UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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OFFICE OF
RESEARCH AND DEVELOPMENT

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MEMORANDUM

SUBJECT: Final Report: "Results of Analysis of Sludge and Sludge-Applied Soils from the September 2008 Decatur, AL Reconnaissance Study"

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Attached is the final NERL report summarizing the results of analysis on the soil and sludge samples collected by the Region 4 scientists at the Decatur, AL site. The soil samples were analyzed for perfluorocarboxylic acids, fluorotelomer carboxylic acids, perfluorosulfonates, and fluorotelomer alcohols over a range of carbon chain lengths. The sludge samples were analyzed for the perfluorocarboxylic acids and for perfluorooctane sulfonate (PFOS). The quality control data demonstrate that exceptional care was taken in sampling, storing, and/or shipping the samples. These results document that perfluorooctanoic acid (PFOA) and perfluorodecanoic acid (PFDA) exceeded 2000 ng/g of soil in the samples with the highest concentrations. The highest measured concentration of PFOS was about 1,400 ng/g of soil. The highest measured concentration of the fluorotelomer alcohols was about 800 ng/g of soil.

For the sludge samples, the highest concentrations measured for PFOA and PFOS were about 120 ng/g and 420 ng/g of sludge, respectively. Both of these high values occurred in sludge collected from Decatur, AL.

Please contact me (919-541-2106) or Eric Weber (706-355-8555) if you have any questions.

Attachment
"Results of Analyses of Sludge and Sludge-Applied Soils from the September 2008 Decatur, AL Reconnaissance Study," February 10, 2009