

Engineering Services and Capabilities

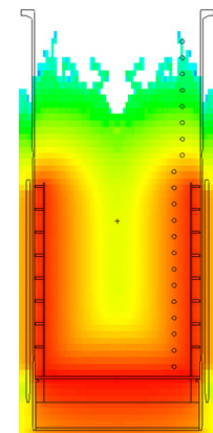
As nuclear power facilities age, their maintenance requirements become more extensive. These include replacing components, upgrading systems, and addressing non-routine maintenance tasks, all of which present unique radiological and waste management needs. Such activities amplify the demand for companies with expertise in radiological and design engineering, technical support services, and project management.

WMG has emerged as a reputable and field-proven provider of nuclear and radiological engineering services. Our reputation is founded on our ability to develop optimized solutions tailored to the diverse challenges and constraints faced by our clients. Our engineering support is rooted in a comprehensive understanding of and experience with regulatory requirements from the Nuclear Regulatory Commission and the Department of Transportation, as well as plant operations. By partnering closely with our clients, we devise solutions that precisely meet their operational and site-specific requirements.

We employ empirical measurements and factor in local operational controls to swiftly identify feasible and practical solutions. Through collaborative efforts with each client, we establish a robust radiological characterization foundation that identifies appropriate planning, operational, packaging, and disposal alternatives. Whether it involves designing a specification package, conducting a comprehensive program assessment, or managing a high-profile Spent Fuel Pool Project, WMG remains dedicated to addressing the myriad challenges our clients encounter in today's highly regulated environment.


Characterization and Classification


Effective radioactive waste management necessitates well-planned and systematic measures to ensure accurate and reliable outcomes. The initial step towards a successful waste management project is the accurate characterization, NRC Classification, and DOT Classification. At our company, we take pride in our position as the industry leader, offering dependable and defensible characterization and classification results to our clients.



Get in Touch with Us

Service | Innovation | Value | Integrity

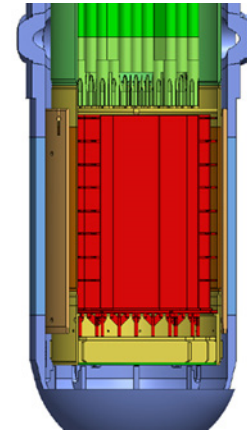
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Shielding Analysis

Our team possesses vast expertise in utilizing a wide range of industry-standard analysis programs, covering everything from simple Point-Kernel photon shielding programs to the intricate Monte Carlo Neutron-Particle Transport codes. What sets us apart is not just our familiarity with these tools, but also our deep understanding of which shielding analysis tool is most suitable for a given scenario. This invaluable experience allows us to make informed decisions and select the appropriate shielding analysis tool for each unique situation.



Waste Management Consulting

Benefitting from a combined staff experience exceeding 200 years in the nuclear industry, WMG effectively harnesses this vast knowledge to tackle the inherent waste management challenges. Our team consists of esteemed professionals from the Commercial Nuclear Field, adept at addressing a broad range of Radiological Engineering requirements. WMG's waste management consulting services encompass various critical areas, including Radiological Engineering, Segmentation Planning, Decommissioning Planning, Fuel Pool Management, and Dry Cask Storage Management.



Special Packaging


In the realm of non-routine waste management projects, prioritizing accurate characterization, classification, and shielding analysis is of paramount importance. By completing these crucial steps first, we can subsequently determine the appropriate packaging and/or liners for the waste. Our extensive portfolio showcases a multitude of successful projects where we have excelled in designing, fabricating, and delivering optimized packaging solutions for various waste forms, including those that are complex, routine, and non-routine in nature.

Experience Matters!

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