Gilbane offers comprehensive radiological/nuclear facility decontamination and decommissioning (D&D), waste management, and environmental remediation services. These services include project planning, site characterization, technical consulting, site closure, radiological facility decommissioning, waste management, and radiological safety.

Gilbane has proven radiological safety and health programs. With radioactive material licenses from both the U.S. Nuclear Regulatory Commission (License #04-29353-01) and the State of California (License #7948-07), our trained and experienced personnel have safely, efficiently, and cost-effectively tackled radiological D&D and environmental remediation projects involving complex, high-risk radiological and nuclear facilities nationwide.

RADIOLOGICAL SURVEYS FOR DREDGE MATERIALS

Pier 12 Radiological Screening, Naval Base San Diego, CA. As part of the Navy’s Pier 12 replacement project, Gilbane performed the radiological screening of over 52,000 cubic yards of harbor sediment dredged and brought to land. Nearly 100 discrete radioactive objects were identified and removed prior to the upland (landfill) disposal of the dredge material. In addition, Gilbane worked with the Navy to develop a technical basis to allow dredged harbor sediment potentially containing discrete radioactive objects to be defined as de minimis and, therefore, suitable for ocean disposal under the London Convention and Protocol. The direct ocean disposal of dredged sediment reduced the volume of material to be radiologically screened by nearly 50%.

EQUIPMENT REMOVAL AND DISPOSAL UNDER RADIOLOGICAL CONTROLS

DOE-SLAC National Laboratory, CA. Removal of equipment from the 1 km long LINAC Accelerator tunnel completed one month ahead of a highly aggressive schedule. Due to lack of ventilation, only electric forklifts were used inside the tunnel. Custom girders (dolies) were fabricated and used to remove 40-foot-long sections of accelerator structures out of the narrow tunnel without the use of heavy equipment. Gilbane’s innovative approach increased the efficiency of the work flow and enhanced overall project safety. Field crews performed a portion of the scope under radiological controls and oversight. Radiological surveys were performed for every component removed from the radiologically-controlled areas.

REMOVAL ACTION AND RADIOLOGICAL SURVEYS

Parcel D-1, Hunters Points Shipyard, San Francisco, CA. Gilbane removed 5,400 linear feet of sanitary sewer/storm drain lines, radiologically surveyed 12,000 square feet of trench surface, and radiologically screened 4,800 cubic feet of excavated soil for re-use as backfill material. Over 1,500 soil samples were collected and analyzed to verify the as-left trench surfaces and excavated soil to be used as backfill met regulatory acceptability levels. The project included the disposal of 1,700 cubic yards of radiologically impacted railroad ties existing in various deteriorated states. Radiological survey and sampling were performed to release the railroad ties from radiological controls so they could be disposed as non-LLRW at a significant cost savings to the project.

SAFETY FIRST

95% of our projects had ZERO lost time injuries

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RADIOLOGICAL INVESTIGATION AND REMEDIATION SERVICES

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Gilbane provides a full slate of construction and facilities-related services from sustainable building to the latest in construction technology for clients across various markets. Founded in 1873, Gilbane is a privately held, family-owned company.

For further information, please contact Eric Banks, Vice President, Gilbane Environmental.
774-392-0227
ebanks@gilbaneco.com

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NAVAL STATION TREASURE ISLAND

› Radiological scanning with real time data collection.

RADIOLOGICAL INVESTIGATIONS AND ASSESSMENT

Naval Station Treasure Island, San Francisco, CA. Gilbane performed a radiological survey of the 93-acre Installation Restoration Site 12. Field crews collected position-correlated gamma spectral data over 93 acres, including common spaces, private fenced backyards, and paved roadways. Using the data, Gilbane constructed detailed contour maps showing the spatial variation of radionuclide concentrations across the surveyed area in an approach similar in concept to radiological aerial surveys, but with much higher resolution and precision. Due to the fact that it is an artificial island constructed using dredge spoils and other fill material, the radioactivity concentrations of native constituents vary across Treasure Island. This approach optimized subsequent investigation and sampling evolutions by focusing on radiation anomalies potentially caused by Navy legacy operations rather than on artifacts of the island’s radiological composition unrelated to Navy operations.

GLOBAL PRESENCE, LOCAL TIES

With more than 50 office locations around the world, we can provide services virtually anywhere while still offering the benefits of a community builder. Across the globe, our teams bring the same commitment to quality, safety, budget and schedule on every project.