

Katie Asmundson



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Advisor Name: James Tinjum

Previous Education:

BS in Civil Engineering from Bucknell University in Lewisburg, PA.

Title of Research Project:

Transport of Hexavalent Chromium in the Vadose Zone

Graduate Program: CEE

Research Focus:

Chromium ore processing residue (COPR) has been used as fill in construction sites along the east coast. Hexavalent chromium is hazardous to human health and poses a risk when chromium migrates to the surface through capillary rise and evaporative transport. My research focuses on how chromium migrates to the surface through the vadose zone and if capping a site with an asphalt cover will reduce the formation of chromium blush on the surface.

Outside Interests:

Anything active and adventurous, travel, running, golf, hiking, crafting, coffee and doughnuts, and reading.