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REMPLEX SEMINAR

Calcium carbonate minerals as scavengers of metals and radionuclides for natural attenuation and remediation

Calcium carbonates (CaCO_3) are ubiquitous, naturally occurring minerals in subsurface sediments. In addition, calcium carbonate coatings are common in many terrestrial environments and are known to cover a variety of reactive mineral surfaces in soils and sediments, altering their reactivity and chemical behavior. For these reasons, contaminant interactions with CaCO_3 minerals are relevant to contaminant fate and transport. The objective of this presentation is to provide examples of significant advancements that have been made recently toward identifying related contaminant (e.g., U, I, and Cr) attenuation mechanisms, and provide the necessary technical basis for developing in-situ remediation techniques and natural attenuation strategies.



12:30 P.M.
PT



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