

SPILL RESPONSE, REMEDIATION & WASTE MANAGEMENT

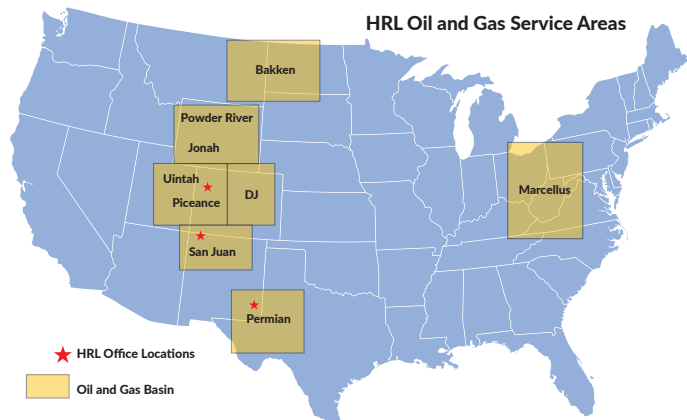


Spill Response

HRL Compliance Solutions, Inc. (HRL) provides qualified professional response teams to assess, mitigate, contain, and remediate spill incidents ranging from minor, non-reportable releases to large-scale, reportable discharges in sensitive areas, such as soil, surface water and groundwater. Our hazmat certified team is on-call and specializes in incidents that occur in the transportation, commercial, and oil and gas industries.

HRL provides oversight during all phases of containment and remediation actions. Additionally, HRL will assist or prepare all regulatory reporting to the proper local, state, and federal agencies. HRL can provide guidance during remediation of spills in regard to disposal requirements, such as treatment on site or at an approved disposal facility.

Since 2006, HRL has completed over 1,500 spill response calls across the nation. HRL has worked with oil & gas companies, contractors, commercial transporters, and local, state, and federal agencies.



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Remediation

HRL Compliance Solutions, Inc. (HRL) has developed proven remediation technology and best management practices (BMPs) for the complex remediation needs associated with hydrocarbon clean up in soil and water. The remediation division provides design, oversight, construction, application, and scientific expertise and services for the remediation of hydrocarbon impacted material to our clients to decrease costs and shorten timelines typically associated with clean-up activities. Our goal is to help clients address environmental concerns by bringing them into compliance with local, state, and federal regulations. Our expertise with permitting, spill response, waste management, and remediation design and maintenance facilitates corrective action and project closure in a timely and effective manner. We rely on scientifically proven and thoroughly researched biological remediation technologies. We only utilize well-tested and established chemical agents, microbial consortiums, and soil conditioners to target petroleum hydrocarbons in soil and groundwater. Whether the application is in-situ or ex-situ, HRL has the expertise, products, and BMPs to remediate soil and groundwater that has been impacted by petroleum hydrocarbons. Using variable bioremediation methods, such as land farming, bioventing, enhanced aerobic bioremediation, probiotic bioremediation, groundwater bioremediation, and biosparging, HRL



personnel have been able to successfully bioremediate the following pollutants and chemical constituents: crude oil, gas condensate, production water, frac sand, drill cuttings, motor oil, compressor engine oil, gasoline, diesel fuel, BTEX, pesticides, and Poly-Aromatic Hydrocarbons (PAH). HRL personnel have been reducing client operating costs by successfully completing bioremediation projects for the oil and gas industry since 2005.



HRL Remediation Processes

- Bioremediation
- Bioenhancement
- Air Stripping
- Air Sparging
- Dual Phase Extraction
- Soil Vapor Extraction
- Barometric Enhancement
- Chemical Oxidation
- Excavation and Disposal
- Solidification and Stabilization
- Pit Water Odor and Biological Control



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Waste Management

HRL Compliance Solutions, Inc. (HRL) has been managing waste programs and overseeing the proper treatment, storage, and disposal of various waste streams from the oil and gas industry since 1997. Our trained and certified professionals can assist companies with the handling of their waste streams, ensuring environmental compliance is closely monitored and properly managed.



HRL ensures RCRA (Resources Conservation Recovery Act) "cradle to grave" waste generation is properly documented and handled according to strict state and federal regulations. Waste management is an all-encompassing fixture of the oil and gas industry.



As a result, HRL has put together a team of environmental professionals which have developed top-tier programs in the following areas:

- Exempt and Non-Exempt Waste Management
- Spill Response and Remediation
- Site Characterization
- Sensitive Area Determination
- Pit Closure Oversight and Remediation
- Solid Waste Handling and Disposal
- Liquid Waste Handling and Disposal
- Hazardous and Non-Hazardous Waste Auditing & Permitting
- Drill Cuttings and Frac Sand Management and Remediation
- Waste Profiling and Characterization
- Waste Disposal Manifesting and Management
- Solid Waste Facility Auditing
- E&P and Non-E&P Impacted Soils
- Municipal Waste Management
- Sampling and Site Investigations
- Liner Waste Minimization and Recycling
- NORM/TENORM Waste Permitting and Management



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The proper management of waste in the oil and gas industry is based on pollution prevention practices. Reducing or eliminating pollutant discharges to the air, water, and/or land is the basis for a successful waste management program. At HRL, we understand the nature and complexities of oil and gas exploration, production, transfer, and storage. HRL's team of professionals manage waste disposal needs from conception to destruction for any company associated with the oil and gas industry, as well as commercial, private, and governmental agencies.

Site characterizations are completed in order to investigate the wastes present and the process in which the waste was generated. Our staff has extensive experience in developing waste minimization techniques and ensuring the most economical waste management practices are implemented in accordance with local, county, state, and federal EPA offices. HRL has worked with many regulatory agencies to obtain case-by-case exemptions and significantly reduced overall costs for disposal/recycling.



HRL has completed numerous waste disposal audits and investigations to ensure environmental compliance at waste disposal facilities. This helps to reduce the disposal liability and financial burden in the event of non-compliance.

HRL personnel can assist clients with waste reduction, recycling/reuse, treatment, and disposal of the numerous waste products resulting from industrial operations.



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