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NREAD (L)
23 Dec 86

Mr. W. B. Edwards
NCRD/DEM Laboratory Branch
Post Office Box 27687
Raleigh, North Carolina 27611

Dear Sir:

In accordance with your 9 December 1986 letter, the instruction and reporting forms for analysis of suspended residue and oil and grease are submitted.

The initial evaluation sampled for total phosphorus and ammonia nitrogen were received on 15 December 1986. Their results will follow later.

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

D. D. SHARPE
Acting Director

- Encls:
- (1) Instruction & Rpting Form for Analysis for Suspended Residue
 - (2) Instruction & Rpting Form for Analysis of Oil & Grease

Copy to:
ECML, NREA

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Instruction and Reporting Form for
Analysis of Oil and Grease

Please verify that the number on the ampul you received corresponds with the number listed here: 6 .

The contents of this ampul are to be used to prepare a sample for the analytical performance test for oil and grease analysis. Add 500 ml of distilled or deionized water and 2.5 ml concentrated HCl to a separatory funnel. Transfer ^{2.5} 10.0 ml of the ampul contents to the separatory funnel. Complete the analysis as detailed in the required procedure. Calculate the oil or grease concentration using the formula below:

$$\text{mg/l grease or oil} = \frac{(\text{mg oil or grease in sample} - \text{mg oil or grease in blank}) \times 1000}{500}$$

Please record your result in the "Value Obtained" column in accordance with the directions provided in the "Report Results" column.

Perform analyses Marked (X)	Analysis	Concentration R.	Report Results	Value Obtained
<input checked="" type="checkbox"/>	Oil & Grease	1-1000 mg/l	to 1 mg/l	<u> 37.0 </u>

Return the ampul mailing container and a signed copy of this completed form to:

Dept. of Natural Resources & Community Development
Division of Environmental Management
Laboratory Branch
P. O. Box 27687
Raleigh, North Carolina 27611

within 30 days of receiving this sample. Retain one copy for your file.

Laboratory Code # _____ Certificate # _____

Laboratory reporting data ENVIRONMENTAL CHEMISTRY AND MICROBIOLOGY LABORATORY

Signature of laboratory supervisor Elizabeth A. Bety

Date completed 15 DECEMBER 1986

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