11330
NREAD
16 AUG 1985

Mr. Charles Rundgren
Water Supply Branch
Division of Health Services
North Carolina Department of
Human Resources
Post Office Box 2091
Raleigh, North Carolina 27602

Dear Mr. Rundgren:

This letter provides Trihalomethane Analysis for the Marine Corps Air Station, New River (MCAS, NR) Water Treatment Plant, ID #04-57-042, conducted in July 1985. The base, in an effort to lower the total trihalomethane (TTHM) levels in the water at the Air Station, made a change in the pumping schedule for the wells on 17 July 1985. Of the 23 wells presently serving the water plant, seven have chloride levels over 100 ppm. These high chloride wells were shut off and the TTHM levels were lowered to acceptable levels as is reflected in enclosures (1) and (2). The 17 July 1985 samples were collected prior to the changes. The 24 and 31 July 1985 samples were collected one and two weeks after the high chloride wells were shut off.

Point of contact in this matter is Mr. Julian Wooten, (919) 451-5003.

Sincerely,

R. A. TIEBOUT
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl: (1) TTHM MCAS Analysis
(2) JTC Environmental Consultants
Reports 100, 103 and 106

Copy to:
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Blind copy to:
QCL, NREAD

CLW

0000006339

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 15 August 1985

MARINE CORPS BASE, CAMP LEJEUNE

Name of Water System: MARINE CORPS AIR STATION
Water System ID #: 04-67-042
Type of System: Community
Source of Water: Ground
Type of Sample: D-Regular
Parameter: Trihalomethane
Contaminant ID: 2950
Method Code: 215

Type of Treatment: (X)
( )
(X)
(X)
(X)

Samples Collected by:
Samples Analyzed by:

	UNITS = ppb	SAMPLING SITE #1 BLDG AS-110						SAMPLING SITE #2 BLDG G-520						SAMPLING SITE SEE NOTE 1			
Co. ..cted	Analyzed	Time	$CHCl_3$	$CHCl_2Br$	$CHClBr_2$	$CHBr_3$	TTHM	Time	$CHCl_3$	$CHCl_2Br$	$CHClBr_2$	$CHBr_3$	TTHM	Time	$CHCl_3$	$CHCl_2Br$	$CHClBr_2$
07-17-85	07-25-85	0945	2	2	14	63	81	1110	2	9	46	146	203	1035	2	8	39
07-24-85	07-29-85	1245	5	8	13	7	33	1342	6	15	30	27	78	1255	8	17	30
07-31-85	08-02-85	—BROKEN IN TRANSIT—						1010	10	20	36	32	98	0930	7	14	24

NOTES

1. SAMPLING SITE #3 IS USUALLY AS-4025, HOWEVER ON 17 + 24 JULY 1985 IT WAS LOCKE STREET. ON 31 JULY 1985 AS-4025 WAS COLLECTED.

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0000006340

REPORT # 108

LABORATORY ANALYSIS ON

NAVAL SAMPLES

(A/E CONTRACT N62470-84-B-6932)

JTC REPORT # 85-310

PREPARED FOR:

DEPARTMENT OF THE NAVY

ATLANTIC DIVISION

NAVAL FACILITIES ENGINEERING COMMAND

NORFOLK, VA 23511

PREPARED BY:

JTC ENVIRONMENTAL CONSULTANTS, INC.

4 RESEARCH PLACE, SUITE L-10

ROCKVILLE, MARYLAND 20850

AUGUST 2, 1985

CLW

0000006341

Ann E Rosecrance

Ann E. Rosecrance
Laboratory Director

(ENCLOSURE 2)

JTC Environmental Consultants, Inc.

Date 8-2-85 Report No. 108 to Naval Facilities Engineering Command, Norfolk, Virginia

JTC Data Report No. 85-310 Table 1 Date of Sample Receipt 8-1-85

Camp Lejeune

NAVY SAMPLE ID	JTC SAMPLE ID	ANALYSIS PARAMETER							
		THM							
2800 0949 7/31	12-1341	See attached Sheet							
G-520 1010 7/31	12-1342	"							
AS-4025 0930 7/31	12-1343	"							
710 1000 7/31	12-1345	"							

CLW 00000063 42

Note: AS-110 (12-1344) was broken in transit

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1341 PROJECT NO. NF-12

CLIENT SAMPLE ID 2800 7/31/85 DATE RECEIVED 8/1/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

CLW

0000006343

PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloroethane	N.D.	47V bromoform	~~N.D.~~ 20
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	~~N.D.~~ 17
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	~~N.D.~~ 29
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	~~N.D.~~ 8 *	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED
N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1342 PROJECT NO. NF-12

CLIENT SAMPLE ID G-520 7/31/85 DATE RECEIVED 8/1/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

CLW

0000006344

PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloroethane	N.D.	47V bromoform	~~N.D.~~ 32
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	~~N.D.~~ 20
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	~~N.D.~~ 36
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	~~N.D.~~ 10	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED
N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1343 PROJECT NO. NF-12

CLIENT SAMPLE ID AS-4025 7/31/85 DATE RECEIVED 8/1/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

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PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloroethane	N.D.	47V bromoform	13 ~~N.D.~~
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	14 ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	24 ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	7* ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED
N.A. = NOT APPLICABLE/ANALYZED

*Below method detection limit

JTC ENVIRONMENTAL CONSULTANTS, INC.
PRIORITY POLLUTANT ANALYSIS DATA SHEET

VOLATILE FRACTION

JTC SAMPLE # 12-1345 PROJECT NO. NF-12

CLIENT SAMPLE ID 710 7/31/85 DATE RECEIVED 8/1/85

METHOD NO. 624 DETECTION LIMIT 10 ug/lit

CLW

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PARAMETER	RESULT ug/lit	PARAMETER	RESULT ug/lit
2V acrolein	N.D.	32V 1,2-dichloropropane	N.D.
3V acrylonitrile	N.D.	33V 1,3-dichloropropylene	N.D.
4V benzene	N.D.	38V ethylbenzene	N.D.
6V carbon tetrachloride	N.D.	44V methylene chloride	N.D.
7V chlorobenzene	N.D.	45V methyl chloride	N.D.
10V 1,2-dichloroethane	N.D.	46V methyl bromide	N.D.
11V 1,1,1-trichloroethane	N.D.	47V bromoform	15 ~~N.D.~~
13V 1,1-dichloroethane	N.D.	48V dichlorobromomethane	15 ~~N.D.~~
14V 1,1,2-trichloroethane	N.D.	49V trichlorofluoromethane	N.D.
15V 1,1,2,2-tetrachloroethane	N.D.	50V dichlorodifluoromethane	N.D.
16V chloroethane	N.D.	51V chlorodibromomethane	26 ~~N.D.~~
19V 2-chloroethylvinyl ether	N.D.	85V tetrachloroethylene	N.D.
23V chloroform	8* ~~N.D.~~	86V toluene	N.D.
29V 1,1-dichloroethylene	N.D.	87V trichloroethylene	N.D.
30V 1,2-trans-dichloroethylene	N.D.	88V vinyl chloride	N.D.

N.D. = NOT DETECTED
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*Below method detection limit

11333
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Mr. Charles Rundgren
Water Supply Branch
Division of Health Services
North Carolina Department of
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Post Office Box 2091
Raleigh, North Carolina 27602

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Sincerely,

R. A. TIEBOUT
Colonel, U. S. Marine Corps
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