

TRIHALOMETHANE SAMPLING

MONTH: JANUARY
 YEAR: 1983
 TIME

SAMPLE # SAMPLE LOCATION

WTP: Tarawa Terrace Sampler: Date:

- Bldg STT-39A, Water Plant @ 1st Pump
- Bldg TT-60, TT Elem School I, Main Hall Men's Head Sink
- Bldg TT-48, TT Elem School II, Men's Head across Office
- Bldg TT-2453, TT Exchange gas Station's Ladies Room
- Bldg TT-35, Sewage Plant's Office Sink

WTP: Sampler: Date:

- Bldg E-23, Sewage Lift Station, Knox Trailer Park

WTP: Montford Point Sampler: Date:

- Bldg M-178, Water Plant @ Sink faucet
- Bldg M-625, Steam Plant, Bathroom Sink
- Bldg M-128, Branch Clinic, Men's Head
- Bldg M-136, Sewage Plant Sink
- Bldg M-231, BOQ, 1st floor Men's Head

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WTP: New River Sampler: *J + M* Date: 1-26-83

- 312 Bldg AS-110, Water Plant @ Pump 1/26/83 1305
- 313 Bldg G-520, Career Planner, 2nd floor Men's Room 1357
- 314 Bldg AS-4025, Barracks Rec Room, Bathroom Sink 1317
- 315 Bldg 710, Officer's Club Gally Sink 1338
- 316 Bldg 2800, Boat Marina Men's Room 1328

WTP: Holcomb Blvd Sampler: Date:

- Bldg 670, Water Plant @ Pump
- Bldg 4022, Fire Station, Bathroom Sink
- Bldg 1915, Golf Course, Men's Locker Room
- Bldg 5400, Berkeley Manor Elem School, Main Hall Bathroom
- Bldg 2615, PP Officer's Club, Gally Dishwashing Sink

322 AIR STATION WATER PLANT POND, 1/26/83 1350

TRIHALOMETHANE SAMPLING

MONTH:
YEAR:

SAMPLE## SAMPLE LOCATION
WTP: Rifle Range Sampler: *L + M* Date: *1-26-83* TIME

317	Bldg RR-85, Water Plant @ Finish Tap	<i>1/26/83</i>	<i>1424</i>
318	Bldg RR-6, Fire House Sink		<i>1428</i>
319	Bldg RR-10, Snack Bar Sink		<i>1435 1445</i>
320	Bldg RR-200, Across from Target Shed		<i>1433</i>
321	Bldg RR-92, Sewage Plant Sink		<i>1439</i>

WTP: Courthouse Bay Sampler: Date:

Bldg BB-190, Water Plant @ Faucet

Bldg BB-7, Mess Hall Sink

Bldg BB-54, Service Club

Bldg SBB-204, Sewage Plant Sink

Bldg BB-46, Marina Bathroom Sink

WTP: Onslow Beach Sampler: Date:

Bldg BA-138, Water Plant

Bldg BA-103, Mess Hall

Campsite #2, Spigot 10(Mainland)

Campsite #1, Spigot 2(Beachside)

Bldg SBA-142, Spigot at bottom of Pier

WTP: Hadnot Point Sampler: Date:

Bldg20, Water Plant @ Pump

Bldg NH-1, Emergency Room Sink

Bldg 1202, Men's Room Sink

Bldg 65, Quality Control Lab, Room 220 Sink

Bldg FC-530, Laundry Room Sink, 1st floor

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SUMMARY OF THM ANALYSIS FOR DECEMBER 1982

SAMPLE #15	SYSTEM	DEC	SEP-NOV	JUN-AUG	MAR-MAY	RUN.AVE.	COMPLY
		JAN					
		DEC-JAN					
	TARAWA TERRACE	—	0.01	0.02	0.01	0.01	YES
	CAMP JOHNSON	—	0.01	0.01	0.01	0.01	YES
301-305	NEW RIVER	0.13	0.10	0.12	0.09	0.11*	NO
312-314		0.12 0.12				0.11**	
	HACOMB BLVD	—	0.03	0.03	0.04	0.03	YES
306-310	RIFLE RANGE	0.05	0.05	0.06	0.05	0.05*	YES
317-321		0.06 0.05				0.05**	
	COURTHOUSE BAY	0.05	0.05	0.05	0.05	0.05	YES
	ONSLow BEACH	—	0.04	0.06	0.05	0.05	YES
	HADNOT POINT	—	0.05	0.03	0.04	0.04	YES
			DEC	JAN			
311	CAMP GEIGER RESERVOIR		0.13	—			
322	NEW RIVER SETTLING POND		—	0.02			

* COUNTING DECEMBER, HOWEVER IT WILL CHANGE.

** COUNTING THE AVERAGE OF JANUARY + DECEMBER, HOWEVER FEBRUARY RESULTS COULD CHANGE IT.

CLW

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Summary of THM analysis for January 1983

<u>Sample #s</u>	<u>System</u>	<u>Jan</u>	<u>Dec</u>	<u>Sep-Nov</u>	<u>Jun-Aug</u>	<u>Mar-May</u>	<u>Run.Ave</u>	<u>Comply</u>
	Tarawa Terrace Camp	-	-	0.01	0.02	0.01	0.01	yes
	Camp Johnson	-	-	0.01	0.01	0.01	0.01	yes
312-316	New River	0.12	0.13	0.10	0.12	0.09	0.11*	no
	Holcomb Blvd	-	-	0.03	0.03	0.04	0.03	yes
317-321	Rifle Range	0.06	0.05	0.05	0.06	0.05	0.05*	yes
	Courthouse Bay	-	-	0.05	0.05	0.05	0.05	yes
	Hadnot Point	-	-	0.05	0.03	0.04	0.04	yes
311	Camp Geiger Reservoir	-	0.13					
322	New River Settling Pond	0.02	-					

*-Counting the average of January and December, however February results could change it.

CLW

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SUMMARY OF THM ANALYSIS FOR JANUARY 1983

<u>SAMPLE #S</u>	<u>SYSTEM</u>	<u>JAN</u>	<u>DEC</u>	<u>SEP-NOV</u>	<u>JUN-AUG</u>	<u>MAR-MAY</u>	<u>RUN AVE</u>	<u>COMPLY</u>
	TARAWA TERRACE	-	-	0.01	0.02	0.01	0.01	YES
	CAMP JOHNSON	-	-	0.01	0.01	0.01	0.01	YES
312-316	NEW RIVER	0.12	0.13	0.10	0.12	0.09	0.11*	NO
	HOLCOMB BLVD	-	-	0.03	0.03	0.04	0.03	YES
317-321	RIFLE RANGE	0.06	0.05	0.05	0.06	0.05	0.05*	YES
	COURTHOUSE BAY	-	-	0.05	0.05	0.05	0.05	YES
	ONSLow BEACH	-	-	0.04	0.06	0.05	0.05	YES
	HABNOT POINT	-	-	0.05	0.03	0.04	0.04	YES
311	CAMP GEIGER RESERVOIR		<u>DEC</u> 0.13	<u>JAN</u> -				
322	NEW RIVER SETTLING POND		-	0.02				

CLW

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* COUNTING THE AVERAGE OF JANUARY * DECEMBER, HOWEVER FEBRUARY RESULTS
COULD CHANGE IT

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

NREAD/DDS/th
11330/1
25 Feb 1983

From: Director
To: Assistant Chief of Staff, Facilities
Subj: Total Trihalomethane (TTHM) Levels in Drinking Water Supplies;
monitoring of Camp Lejeune Systems.
Ref: (a) Safe Drinking Water Act and State Implementing Regulations
Encl: (1) Summary of TTHM Analysis for January 1983

1. The enclosure summarizes results of the subject monitoring through January 1983. This data indicates that only the New River drinking water system fails to comply with the 0.10 parts per million (ppm) TTHM standard established by the reference. The initial one year monitoring period required by the reference will end in February. In the future, the reference will require quarterly monitoring of systems serving populations of at least 10,000 (MCAS(H), New River and Hadnot Point potable water systems). Compliance with the 0.10 ppm standard is required by November 1983.

2. The following recommendations are made:

a. Discontinue TTHM monitoring except at MCAS(H), New River and Hadnot Point and reduce frequency of monitoring to minimum required by the reference, i.e. quarterly.

b. Initiate immediate consultation with state regulatory personnel in the Regional Office (Greenville, NC) of the Division of Health Services relative to alternatives available for achieving compliance with TTHM standards. Also, Base Maintenance Officer should implement appropriate alternatives as soon as possible.

J. I. WOOTEN

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Summary of THM analysis for January 1983 (parts per million)

<u>Sample #s</u>	<u>System</u>	<u>Jan</u>	<u>Dec</u>	<u>Sep-Nov</u>	<u>Jun-Aug</u>	<u>Mar-May</u>	<u>Run.Ave</u>	<u>Comply</u>
	Tarawa Terrace	-	-	0.01	0.02	0.01	0.01	yes
	Camp Johnson	-	-	0.01	0.01	0.01	0.01	yes
312-316	New River	0.12	0.13	0.10	0.12	0.09	0.11*	no
	Holcomb Blvd	-	-	0.03	0.03	0.04	0.03	yes
317-321	Rifle Range	0.06	0.05	0.05	0.06	0.05	0.05*	yes
	Courthouse Bay	-	-	0.05	0.05	0.05	0.05	yes
	Hadnot Point	-	-	0.05	0.03	0.04	0.04	yes
311	Camp Geiger Reservoir	-	0.13					
322	New River Settling Pond	0.02	-					

*-Counting the average of January and December, however February results could change it.

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GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

709 West Johnson Street

Raleigh, North Carolina 27603

(919) 828-3360

ANALYTICAL LABORATORY

Environment Analysis
Construction Materials
Identification of Unknowns
Agriculture
Fuels
Textiles
Chemicals
Hazardous Waste

February 6, 1983
83-6113

Commanding General
Marine Corps Base
Camp Lejeune, N.C. 28542

Attention: AC/S Facilities

Subject: Analyses of Samples Received 1/31/83

Sample Identification: Purchase Order No. M67001-82-M-5084

1. 312 A *	7. 318 A & 318 B
2. 313 A & 313 B	8. 319 A & 319 B
3. 314 A & 314 B	9. 320 A & 320 B
4. 315 A & 315 B	10. 321 A & 321 B
5. 316 A & 316 B	11. 322 A & 322 B
6. 317 A & 317 B	

* 312 B broken in Transit

RESULTS

Sample	Chloroform	Bromodichloro- methane	Chlorodibromo- methane	Bromoform	Total Trihalo- methane
1	2	8	15	22	47
2	4	14	41	69	128
3	3	15	44	54	116
4	4	15	40	48	107
5	4	14	33	46	97
6	36	14	4	<1	54
7	31	13	3	<1	47
8	37	14	5	<1	56
9	38	16	4	<1	58
10	34	13	3	<1	50
11	2	6	8	8	24

NOTE: All results reported in micrograms per liter.
Analysis completed 2-4-83.

Bruce A. Babson

Bruce A. Babson
Chemist

CLW

0000006409

BAB/ab
Customer #92400
cc: Elizabeth Betz



10 Betty
g/W

GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

709 West Johnson Street

Raleigh, North Carolina 27603

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ANALYTICAL LABORATORY

Environment Analysis
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Identification of Unknowns
Agriculture
Fuels
Textiles
Chemicals
Hazardous Waste

January 14, 1983
83-5838

Commanding General
Marine Corps Base
Camp Lejeune, N.C. 28542

Attention: AC/S Facilities

Subject: Analyses of Samples Received 1/3/83

Sample Identification:

CONSULTATION

Metallurgical Services
Pollution Abatement
Process Development
Quality Control
Methods Development
Special Investigation
Pesticides
RCRA

Sample	RESULTS				
	Chloroform	Bromodichloro- methane	Chlorodibromo- methane	Bromoform	Total Trihalo- methane
301	3	9	16	29	57
302	7	23	45	51	126
303	7	24	51	59	141
304	7	22	46	49	124
305	6	18	47	50	121
306	33	12	3	<1	48
307	33	15	5	<1	53
308	35	15	3	<1	53
309	36	16	5	<1	57
310	34	9	3	<1	46
311	7	23	49	49	128

NOTE: All results reported in micrograms per liter.
Analysis completed 1/13/83.

Bruce A. Babson
Bruce A. Babson
Chemist



BAB:ca
Customer #92400
cc: Elizabeth Betz

CLW

0000006410

GRAINGER LABORATORIES

INCORPORATED

ANALYTICAL AND CONSULTING CHEMISTS

709 West Johnson Street

Raleigh, North Carolina 27603

(919) 828-3360

ANALYTICAL LABORATORY

Environment Analysis
Construction Materials
Identification of Unknowns
Agriculture
Fuels
Textiles
Chemicals
Hazardous Waste

February 6, 1983
83-6113

Commanding General
Marine Corps Base
Camp Lejeune, N.C. 28542

CONSULTATION

Metallurgical Services
Pollution Abatement
Process Development
Quality Control
Methods Development
Special Investigation
Pesticides
RCRA

Attention: AC/S Facilities

Subject: Analyses of Samples Received 1/31/83

Sample Identification: Purchase Order No. M67001-82-M-5084

1. 312 A *	7. 318 A & 318 B
2. 313 A & 313 B	8. 319 A & 319 B
3. 314 A & 314 B	9. 320 A & 320 B
4. 315 A & 315 B	10. 321 A & 321 B
5. 316 A & 316 B	11. 322 A & 322 B
6. 317 A & 317 B	

* 312 B broken in Transit

RESULTS

<u>Sample</u>	<u>Chloroform</u>	<u>Bromodichloro- methane</u>	<u>Chlorodibromo- methane</u>	<u>Bromoform</u>	<u>Total Trihalo- methane</u>
1	2	8	15	22	47
2	4	14	41	69	128
3	3	15	44	54	116
4	4	15	40	48	107
5	4	14	33	46	97
6	36	14	4	<1	54
7	31	13	3	<1	47
8	37	14	5	<1	56
9	38	16	4	<1	58
10	34	13	3	<1	50
11	2	6	8	8	24

NOTE: All results reported in micrograms per liter.
Analysis completed 2-4-83.

Bruce A. Babson

Bruce A. Babson
Chemist

CLW

000006411

BAB/ab
Customer #92400
cc: Elizabeth Betz

