

CLW

000006135

80-111 133

FAC ROUTING			
	ACTION	INFO	INT
FACO			
4A			f
4B			
4C			
4D			
4E			
4FO			B
4G			
SEC			
CLK			

Mr Alexander for follow up <sup>A/1/25</sup>  
action as recommended  
for 3.



DEPARTMENT OF THE NAVY  
ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

5-R-6  
TELEPHONE NO.

(804) 444-9558

IN REPLY REFER TO:

114:WLC:awk

6280

20 JAN 1983

From: Commander, Atlantic Division, Naval Facilities Engineering Command  
To: Commanding General, Marine Corps Base, Camp Lejeune

Subj: Water and Soil Analyses

Ref: (a) LANTNAVFACENGCOM Code 1142 Environmental Engineering Survey (EES)  
Inspection of MCB CAMP LEJEUNE of 25 Oct through 5 Nov 1982  
(b) MCB CAMP LEJEUNE Navy Assessment and Control of Installation  
Pollutants (NACIP) Initial Assessment Study Outbriefing of 10 Nov  
1982

Encl: (1) Analytical Results Report for PCBs-Water Analysis Case No. 27247  
(2) Analytical Results Report for PCBs-Soil Analysis Case No. 27245  
(3) Analytical Results Report for TTHMs-Water Analysis Case No. 27249  
(MCAS CHERRY POINT)

1. During reference (a), an on-site visit of the MCAS H NEW RIVER water treatment plant backwash settling pond was performed. Stormwater was observed draining into this holding/recycling facility from the adjacent dirt access road. It was stipulated that prior to construction of this facility the road had, in past years, been coated with various types of waste oils for surface stabilization. As a result, there is concern regarding the presence of Polychlorinated Biphenyls (PCBs) in the pond resulting from area runoff.

2. Following reference (b), water and soil samples were collected by LANTNAVFACENGCOM Code 114 personnel to be analyzed by the Code 1142 contract laboratory. Enclosures (1) and (2) forward these results which indicate no traceable amounts of PCBs.

3. Total Trihalomethanes (TTHMs) monitoring results from the MCAS H NEW RIVER distribution system which have been consistently exceeding the 0.1 ppm MCL limit were also discussed. The recycled filter backwash from the MCAS H NEW RIVER WTP/settling pond was suspected as being the possible culprit. Similar conditions for the filter backwash at the MCAS CHERRY POINT settling pond also exist. However, enclosure (3) does not support the belief that TTHMs are generated/concentrated within holding/recycling ponds. Nonetheless, it is recommended that MCB CAMP LEJEUNE collect samples at MCAS H NEW RIVER and have a contract laboratory analyze for confirmation.

4. Questions regarding this matter may be addressed to Mr. W. Carter, Code 114, telephone (804) 444-9558 or AUTOVON 690-9558.

*J. R. Bailey*  
J. R. BAILEY  
By direction

Copy to:  
MCAS CHERRY POINT (w/o encls (1) and (2))

CLW

0000006136



— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin  
Atlantic Division Code 1143  
Naval Facilities Engineering Command  
Norfolk, VA 23411

Re: Water Analysis  
CAS Commission No. 6094

REPORT DATE/NUMBER: 28 December 1982/20

SAMPLES COLLECTED: 10 November 1982

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 13 November 1982: 1200

ANALYSIS FOR: Polychlorinated Biphenyls (PCBs)

METHOD OF ANALYSIS: Re: EPA Method 608, Organochlorine  
Pesticides and PCBs, July 1982

CAS No.	Description	PCB Results (µg/l)
27247	Air Station WTP Backwash	<0.05 Arochlor 1242
	Settling Pond MCAS New	<0.05 Arochlor 1254
	River MCB Camp Lejune ON 2	<0.05 Arochlor 1260

If you have any questions or comments concerning this report,  
please do not hesitate to contact us.

Prepared by:

CENTEC ANALYTICAL SERVICES

David F. Tompkins  
Chemist

DFT/mls

**CLW**

**000006137**

ENCLOSURE (1)



**CEN TEC ANALYTICAL SERVICES, INC.**

A SUBSIDIARY OF THE CENTEC CORPORATION

P. O. BOX 956  
2160 INDUSTRIAL DRIVE  
SALEM, VIRGINIA 24153  
(703) 387-3995

**— ANALYTICAL RESULTS REPORT —**

Mr. David Goodwin  
Atlantic Division Code 1143  
Naval Facilities Engineering Command  
Norfolk, VA 23411

Re: Soil Analysis  
CAS Commission No. 6094

REPORT DATE/NUMBER: 27 December 1982/18

SAMPLES COLLECTED: 10 November 1982: 1235

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 13 November 1982: 1200

ANALYSIS FOR: Polychlorinated Biphenyls (PCBs)

METHOD OF ANALYSIS: Liquid-Solid Extraction, Electron  
Capture Gas Chromatography, EPA-600/4-  
81-045

CAS No.	Description	PCB Results (µg/g-ppm)
27245	Air Station WTP MCB Clg Inside & outside of fence N 20 yds up from effluent pump. Composite of 6 samples Sample #2	<1 NT Arochlor 1242 <1 NT Arochlor 1254 <1 NT Arochlor 1260
27246	NAVSTA Roos Roads P.R. Transf. Oil Storage site	3400 Arochlor 1260

If you have any questions or comments concerning this report,  
please do not hesitaet to contact us.

Prepared by:

CEN TEC ANALYTICAL SERVICES

David F. Tompkins  
Chemist

**CLW**

**000006138**

DFT/mls

**ENCLOSURE (2)**



— ANALYTICAL RESULTS REPORT —

Mr. David Goodwin  
Atlantic Division Code 1143  
Naval Facilities Engineering Command  
Norfolk, VA 23411

Re: Water Analysis  
CAS Commission No. 6094

REPORT DATE/NUMBER: 27 December 1982/17

SAMPLES COLLECTED: 09 November 1982: 1150

BY: Navy personnel

SAMPLES RECEIVED IN LAB: 13 November 1982: 1200

ANALYSIS FOR: Total Trihalomethanes: Bromoform (CHBr<sub>3</sub>),  
Bromodichloromethane (CHBrCl<sub>3</sub>), Chlorodibromomethane (CHClBr<sub>3</sub>), and Chloroform (CHCl<sub>3</sub>)

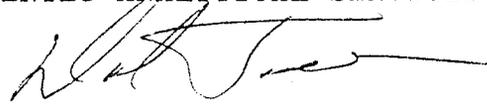
METHOD OF ANALYSIS: Re: Liquid-Liquid Extraction Method 501.2  
U.S. EPA 6 November 1979

CAS No.	Description	CHBr <sub>3</sub> (µg/l)	CHBrCl <sub>3</sub> (µg/l)	CHClBr <sub>3</sub> (µg/l)	CHCl <sub>3</sub> (µg/l)
27249	WTP Backwash Lagoon Lant Dir-MCAS Cherry Point	<2.0	<2.0	<2.0	<2.0
27250	Lantdui -MCAS Cherry Point WTP Backwash Lagoon (on 2)	<2.0	<2.0	<2.0	<2.0

If you have any questions or comments concerning this report,  
please do not hesitate to contact us.

Prepared by:

CEN TEC ANALYTICAL SERVICES

  
David F. Tompkins  
Chemist

**CLW**

000006139

DFT/mls

ENCLOSURE (3)

DEPARTMENT OF THE NAVY

COMMANDER, ATLANTIC DIVISION  
NAVAL FACILITIES ENGINEERING COMMAND  
NORFOLK, VIRGINIA 23511

OFFICIAL BUSINESS  
PENALTY FOR PRIVATE USE, \$300

POSTAGE AND FEES PAID  
DEPARTMENT OF THE NAVY  
DoD-316

CLW

0000006140

COMMANDING GENERAL  
MARINE CORPS BASE  
CAMP LEJEUNE, NC 28542

II-R-6