

**FULL-SCALE DESIGN AND IMPLEMENTATION OF THE STAR TECHNOLOGY  
AT A COAL TAR-IMPACTED SITE**

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STAR is an innovative *in situ* thermal technology based on the principles of smoldering combustion, where the contaminants are the source of fuel. This presentation provides (1) a summary of how the integration of the conceptual site model (CSM) with regulatory objectives and pilot testing lead to the acceptance and application of the innovative STAR technology as the remedial alternative to treat coal tar-impacted soils below the water table at a former industrial facility in Newark, New Jersey; and (2) the full scale design, and the early results of the full-scale application of the STAR technology.

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