1. State the name and purpose of the Turkish regulations related to the hazardous site remediation.
2. A site near a coal processing plant in Canakkale is believed to be contaminated with cadmium and lead, with concentrations of 250 and 200 mg/kg, respectively. Determine if this site poses a risk for human health and requires a remedial action based on the maximum allowable limits set by regulatory agencies in Turkey.
3. List the key components of a remediation project.
4. A site near surface is reported to be heavily contaminated with lead, and requires an immediate treatment. What kind of remedial action would you suggest, in-situ or ex-situ?
5. Explain what the key elements of a site conceptual model are. Draw a schematic diagram explaining the site conceptual models.
6. A hazardous waste site can pose a risk to human health and/or the environment. Of these, which has dominated site risk assessment and what is a target goal for human cancer risk?
7. If a site is found to have high levels of immobile chromium contamination with very high future risk to receptors, what remedy would you suggest as an environmental engineer, treatment or no action?