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**LEACHATE BASIN CLOSURE PLAN
LINCOLN COUNTY LANDFILL
CROUSE, NORTH CAROLINA
S&ME PROJECT NO. 1356-07-011**

Prepared for:

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
Raleigh, North Carolina

Prepared by:

S&ME, Inc.

May 15, 2007



May 15, 2007

North Carolina Department of Environment and Natural Resources
Division of Waste Management
Solid Waste Section
401 Oberlin Road
Raleigh, North Carolina 27605

Attention: Mr. Edward F. Mussler, III, P.E.

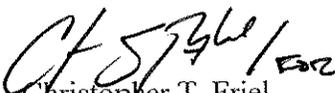
Reference: **Leachate Basin Closure Plan**
Lincoln County Landfill
Crouse, North Carolina
S&ME Project No. 1356-07-011

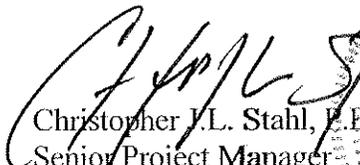
Dear Mr. Mussler:

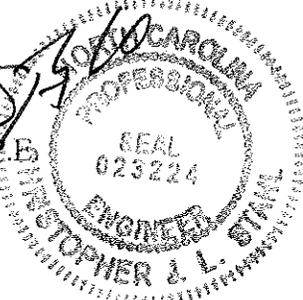
On behalf of Lincoln County, S&ME, Inc. presents this Leachate Basin Closure Plan. Please contact us if you have any questions or need additional information concerning this report.

Respectfully Submitted,

S&ME, Inc.


Christopher T. Friel
Staff Professional


Christopher J.L. Stahl, P.E.
Senior Project Manager



cc: Nancy Rickard, Lincoln County

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Leachate Basin Location Plan

1.0 INTRODUCTION

The purpose of this Closure Plan is to outline construction activities necessary to close an existing leachate basin owned and operated by the Lincoln County Landfill. Lincoln County Landfill recently opened Phase III which incorporated a new leachate management system. Leachate is no longer being diverted to the on-site lined leachate basin; all generated leachate now is being routed to two on-site storage tanks for pump and haul removal.

2.0 CLOSURE PROCEDURES

The proposed leachate basin closure is comprised of four tasks: (1) procedure for removal and disposal of all residues, system components (liner), and contaminated subsoils (if necessary); (2) sample and analysis plan for subsurface soils and procedures if subsurface contamination is encountered; (3) documentation regarding groundwater quality down gradient of the basin; and (4) backfilling procedures.

TASK 2.1 EXISTING SYSTEM REMOVAL PROCEDURES

Per the North Carolina Solid Waste Management Rules Section .1600(f) all waste residues and contaminated system components (liner, etc.) will be removed from the impoundment and properly disposed of according to federal and State regulations.

TASK 2.2 SUBSURFACE SAMPLING PROCEDURES

Upon completion of Task 1 subsurface soil samples will be collected and analyzed for TCLP VOCs and TCLP Metals. Should any contaminated soils be encountered, the soil will be removed and disposed of in the same manner as above. After removal, another set of samples will be collected and tested to ensure all contaminated soils have been removed.

TASK 2.3 GROUNDWATER QUALITY DOCUMENTATION

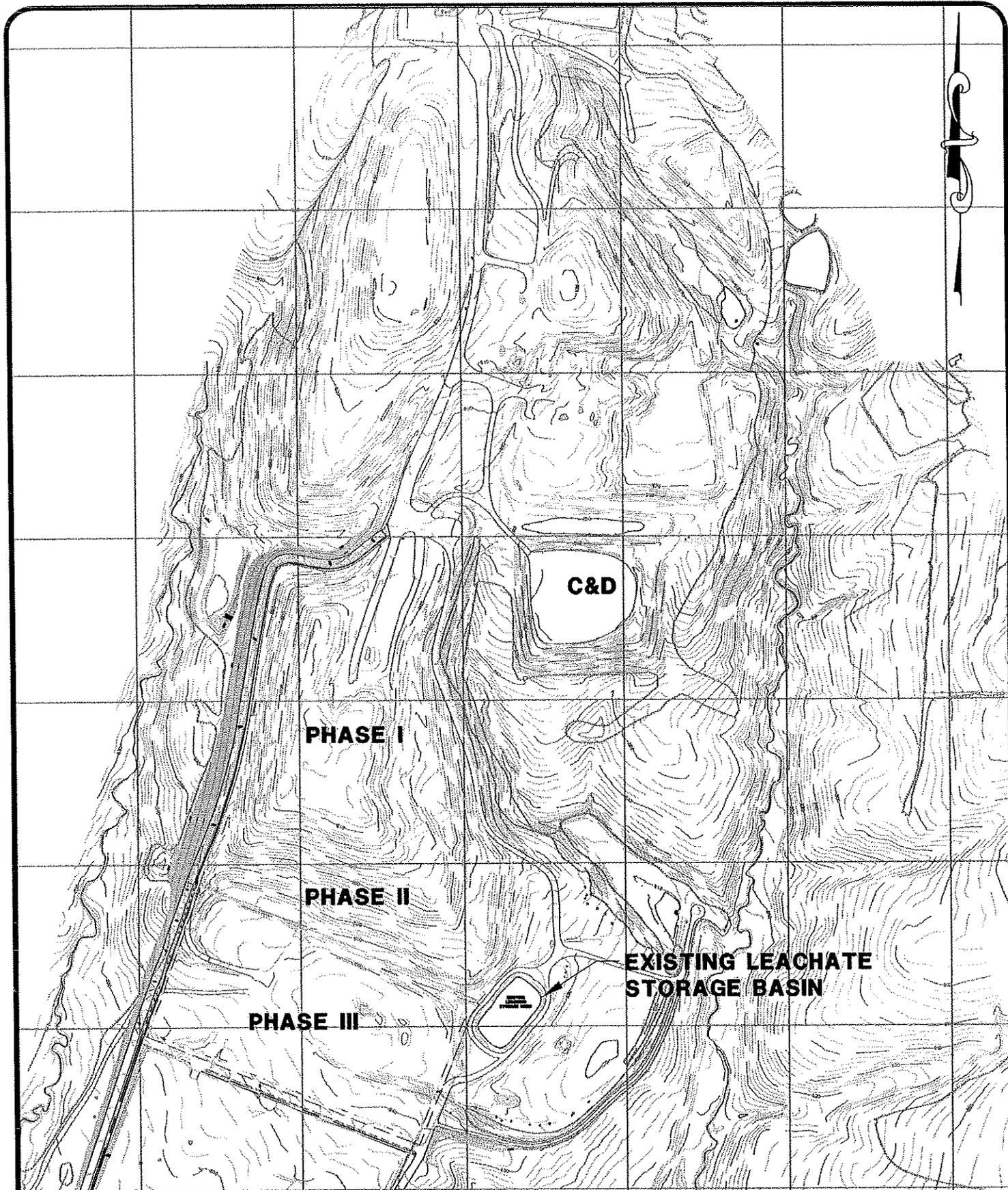
In addition to subsurface sampling, ground water quality records will be provided to display that no contamination is present within the groundwater down gradient of the existing leachate basin.

TASK 2.4 BACKFILLING PROCEDURES

Upon completion of Tasks 1 – 3, the leachate basin will be backfilled to existing grade with material suitable for structural fill. Backfill will not be placed over porous, wet, or spongy subgrade surfaces. Structural fill is to be placed and compacted in layers not exceeding six-inches of compacted depth.

3.0 REPORTING

Following approval and completion of the leachate basin closure a report documenting closure activities will be submitted to your office.



SCALE: 1" = 400'
 DATE:
 DRAWN BY: CLD
 PROJECT NO: 1356-07-011



SITE LOCATION MAP

LINCOLN COUNTY LANDFILL
 CROUSE, NORTH CAROLINA

FIGURE NO.

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