

0283

6740/3
NREAD(L)

DEC 4 1986

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

Dear Sir:

In accordance with your 15 October 1986 letter, the Certified Laboratory Performance Analysis Report is submitted. Your letter was received on 5 November 1986.

Since the 29 May 1985 submission of our application for Wastewater Analytical Laboratory Certification, several changes have occurred. The name of the laboratory has changed from the Water Quality Control Laboratory to the Environmental Chemistry and Microbiology Laboratory (ECML). There have been some changes in the laboratory staff and enclosed is a list of the present laboratory staff, showing their education and experience. The Base has also received their proposed National Pollutant Discharge Elimination System permits which show additional monitoring requirements for Ammonia, Total Nitrogen, Total Phosphorus, Temperature, and Dissolved Oxygen. The temperature and dissolved oxygen readings will be run by the Wastewater Treatment Plant operators under the direction of the ECML. The ammonia and total phosphorus analysis will be run by the ECML. The total nitrogen analysis is presently contracted through Applied Laboratory Services with Oxford Laboratories, Inc.

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

Sincerely,

JULIAN I. WOOTEN
Director, Natural Resources Division
Assistant Chief of Staff, Facilities
By direction of the Commanding General

CLW

0000001530

FAC

Certified Laboratory Performance Analysis Report

This form is to be used to report the results of your analysis of the enclosed performance evaluation samples. One completed copy of this form is the only report needed. Do not return the individual report forms or mailing cartons. In the appropriate space below, enter the dilution made on the ampul contents (example: 5/1000 for 5 ml to 1000 ml), the value obtained from your analysis, and return this report to:

NRCD/DEM
Laboratory Section
P. O. Box 27687
Raleigh, NC 27611-7537

within 30 days of your receiving date. Reports received after this 30 day period will be considered unsatisfactory.

Parameter	Dilution Made	Value Obtained	Parameter	Dilution Made	Value Obtained
BOD		33 mg/l	Metals, Group II:		
COD		mg/l	Antimony		µg/l
Chloride		mg/l	Silver		µg/l
Cyanide		mg/l	Thallium		µg/l
Fluoride		mg/l	Arsenic		µg/l
Grease & Oil		4.0 mg/l	Barium		µg/l
Hardness		mg/l	Mercury		µg/l
MBAS		mg/l	Selenium		µg/l
Metals, Group I:			Nitrogen:		
Aluminum		µg/l	Ammonia		mg/l
Beryllium		µg/l	Total Kjeldahl		mg/l
Cadmium		µg/l	Nitrate + Nitrite		mg/l
Chromium		µg/l	Phosphorus:		
Cobalt		µg/l	Total (as P)		mg/l
Copper		µg/l	Ortho (as P)		mg/l
Iron		µg/l	pH		4.02 Units
Lead		µg/l	Phenols		µg/l
Manganese		µg/l	Residue:		
Nickel		µg/l	Total		mg/l
Zinc		µg/l	Suspended		3 mg/l
			Turbidity		NTU

Laboratory reporting data ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY

Signature Elizabeth A. Best
LABORATORY SUPERVISOR

Date 12/2/86

CLW

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY
LABORATORY STAFF

LABORATORY DIRECTOR - Elizabeth Betz

Education: High School, B.S. in Chemistry
Certification: NCWWTPO Grade II, NCWTPO B-Well
Experience: 7 years

TECHNICIANS:

Hoy J. Burns

Education: High School, 1 year College
Certifications: Dept. of Health, Education & Welfare Clinical
Laboratory Technologist, North Carolina
Wastewater Operator Grade II
Experience: Navy Clinical Laboratories - 11 yrs. Navy
Research Laboratories - 9 yrs., Quality Control
Laboratory - 10 yrs.

Carol Shores

Education: High School, B.S., M.S.
Certifications: NCWWTPO Grade II
Experience: 2 years

Lyndia Lane

Education: High School
Experience: 6 months

Thomas H. Barbee

Education: High School, B.S. in Biology with Wildlife Option
Experience: VA Hospital in Asheville, NC - 2 yrs.,
ECU School of Medicine - 1 yrs., Quality Control
Laboratory - 2 yrs.

CLW

0000001532