

**ET 012**  
**Coal Tar Stabilization via Chemical Oxidation**

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**Abstract**

The objective of this project is to determine the feasibility of using potassium permanganate to form manganese oxide precipitate on the surface of coal tar via a chemical oxidation process, and to quantify how this precipitate affects the mass transfer rate of coal tar constituents from the coal tar into surrounding waters. Partner companies include EPRI, PECO, PPL, URS and Duke Energy.