

Gradient Corporation



NEWS ALERT

Gradient Scientists to Present Work Assessing the Safety of CCP Building Materials at the 2009 World of Coal Ash (WOCA) Conference

With the potential health hazards of coal ash and building materials being featured so prominently in the news, Gradient's recent work investigating the safety of coal combustion products (CCPs) used in building materials and as structural fill is especially pertinent. Prompted by concerns expressed by the general public and regulators, Gradient evaluated potential mercury inhalation exposures and health risks associated with the beneficial use of CCPs in building materials and as structural fill.

Gradient's analyses, which were sponsored by the Electric Power Research Institute (EPRI), will be featured in two poster presentations at the 2009 World of Coal Ash (WOCA) Conference in Lexington, Kentucky (May 4-7, 2009). As described in these posters, Gradient:

- Applied the US EPA risk assessment approach to address the public's perception that the presence of mercury in CCPs poses a health concern.
- Estimated mercury volatilization into indoor air for two prevalent CCP building materials, namely coal fly ash (CFA) concrete and flue gas desulfurization (FGD) gypsum wallboard.
- Modeled ambient mercury concentrations corresponding to gaseous and airborne dust mercury emissions from CFA structural fills and construction and demolition landfills receiving CCP building materials.
- Characterized mercury non-cancer health risks.

Gradient Can Help You Address CCP-Related Health Concerns

While our recent analyses have focused on potential mercury exposures from the beneficial use of CCPs, Gradient has also evaluated potential exposures and health risks associated with a number of constituents of CCPs from a variety of CCP-related sources, including arsenic, selenium, thallium, boron, sulfates, and radionuclides. Our Coal Combustion Products Service area draws upon our expertise in toxicology, human health and ecological risk assessment, and contaminant fate and transport to address environmental and human health concerns and regulatory issues associated with CCPs.

For more information, please contact us. If you will be attending the WOCA Conference, please stop by to see our poster presentations and discuss the information with Gradient's authors.

For more information on [Gradient's Coal Combustion Products Services](#), contact:

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Gradient Corporation is a nationally renowned consulting company offering expertise in toxicology, risk assessment, fate and transport, and environmental chemistry. We have significant experience in evaluating exposures and risks from CCPs and building materials, and in communicating scientific analyses to the public.



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