

WORKPLAN
SITE INVESTIGATION AND
MONITORING WELL INSTALLATIONS
CSX/VAUGHN LANDFILL

CSX Transportation
Greenville, South Carolina
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APPLIED ENGINEERING & SCIENCE, INC.

Atlanta, Georgia

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I. INTRODUCTION

Applied Engineering and Science, Inc. (AES), on behalf of CSX Transportation, Inc. (CSXT), submitted to the South Carolina Department of Health and Environmental Control (SCDHEC) a report entitled Site Investigation; Soil, Sediment, and Groundwater Sampling; Vaughn Landfill, CSX Real Property in March 1995. The report included background information and results of a site investigation conducted in February 1995 by AES on CSXT property located on Bramlette Road in Greenville. The site had been used as an unpermitted landfill by Vaughn Construction and Demolition Company of Greenville. The results and recommendations of the report are summarized below.

"Approximately seven acres of floodplain of the Reedy River have been filled with demolition debris and yard waste to a depth of up to 14 feet. Excavations through the fill and borings advanced through the fill into the underlying native soils revealed the presence of a tar-like substance at the fill/soil interface. Additional hand auger samples collected in the surrounding floodplain soils also contained tars.

Laboratory analysis of the samples indicated a band of volatile and semi-volatile contamination in soils trending northeast to southwest through the fill. This band extends from the floodplain northeast of the fill through the northern half of the fill material, through the southwest corner of the fill, and into the floodplain southwest of the landfill.