

Environmental Remediation

Using a Single Point of Accountability (SPA) model, Kleinfelder provides the role of Principal Contractor to deliver pragmatic soil and groundwater remediation solutions as well as complete client solutions to support civil contracting needs.

Projects

- Remediation at former power station / coal mine in accordance with voluntary arrangement with the EPA. Adelaide, SA (Confidential Client)
- Emergency response for removal of asbestos in soils during solar farm construction. Finley, NSW (Signal Energy)
- Remediation of soil and groundwater at a former industrial metal plating facility involving heavy metals and PFAS. Brisbane, QLD (Confidential Client)
- In-situ remediation of hydrocarbon impacted groundwater at former service station sites. Multiple States (Confidential Client)
- Fuel release from diesel storage tank due to failed conduit. Emergency response included installing a recovery trench, soil remediation, and preparing an Extent Assessment Report (EAR). Brisbane, QLD (Confidential Client)
- Large fuel release due to faulty refueling tanker at a service station. Response included protection of adjacent waterway, extraction of fuel from drains, and soil remediation. Albury, NSW (Confidential Client)



PROFILE

Contaminated soil and groundwater present potential harm to people and the environment. Most soil and groundwater remediation projects require a degree of civil works to be undertaken in order to achieve the stated cleanup objective. Civil works may include the decommissioning of site infrastructure (above and below ground), installation of active treatment systems as well as bulk excavation and disposal of contaminated soil.

Kleinfelder provides practical and effective solutions for contaminated soil and water issues, including design, implementation, and operation and maintenance of treatment systems. Project life-cycle solutions are provided for treatment of soil and groundwater affected by a wide range of contaminants, including PFAS, petroleum hydrocarbons, chlorinated solvents, and heavy metals.

Kleinfelder operates as an SPA so that clients do not have to engage several independent organisations to meet their goals. The SPA model has proven to be a cost-effective and streamlined approach to achieve remediation and decommissioning goals. Kleinfelder designs and installs remediation solutions and provides full project management throughout the life of the system, including validation monitoring to ensure achievement of remediation goals.

REMEDIATION SERVICES

- In-situ and ex-situ soil and groundwater remediation, including soil vapour extraction
- Facility decommissioning, including demolition of buildings and infrastructure (industrial, petrochemical, and mining).
- Underground storage tank (UST) removal and disposal
- Major cut/fill earthworks, including the design and construction of capping and containment systems
- Emergency response to pollution incidents, including hazardous material source control, treatment, and disposal
- Civil earthworks 12D design to optimize site contouring and reduce remediation volumes and associated costs
- Removal and remediation of asbestos in buildings, infrastructure, and soil

