, 14000, 53950, 77750

Germany

Bilfinger Noell GmbH (Dept. BEV)

Wuerzburg | www.noell.bilfinger.com
 Dilara Guenenc | +49 9319036214
 dilara.guenenc@bilfinger.com
 Alexander Vogel | +49 931 903 6368
 alexander.vogel@bilfinger.com
Stamps: Qualification according to EN ISO 9001:2000; Qualification according to ISO 14001:2004; Qualification according to KTA 1401 and AVS D 100/50
Codes: 03800, 11700, 14300, 18600, 20300, 20350, 30500, 36000, 47400, 47600, 66280, 68000, 72300, 73620, 77750, 79360, 81710, 83150, 86130, 93040, 95750*

ENVINET GmbH

Munich/Haar | www.envinet.com
 Wolfgang Rieck | +49 89 45 66 57 0
 info@envinet.com
Codes: 12800, 14000, 17950, 21270, 21310, 25250, 26080, 26100, 51730, 55040, 55060

GNS Gesellschaft fur Nuklear-Service mbH

Essen | www.gns.de
 +49 201 109 0 | info@gns.de
Stamps: ASME N3, ISO 9001, ISO 14001, OHSAS 18001, KTA 1401
Codes: 10780, 12800, 14300, 20300, 20350, 22410, 22700, 68000, 79360, 81710, 87000, 93040

H. Butting GmbH & Co. KG

Wittingen-Knesebeck | www.butting.com
 Felix Kuehn | +49 5834 50 7365
 felix.kuehn@butting.de
 Joerg Pollmann | +49 5834 50 486
 joerg.pollmann@butting.de
Stamps: EN ISO 9001, ASME U-Stamp, AD 2000 W0/HPO, EN ISO 3834, KTA 1401/AVS D 100/50, KTA 3211.1/KTA 3211.3/KTA 1408.3, NADCAP AC7110 Welding - EN ISO 19443 in preparation
Codes: 14300, 59800, 66280, 83150*

Heinrich Jungeblodt GmbH & Co KG

Warstein | www.jungeblodt.de
 Christoph Helle | +49 2902890121
 c.helle@jungeblodt.de
Stamps: Approved manufacturer; ASME sub-certified by customers
Codes: 26900

Germany

Mirion Technologies (MGPI H&B) GmbH (Mirion Technologies)

Munich | www.mirion.com

Ewald Liebhart | +49 8951513114
eliebhart@mirion.com

Markus Knapp | +49 8951513112
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Stamps: ISO 9001, ISO 19443, 10 CFR 50 App. B, ASME NQA-1, KTA 1401

Codes: 03200, 08800, 14000, 17950, 21270, 21310, 55040, 74150, 84600, 93040*

Siempelkamp NIS

Alzenau | www.siempelkamp-nis.com

John Ferrara | 610/906-2997

john.ferrara@siempelkamp-nis.com

Stamps: Quality management according to DIN EN ISO 9001:2015; Quality assurance according to KTA 1401; Occupational safety and health management system - ISO 45001; Security-Safety-Management SeSaM; Authorization to work in third-party plants or facilities; (StrlschV) (German)

Codes: 14000, 14300, 20300, 20700, 27450, 53950, 68000, 72300, 79360, 83600, 86130, 86300, 86500, 93040*

vgbe energy service GmbH

Essen | www.vgbe.services

Christopher Weßelmann | +49 201 8128 370
christopher.wesselmann@vgbe.energy

Codes: 03800, 14000, 86300*

Walischmiller Engineering GmbH

Markdorf, Baden-Württemberg | www.hwm.com

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jean-michel.wagner@hwm.com

Stamps: ISO 9001, ISO 14001, ISO 45001, KTA 1401, ATEX, DIN 18800-7, ISO 3834-2

Codes: 10780, 12800, 47600, 68000, 72300, 73620

India

EmmEn Marketing Consultants

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emmenmktgcons@usa.net

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Italy

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Stamps: ISO 9001:2015; EN ISO/IEC 17025:2017 (Testing and Calibration Laboratories); 10CFR50 App. B; 10CFR21; ASME NQA-1-2008 with NQA-1a-2009 Addenda

Codes: 03800, 09800, 14000, 47400, 53950, 84600

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Stamps: ASME N, N3, NPT, U, U2, S

Codes: 14300, 37600, 92300*

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UniTech Services Group Europe (Sub. of UniTech Services Group USA)

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Stamps: N, NPT, S, U, U2, AD-MERKBLATT HPO; ASME Code for Nuclear Vessels, Classes 1, 2 & 3; N, NPT, NA, N3, Certification by ISO 9000, ISO 14001, ISO 3834, EN 17025, OHSAS 18001, ENAC, CEFRI, TUV, IQNET and AENOR, Lloyd's Register LRQA

Codes: 03800, 14300, 66280, 68000, 81710, 83150, 93040

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Stamps: ISO 9001, UNE 73401, 10CFR50 App. B, KTA 1401, ASME NQA-1, ISO 19443

Codes: 12800, 14000, 37200, 84600, 86300*

Sweden

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ISEC Monitoring Systems AB

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Stamps: ISO 9001 and 14001 Certifications

Codes: 26230, 39960, 40900, 47400, 54750, 83600, 92800

Switzerland

Dynatom International GmbH

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Syscom Instruments S.A.

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Codes: 03200, 03800, 40050, 54750, 76400

Ukraine

Radics LLC

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Stamps: QAP complies to requirements NQA-1-1994, NQA-1-2008, NQA-1a-2009, RG128 Rev. 4 Quality Austria GmbH (Certificate Registr. No. 18187/0), issued 15.09/16

Codes: 14000, 19700, 76400

United Kingdom

ATS Industrial Automation, Inc. - Nuclear (UK)

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 Narinder Bains | 647/328-6848
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Stamps: Certifications for Cambridge, Canada facilities: ASME NQA-1; 10CFR50 App. B; 10CFR21 Program; CSA N285.0; CSA N286; CSA N299; CSA B51; ASME B31.1; ASME B31.3; ISO-9001:2015; ISO:13485:2016

Codes: 10780, 11700, 12800, 14000, 20300, 25600, 30040, 30500, 40900, 47400, 47600, 59850, 68000, 68950, 72300, 73300, 73620, 79360, 86130, 87380, 87400, 92800, 93040

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Stamps: Certification by BS.EN.ISO 9001:2000; CSA-Z-299-2, KTA 1401; DEF STAN 05-91, BS EN ISO 14001:2004.

Codes: 03800, 08800, 09750, 09800, 13400, 14000, 17950, 20300, 21270, 21300, 21310, 21400, 25000, 26080, 26100, 37130, 41000, 41200, 41700, 59800, 59850, 73300, 75190, 83600, 95900

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Cross Manufacturing Company (1938) Ltd.

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Heatric Division of Meggitt (UK) Ltd.

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Nuclear Energy Components Ltd

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Stamps: ISO9001, ISO14001, F4N

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Business Developments

Georgia-based **NAC International** has announced the establishment of a Canadian subsidiary called **Niagara Energy Products Inc.** (NEP Inc.), which has acquired all the assets of **Niagara Energy Products** (NEP). Since the 1960s, Ontario-based NEP has provided nuclear containers and pressure boundary components for the energy, extractive, defense, and industrial markets.

The nonprofit organization **Deep Borehole Demonstration Center**, established by California-based **Deep Isolation**, has signed an MOU with **Norsk Kjernekraft** to collaborate on a project to demonstrate deep borehole waste disposal technology in Norway.

The board of directors of international technical services company **Jacobs** has approved a plan to split into two independent companies—**Critical Mission Solutions** (CMS) and **Jacobs**. CMS will provide technical consulting, applied science research, training, and other services to federal government agencies. The new **Jacobs** will focus on technology-enabled solutions in critical infrastructure and advanced manufacturing, combining consulting, planning, engineering, design, and program management capabilities.

Additionally, **Jacobs**, the **University of Manchester** in northwestern England, and the **United Kingdom Engineering and Physical Sciences Research Council's** Prosperity Partnerships program are together providing about \$11 million during the next five years to establish a **Centre for Robotic Autonomy in Demanding and Long-lasting Environments** (CRADLE). CRADLE will conduct research into advanced technologies related to nuclear decommissioning, energy generation, space exploration, infrastructure inspection and repair, and other areas. **Jacobs**, in terms of potential developments for nuclear power and decommissioning, noted that robust and reliable autonomous robotics are crucial for efficient asset management and operations.

Curtiss-Wright Corporation's Nuclear Division has expanded its presence in Canada with the opening of a new office in Newmarket, Ontario, to serve as the North Carolina-based company's primary nuclear-focused facility in Canada.

An agreement has been signed by the global engineering firm **Atkins**, of the SNC-Lavalin Group, and the bionic hand manufacturer **COVVI** to collaborate in the development of a highly dexterous robotic hand for use in nuclear environments. The companies will adapt a medically used

robotic hand developed by **COVVI** for nuclear purposes by attaching it to a robotic arm. The new variant of the **COVVI** hand will be integrated into **Atkins's** robotic solutions to replicate the dexterity of human hands, enabling nuclear plant operators to perform dangerous manipulations remotely, such as manipulations in glovebox operations to handle nuclear materials and waste.

DOE

The **Department of Energy** and Canada's **Nuclear Waste Management Organization** have signed a statement of intent to cooperate in the management of used nuclear fuel. According to the agreement, the two agencies will foster information sharing on consent-based waste siting processes, science and technology programs, engagement activities, and joint technical studies. The agencies also agreed to a program of personnel exchanges and visits for cross-organization learning.

The **Department of Energy** announced on August 14 a noncompetitive financial assistance cooperative agreement with **Southeast New Mexico College**, located in Carlsbad, N.M., for educational programs to enhance the knowledge, skills, and abilities of current Waste Isolation Pilot Plant employees while

also building and training WIPP's next-generation workforce. The total estimated value of the agreement is \$11,724,598, with a five-year period of performance from August 15, 2023, through August 14, 2028.

International

Nuclear Transport Solutions (NTS), of the United Kingdom's **Nuclear Decommissioning Authority**, is partnering with **Smart Green Shipping**, which specializes in renewable marine technology, on the retrofitting of sail technology for NTS's nuclear transport ships. Three of these ships, which are diesel-powered vehicles operated by NTS-owned **Pacific Nuclear Transport**, are used to transport high-level nuclear waste and other nuclear materials to countries around the world. The collaborative work will advance the development of FastRig retrofit sails and other technology that can reduce the fuel consumption and carbon dioxide emissions of commercial ships.

France's **Orano** and **Korea Hydro & Nuclear Power** have agreed to revisions of their 2017 MOU on the decommissioning of nuclear power plants and the management of spent nuclear fuel. Under the revisions, the companies will actively promote the dispatch of Korean decommissioning

experts to overseas nuclear sites, as well as the increased exchange of technical information and the training of personnel by invited professional lecturers.

Orano and Japan's **Federation of Electric Power Companies** (FEPC) have announced their collaboration on demonstration research and development for the reprocessing of used mixed oxide fuel. The FEPC, which represents 11 power companies, foresees at least 12 nuclear reactors in Japan as using MOX fuel by 2030 and notes that four Japanese reactors so far have been restarted using the fuel following the 2011 earthquake and tsunami.

Orano NPS, the nuclear logistics subsidiary of Orano, has signed a contract with the Japanese fuel maker **Mitsubishi Nuclear Fuel** to create a package-sharing service for better managing the transport of enriched uranium hexafluoride. The package-sharing service was set up based on use rather than individual ownership so that the Orano-made DN30 transport casks are available as requested for the packaging and transport of radioactive materials. Mitsubishi will have access to a fleet of DN30 casks of various sizes according to the company's needs.

The **Japan Atomic Energy Agency** has awarded a contract to

Cavendish Nuclear to provide specialist capabilities for supporting the decommissioning of the Monju prototype fast breeder reactor. The contract, supported by **International Nuclear Services Japan** and involving delivery partner **Jacobs**, covers the design, construction, operation, and eventual dismantling of a facility in the United Kingdom for the treatment and recycling of the sodium coolant from this shut-down Japanese reactor.

The Canadian **Nuclear Waste Management Organization** and the French radioactive waste management agency **Andra** have extended their cooperation agreement by five years. The extension focuses on the long-term management of spent nuclear fuel.

Atomic Energy of Canada Limited (AECL), **Canadian Nuclear Laboratories** (CNL), and the **Algonquins of Pikwakanagan First Nation** have reached a long-term agreement aimed at greater cooperation and engagement. A focal point of the agreement was the proposed location of a near-surface low-level radioactive waste disposal facility near CNL's Chalk River Laboratories, on unceded traditional Algonquin territory near the Ottawa River. ■

Dennis Carr was named the new president and chief executive officer of Savannah River Nuclear Solutions. Prior to his promotion, Carr served as an executive vice president at SRNS and headed up the company's National Nuclear Security Administration projects. He also previously served as site project director and president of Fluor-BWXT, Portsmouth. Carr succeeds **Stuart MacVean**, who retired in July.



Brian Hartman has been named the new project director for Bechtel's Department of Energy-contracted work at the Hanford Vit Plant in Washington state. Hartman took over as project director as the plant was preparing to begin treating radioactive waste for disposal. His tasks include leading the final commissioning of the plant's Low-Activity Waste Facility before it starts vitrifying waste from Hanford's under-



ground tanks, as well as overseeing the engineering, design, and purchasing for the High-Level Waste Facility. Hartman, who started his career at Bechtel with an internship in 1982, had most recently been serving as the corporate manager of engineering and technology and the project execution manager. He also managed collaborative engineering efforts among Bechtel, NASA, and subcontractors for the de-



sign of a new launch facility at Kennedy Space Center. Hartman succeeds **Valerie McCain**, who had led Bechtel's Hanford Site work from 2018 until her death this past March.

McCain



Sena



Williams



Bakken



Renjel

Four new members have been elected to both the board of directors and the executive committee of the Nuclear Energy Institute: **Peter Sena**, president of Southern Nuclear; **Katherine Williams**, chief executive officer of Framatome; **Chris Bakken**, executive vice president of infrastructure at Entergy; and **Louis Renjel**, executive vice president of external affairs and communication at Duke Energy. There are two additional new members of the NEI board of directors: **Rex Geveden**, president and CEO of BWX Technologies; and **Sumeet Singh**, chief operating officer and executive vice president of operations at Pacific Gas and Electric Company.



Geveden



Singh

The Sweden-based Studsvik Scand-power Group has appointed **Art Wharton** its business area president,



Wharton

a role he had been filling in an acting capacity since October 2022. In this position, he is responsible for the business's focus on fuel and materials technology, reactor analysis software, decommissioning and radiation protection services, and technical platforms regarding radioactive waste. Wharton has been with Studsvik since 2017, when he joined the company as a vice president. Before that, he worked in a series of positions

for Westinghouse Electric Company for about 11 years.

Ken Grumski has been appointed the president of the board of directors of NAC Philotechnics, a subsidiary of NAC International that focuses on health physics, radiological services, waste management, and decontamination/decommission-



Grumski

ing. Grumski serves as the president of NAC LPT, another NAC subsidiary that specializes in waste logistics, transportation, and technical services. He has worked in both the American and British radioactive waste markets, including for the U.K. Nuclear Decommissioning Authority and during plant outages for the Torness nuclear power plant in Scotland.

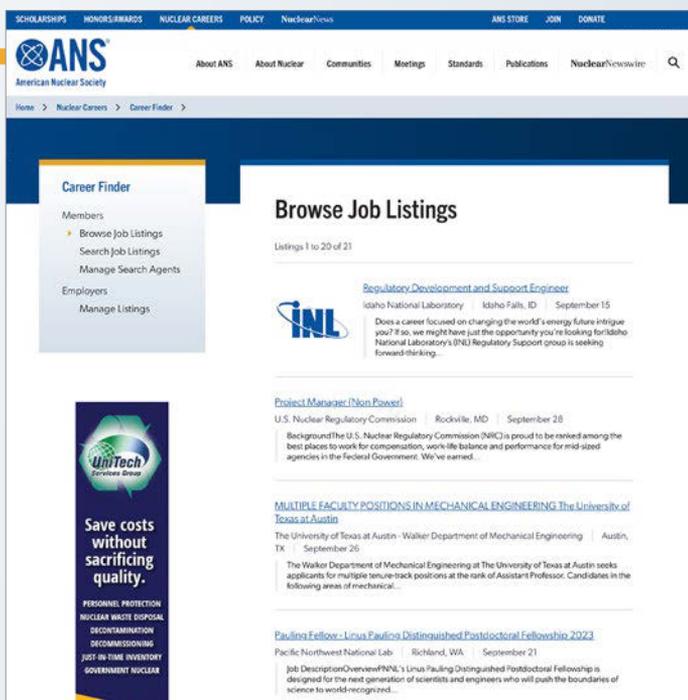
EnergySolutions has appointed **Steven E. Birchfield** chief financial officer, replacing **Greg Wood**, who has re-

tired from the company after serving as the company's CFO for the past 11 years. Birchfield spent the last nine years as executive vice president and CFO of Summit Utilities, a private natural gas distribution company. Prior to Summit, Birchfield held various finance leadership roles with Essential Power, Tennessee Valley Authority, and Progress Energy (now part of Duke Energy).

People continues

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Houston, Texas-based VLS Environmental Solutions has appointed **Kris**



Terrill

He was previously the CFO of FlexSteel Pipeline Technologies and the director of investments for Prime Natural Resources. Prior to those positions, Terrill was the CFO of Crescent Directional Drilling.

Terrill chief financial officer. Terrill has extensive experience in finance, accounting, mergers and acquisitions, capital markets, and investing.

He was previously

Longtime financial and technology ex-



Pena

ecutive **Raul Pena** has been named chief information officer for VLS Environmental Solutions. Pena joined VLS in May 2022 as vice president of information technology. Previously, he spent 10 years at engineering, procurement, and construction firm Saber Power Services, first as vice president of technology and then as chief financial officer. He also worked at Omni Data Services Group for 13 years.

cutive **Raul Pena** has been named chief information officer for VLS Environmental Solutions. Pena joined VLS in May 2022 as vice president of information technology.

Previously, he spent 10 years at

As part of a reorganization of its executive team, Holtec International announced that it has promoted **Kelly Trice**, who has led Holtec Decommissioning International since 2019 as its president, to the position of president,

Nuclear Generation and Decommissioning. The decommissioning business unit will continue to report to Trice, who will have the added responsibility to repower the Palisades plant in Michigan and launch the construction of the first wave of Holtec's SMR-160 small modular reactors in the United States.

Brent Ridge, the chief executive officer and president of Dairyland Power,



Ridge

an energy cooperative headquartered in La Crosse, Wis., has been appointed to a policy-advising task force with the Nuclear Energy Institute. The task force, consisting of several U.S. power company CEOs, is developing guidelines for NEI regarding used nuclear fuel. Before joining Dairyland in 2020, Ridge worked at Energy Northwest in Washington state, rising from construction and maintenance manager to chief financial officer and vice president of corporate services. He also previously was vice chairman of the Corporate Nuclear Safety Review Board for the Columbia nuclear power plant in Richland, Wash.

and president of Dairyland Power, an energy cooperative headquartered in La Crosse, Wis., has been appointed to a policy-advising task force with the Nuclear Energy Institute.

The task force, consisting of several

Malcolm Joyce, a professor of nuclear engineering at Lancaster University in England, has been appointed to the Committee on Radioactive Waste Management, which provides independent scrutiny and advice to the British government regarding the long-term management of radioactive waste. Joyce



Joyce

holds a personal chair in nuclear engineering at Lancaster University and is the cross-faculty associate dean for research. He previously served as associate dean for research in Lancaster's Faculty of Science and Technology and as head of the Department of Engineering.

The new chief financial officer of the



Osborne

Nuclear Regulatory Commission is **Howard K. Osborne**. At the time of his selection, Osborne was an associate partner with IBM's Business Transformation Services, Federal Enterprise Strategy Practice. Prior to that, he was the associate CFO at the Environmental Protection Agency. Before joining the EPA, he was the comptroller and director of financing operations at the Bureau of the Fiscal Service in the Department of the Treasury.

holds a personal chair in nuclear engineering at Lancaster University and is the cross-faculty associate dean for research. He previously

served as associate dean for research in Lancaster's Faculty of Science and Technology and as head of the Department of Engineering.

Nuclear Regulatory Commission is **Howard K.**

Osborne. At the time of his selection, Osborne was an associate partner with IBM's Business Transfor-

mation Services, Federal Enterprise Strategy Practice. Prior to that, he was the associate CFO at the Environmental Protection Agency. Before joining the EPA, he was the comptroller and director of financing operations at the Bureau of the Fiscal Service in the Department of the Treasury.

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Highlights of the state of supply chains for existing and advanced reactors.

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From university nuclear engineering programs, to K-12 education, professional development, and more, education is the future.

OCTOBER

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Coverage of a perennially relevant topic, coinciding with the fall outage season.

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Waste Management

Articles on the safe and secure treatment, storage, and disposal of solid and liquid wastes from nuclear operations.

DECEMBER

40 under 40

A look at the top young scientists, engineers, plant workers, government officials, suppliers, and others who make up the nuclear community.

Radwaste Solutions

SPRING

Waste Management and Transportation

Examining the safe management, storage, and treatment of all levels of radioactive waste, along with issues related to shipping nuclear materials.

FALL

D&D and Environmental Remediation | 20th Annual Buyers Guide

The latest in the decontamination and decommissioning of nuclear facilities and the environmental cleanup of legacy waste and contaminated sites.



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October

Oct. 3–5—**ETEBA Business Opportunities and Technical Conference (BOTC 2023)**, Knoxville, Tenn. eteba.org/botc/

Oct. 3–6—**International Conference on Environmental Remediation and Radioactive Waste Management (ICEM 2023)**, Stuttgart, Germany. event.asme.org/ICEM

Oct. 15–18—**2023 Women in Nuclear Canada Annual Conference**, Niagara Falls, Ontario, Canada. womeninnuclear.com/news-events/events/2022-women-in-nuclear-conference/

Oct. 31—**Nuclear Security Conference 2023**, London, U.K. nuclearinst.com/events/nuclear-security-conference-2023/

November

Nov. 6–10—**International Conference on the Safety of Radioactive Waste Management, Decommissioning, Environmental Protection, and Remediation: Ensuring Safety and Enabling Sustainability**, Vienna, Austria. iaea.org/events/icwedr2023

Nov. 11—**Young Professionals Congress**, Washington, D.C. ans.org/meetings/ypc2023/

Nov. 12–15—**2023 ANS Winter Meeting and Technology Expo**, Washington, D.C. ans.org/meetings/wm2023/

Nov. 12–15—**Advances in Nuclear Nonproliferation Technology and Policy Conference (ANTPC 2023)**, Washington, D.C. ans.org/meetings/antpc2023/

Nov. 28–30—**WNE 2023: 4th World Nuclear Exhibition**, Paris, France. world-nuclear-exhibition.com/en-gb.html

December

Dec. 4–5—**8th European Nuclear Industry Congress 2023**, London, U.K. szwgroup.com/nuclear-industry-congress-uk/

Dec. 10–14—**Materials in Nuclear Energy Systems (MiNES 2023)**, New Orleans, La. ans.org/meetings/mines2023/

January 2024

Jan. 23–25—**21st Annual USA Member & Supplier Partner Winter Conference**, Charleston, S.C. usainc.org/winter-conference/

Jan. 23–25—**PowerGen International**, New Orleans, La. powergen.com/welcome

March

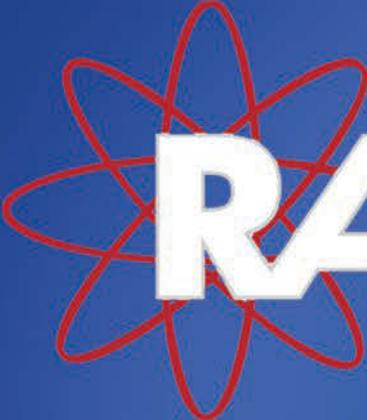
Mar. 10–14—**WM Symposia 2024**, Phoenix, Ariz. wmsym.org/

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Conference and Expo



RADMAN™

Shipping Command Center

Our groundbreaking new service that combines all the experience, expertise, and capabilities that you have relied on for over 30 years into a single comprehensive solution.



16 Bank Street | Peekskill, NY 10566 - 914-736-7100



 WMG Website

NUCLEAR DECOMMISSIONING

Deliver Significant Stakeholder Cost and Schedule Savings.

NUCLEAR DIVERS

- > Safe, Proven, and Repeatable
- > Regulator Endorsed
- > Reduced Overall Cost and Schedule
- > Reduced Overall Program Dose Uptake

NUCLEAR CUSTOMERS - SUCCESS & OUTCOMES

Spent Fuel Pool Furniture Removal, Liner Removal & Concrete Fixative Application

NUCLEAR DIVERS	VS	TOPSIDE & ROBOTICS
.9 Rem, Actual and 984 Labor Hours		8.7 Rem Estimated and 9300 Labor Hours

Spent Fuel Pool Equipment & Piping Removal & Packaging

NUCLEAR DIVERS	VS	TOPSIDE & ROBOTICS
Estimated 90% Exposure Reduction		20 Rem

Boiling Water Reactor Suppression Chamber Cleaning & Inspection

NUCLEAR DIVERS	VS	ROV
De-sludge and Inspection: 9 Days Radiation Exposure: 32mSv		De-sludge and Inspection: 43 Days Radiation Exposure 73mSv

Large Component, BWR Steam Dryer Volume Reduction & Packaging

NUCLEAR DIVING	VS	REMOTE TOOLING
Exposure 8 Rem		Actual Exposure: 16 Rem

Spent Fuel Pond Decommissioning Support for Draining

- > 75% Reduction in Dose, Extensive Overall Schedule and Cost Reduction compared to Remote/Dry
- > Spent Fuel Skip Volume Reduction and Packaging 3 per Shift Compared to 1 per week

Get better ROI with a Trusted Nuclear Dive Partner

GLOBAL CAPABILITIES AND REGIONAL OFFICES INCLUDING CUMBRIA, UK

UCCDIVE.COM



UNDERWATER
CONSTRUCTION CORPORATION

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