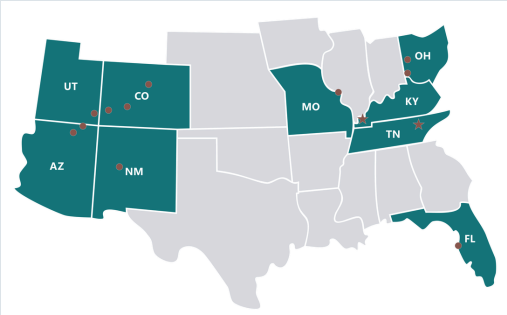
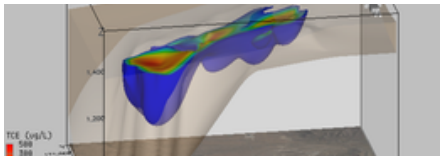
DRUMMOND CARPENTER

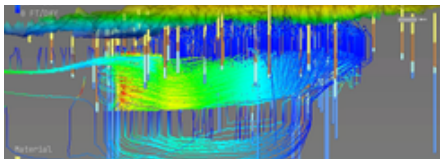
Nuclear Capabilities

Drummond Carpenter is a **service-disabled veteran-owned small business** comprising professional engineers, geologists, planners, scientists, and technical professionals dedicated to providing water, infrastructure, nuclear waste, environment, and data-related solutions. Since our founding in 2016, we have provided services on more than 20 task orders associated with **US Department of Energy** Environmental Management (EM) and Legacy Management (LM) sites. EM sites (star) and LM sites (circle) where we work are identified on the map below.











Performance Assessment and Composite Analysis for EM Disposal Facility (Oak Ridge, TN)

DC developed the technical modeling framework to evaluate long-term facility performance, support regulatory decision-making, and confirm protectiveness for human health and the environment. We simulated a range of performance scenarios, including sensitivity and probabilistic evaluations to identify key parameters affecting long-term performance. These efforts provided a technically defensible basis for assessing potential risks associated with waste disposal, contaminant migration, and future site conditions.

Hydrogeologic and Engineering Modeling (Multiple LM Sites)

DC conducts a range of site characterization, remediation, compliance, and long-term stewardship activities, with an emphasis on applying groundwater models to support technically defensible regulatory and remedial decisions. We integrate advanced numerical modeling, uncertainty analysis, data evaluation, and regulatory coordination at sites with complex hydrogeologic and contaminant conditions.

Geophysical Investigation at Uranium Disposal Site (Tuba City, AZ)

To facilitate safe and cost-effective future drilling activities and better constrain subsurface hydrologic properties, DC used geophysical methods to (1) identify the location of buried metallic materials within the disposal cell and (2) interpret the extent of saturated conditions within the disposal cell down to 90-foot depth. DC collected magnetic and electrical resistivity data during a five-day field investigation.

National Laboratory Cost-Benefit Analysis of Low-Level Radioactive Waste Disposition Alternatives (Oak Ridge, TN)

DC evaluated three viable alternatives for treatment, solidification, packaging, transportation, and final disposal of complex radioactive waste. Each scenario was analyzed for waste classification, secondary waste generation, treatment system requirements, off-site disposal constraints, transportation, and long-term operational implications. Our final deliverable was a practical planning tool for comparing treatment systems, facility modifications, secondary waste handling needs, and disposal approaches.

Nuclear Reactor Demolition Field Support (Piqua, OH)

DC supported construction-related activities, including determining material quantities, developing work plans, writing statements of work, preparing in-field red line documentation, conducting punch list walk through, and completing closeout documents.

FEDERAL AWARDS

2024. Department of Energy-United Cleanup Oak Ridge: Veteran Business of the Year

2021. NASA-Kennedy Space Center Small Business Industry Award: Mentor-Protege Agreement of the Year

NAICS CODES

541330. Engineering Services

541360. Geophysical Surveying and Mapping Services

541620. Environmental Consulting Services

541690. Other Scientific and Technical Consulting Services

541990. All Other Professional, Scientific and Technical Services

561990. All Other Support Services

562910. Remediation Services

SBA U.S. Small Business Administration
SERVICE-DISABLED VETERAN-OWNED CERTIFIED

Unique Entity ID (UEI). Q7HTKWBNTT43 **CAGE Code.** 7KQK4 **DUNS.** 080129842

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