

Title: RemRx™ : Prescriptive Remediation Products for Treating Contaminated Soils and Groundwaters

Description: AxNano is developing a range of composite materials for remediation of contaminated water with a focus on tunability, low-cost, ease of use, and environmentally friendly materials. This seminar will focus on two amendments AxNano is developing in their RemRx™ platform for in situ chemical remediation. RemRx™ CRP is a controlled release material for ISCO, invented by Professor Stephanie Luster-Teasley at North Carolina A&T, from which AxNano has exclusive license. The highly tunable polymeric pellets can provide sustained levels of oxidant delivery into the subsurface with a single application, eliminating the occurrence of rebounding. Permanganate-based CRPs are currently being field-tested at pilot scale. AxNano is also developing RemRx™ CSI, a zero valent iron-based composite with functionalities to improve both reactivity and transport compared to current ZVI formulations on the market. The ZVI technology is being developed in collaboration with University of Arkansas Professor Lauren Greenlee.

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