

10. Betz

VIA: Director.

l/W 20 Dec 83

Please Note that Col. Lilley signed off on discontinuance of voluntary monitoring. And requested reduction of Hadnot Pt. Frequency
Darryl Shaye

NREAD/DDS/sm
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DEC 12 1983

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

Dear Mr. Rundgren:

Enclosures (1), (2) and (3) provide updated Triholomethane data previously submitted to your agency by our letter dated 1 June 1983. Enclosures (2) and (3) provide additional information in accordance with written request from Mr. Larry Elmore, Environmental Engineer, Water Supply Branch, dated 21 June 1983. In accordance with guidance from Mr. Dick Casper, Water Supply Branch by telephone on 30 November 1983, the Grainger Laboratory data sheets requested by Mr. Elmore have not been included.

Enclosure (1) provides a summary of Triholomethane data for all eight drinking water systems aboard this installation. Based on the information contained in enclosure (1), voluntary monitoring of systems with identification number 04-67-043 through 04-67-048 have been discontinued. Also, based on the low Triholomethane contamination levels shown in enclosure (2), permission from your agency to reduce monitoring frequency to once a year for the Hadnot Point system, identification number 04-67-041 is hereby requested.

Monitoring of the Marine Corps Air Station (Helicopter), identification number 04-67-042 and related reporting will continue on a quarterly frequency. Questions regarding this matter should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, telephone (919) 451-5977.

Sincerely,

M. G. LILLEY
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl:

- (1) TTHM Analysis-Quarterly & Annual averages
- (2) TTHM Analysis-Hadnot Point
- (3) TTHM Analysis-MCAS(H)

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TOTAL TRIHALOMETHANE ANALYSIS
MARINE CORPS BASE, CAMP LEJEUNE

QUARTERLY & ANNUAL AVERAGES

System	ID#	1982				1983		Annual Average	1983		Annual Average
		Apr-Jun	Jul-Sep	Oct-Dec	Jan-Mar	Apr-Jun	Jul-Sep				
Hadnot Point ¹	04-67-041	0.03	0.04	0.04	0.04	0.04	0.04	0.04 ³	0.04	0.04	0.04
MCAS-New River ¹	04-67-042	0.08	0.10	0.11	0.10	0.10	0.10	0.09 ³	0.10	0.11	0.10
Holcomb Blvd ²	04-67-043	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
wa Terrace ²	04-67-044	0.01	0.02	0.01	0.02	0.01	0.01	0.01	0.01	0.01	0.01
Camp Johnson ²	04-67-045	0.01	0.01	0.01	0.01 ³	0.01	0.01	0.01	0.01	0.01	0.01
Rifle Range ²	04-67-046	0.05	0.05	0.05	0.05	0.05	0.05	0.06	0.05	0.05	0.05
Courthouse Bay ²	04-67-047	0.04	0.04	0.05	0.04	0.04	0.04	0.04	0.04	0.03	0.04
Onslow Beach ²	04-67-048	0.05	0.04	0.04	0.04 ⁴	0.04 ⁴	0.04 ⁴	0.04	0.04	0.03	0.04

Notes

- Hadnot Point and Marine Corps Air Station-New River systems serve populations between 10,000-74,999.
- These systems serve populations less than 10,000.
One of the distribution points were secured, so only four points were averaged instead of the usual five.
- In February 1983, the Onslow Beach distribution points were secured. Therefore, the only point collected was at the beginning of the distribution system.

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TOTAL TRITHALOMETHANE (TTM) ANALYSIS SUMMARY
MARINE CORPS BASE, CAMP LEJEUNE

Name of Water System: Hadnot Point
 Water System ID #: 04-67-041
 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) Chlorinated
 (x) Fluoridated
 (x) Filtered
 (x) Lime
 (x) Water Softener
 Samples Collected by: Water Quality Control Lab (ID#37807)
 Samples Analyzed by: Grainger Laboratories Inc (ID#37709)

Collected	Analyzed	Time	TTM (mg/l)	Time	TTM (mg/l)	Time	TTM (mg/l)	Time	TTM (mg/l)
04-22-82	05-03-82	1400	0.045	1410	0.051	1500	0.047	1530	0.047
05-27-82	06-08-82	1133	0.027	1123	0.029	1333	0.028	1315	0.025
06-25-82	07-08-82	1440	0.014	1455	0.015	1435	0.015	1510	0.014
07-28-82	08-10-82	1100	0.041	1413	0.045	1347	0.042	1425	0.042
11-26-82	12-08-82	1047	0.045	1056	0.042	1109	0.054	1138	0.045
02-25-83	03-11-83	1505	0.040	1515	0.061	1445	0.041	1530	0.041
05-27-83	06-10-83	1450	0.038	See Note	Below	1505	0.043	1514	0.039
08-26-83	09-08-83	1459	0.038	1450	0.044	1509	0.039	1520	0.039

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TRIAL TRITHALOMETHANE (THM) ANALYSIS SUMMARY
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: Trithalomethane
Contaminant ID: 2950
Method Code: 215

Type of Treatment: (x) Chlorinated
() Fluoridated
(x) Filtered
(x) Lime
(x) Water Softener
Samples Collected by: Water Quality Control Lab (ID#37807)
Samples Analyzed by: Gratinger Laboratories Inc (ID#37709)

Collected	Analyzed	Sampling Site # 1 Time Bldg AS-110, WTP Plant Tap TTHM (mg/l)	Sampling Site # 2 Time Bldg G-520 Consumer Tap TTHM (mg/l)	Sampling Site # 3 Time Bldg AS-4025 Consumer Tap TTHM (mg/l)	Sampling Site # 4 Time Bldg 710 Consumer Tap TTHM (mg/l)	Sampling Site # 5 Time Bldg 2800 Consumer Tap TTHM (mg/l)
04-20-82	05-03-82	1255 0.051	1345 0.073	1310 0.120	1325 0.099	1335 0.100
05-28-82	06-09-82	1125 0.040	1110 0.096	1135 0.070	1155 0.083	1145 0.105
06-25-82	07-08-82	1005 0.052	0953 0.094	1020 0.092	1045 0.095	1035 0.118
07-29-82	08-10-82	1110 0.064	1209 0.124	1122 0.094	1145 0.094	1135 0.135
08-17-82	08-31-82	0953 0.082	1040 0.133	1205 0.145	1235 0.143	1225 0.142
09-21-82	09-30-82	1235 0.050	1320 0.111	1247 0.081	1312 0.077	1300 0.101
11-29-82	12-08-82	1115 0.049	1150 0.127	1202 0.113	1141 0.091	1133 0.125
12-29-82	01-13-83	1305 0.057	1350 0.126	1315 0.141	1335 0.124	1325 0.121
01-26-83	02-04-83	1305 0.047	1357 0.128	1317 0.116	1338 0.107	1328 0.097
03-83	03-11-83	1245 0.058	1332 0.131	1257 0.108	1320 0.108	1310 0.102
05-27-83	06-10-83	1144 0.048	See Note Below	1154 0.084	1212	1204 0.139
08-26-83	09-08-83	1303 0.062	1254 0.125	1317 0.133	1340 0.093	1330 0.129

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