

11330/1
NREAD
10 Apr 1985

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

Dear Mr. McFadyen:

Enclosed are the completed Department of Health Forms (DHS 1942 2/74) for all water treatment plants aboard Marine Corps Base, Camp Lejeune for the period 1-31 March 1985. Also enclosed are the weekly Chemical Analysis Forms (MCBCL 11330/3 Rev 3-82) for the same period, as requested in the 25 October 1982 letter from Mr. Charles Rundgren of your office.

The analysis is run by the Quality Control Laboratory located in the Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities. Ms. Elizabeth Betz, Supervisory Chemist, Quality Control Laboratory, telephone (919) 451-5977 is the point of contact in this matter.

Sincerely,

J. I. WOOTEN
Director

Encl:
(1) Dept of Health Forms
(2) Chemical Analysis Forms

Copy to:
LANTDIV (Code 114)

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BMO (Attn: UtilDir)
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WATER TREATMENT PLANTS

LABORATORY ANALYSIS
 MCBCL 11330.3 (REV. 6-84)

DATE COLLECTED
 3/5/85

DATE OF ANALYSIS
 3/5/85

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
	-041	-045	-044	-048	-047	-044	-043	-042
PH (IN LAB NOT PLANT)	9.1	7.5	8.6	7.5	8.4	8.3	8.5	8.5
PHENOLTHALEIN ALKALINITY	8	0	4	0	4	2	4	10
METHYL ORANGE ALKALINITY	60	190	52	170	160	162	60	170
CARBONATES AS CaCO ₃	16	0	8	0	8	4	8	20
BICARBONATES AS CaCO ₃	44	190	44	170	152	158	52	150
CHLORIDES AS Cl	10	40	10	24	12	30	14	170
HARDNESS AS CaCO ₃	56	80	76	64	54	100	60	62
IRON AS Fe	0.05	0.57	0.04	0.17	0.07	0.08	0.06	0.09
	1.04		0.97				1.00	
FLUORIDE	1.06	0.18	0.98	0.18	0.13	0.12	1.00	0.79
CHLORINE RESIDUAL	1.0	1.2	1.0	1.2	1.1	1.0	1.3	1.5
	0.40		0.20				1.00	
TURBIDITY	0.40	1.5	0.40	0.70	0.40	0.60	0.60	0.6
TOTAL PHOSPHATE		3.65			1.13			
ORTHO PHOSPHATE		1.13			0.25			
META PHOSPHATE		2.52			0.88			
STABILITY	+0.5	-0.5	+0.1	-0.5	+0.1	+0.3	+0.3	0.0

REMARKS

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- UTIL DIR
 WATER TREATMENT
 PMU MCAS-PM3
 NREAD FILE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

ENCLOSURE (2)

H. J. Burns & Kachapelle

LABORATORY ANALYSIS BY

DATE COLLECTED 12 MAR 85

DATE OF ANALYSIS 12 MAR 85

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ON SLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
	-041	-043	-044	-048	-047	-046	-045	-042
PH (IN LAB NOT PLANT)	8.5	7.3	8.8	7.4	8.4	8.2	8.5	8.7
PHENOLTHALEIN ALKALINITY	10	0	10	0	12	2	8	62
METHYL ORANGE ALKALINITY	60	196	46	164	176	170	88	220
CARBONATES AS CaCO ₃	20	0	20	0	24	4	16	124
BICARBONATES AS CaCO ₃	40	196	26	164	152	166	72	96
CHLORIDES AS Cl	30	36	10	18	14	14	10	110
HARDNESS AS CaCO ₃	60	86	68	68	84	74	80	54
IRON AS Fe	<0.04	0.63	<0.04	0.14	<0.04	<0.04	<0.04	<0.04
	1.01	0.76	0.76	0.17	0.12	0.09	0.93	0.74
FLUORIDE	1.05	0.15	0.67	0.17	0.12	0.09	0.99	0.74
CHLORINE RESIDUAL	1.0	1.4	1.0	1.0	1.5	1.0	1.0	1.4
	0.2	0.2	0.2	0.3	0.3	0.4	0.2	0.3
TURBIDITY	0.3	0.7	0.4	0.3	0.3	0.4	0.2	0.3
TOTAL PHOSPHATE		1.10			0.59			
ORTHO PHOSPHATE		1.04			0.25			
META PHOSPHATE		0.06			0.34			
STABILITY	+0.1	-0.6	+0.2	-0.7	+0.2	0.0	+0.2	0.0

REMARKS

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- PMU
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LABORATORY ANALYSIS BY HUNRYCUTT

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

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CHEMICAL ANALYSIS - WATER TREATMENT PLANTS
 MCBCL 11330 3 (REV. 6-84)

DATE COLLECTED
 19 MAR 1985

DATE OF ANALYSIS
 19 MAR 1985

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
	-041	-043	-044	-048	-047	-044	-043	-042
PH (IN LAB NOT PLANT)	8.6	7.3	8.6	7.5	8.4	8.3	8.7	8.8
PHENOLTHALEIN ALKALINITY	6	0	4	0	8	4	4	12
METHYL ORANGE ALKALINITY	80	192	58	164	166	150	62	172
CARBONATES AS CaCO ₃	12	0	8	0	16	8	8	24
BICARBONATES AS CaCO ₃	68	192	50	164	150	142	54	148
CHLORIDES AS Cl	10	36	16	20	20	26	8	170
HARDNESS AS CaCO ₃	86	84	78	66	68	70	62	56
IRON AS Fe	<0.04	0.50	<0.04	0.12	<0.04	<0.04	<0.04	<0.04
	AM		1.13				0.93	
FLUORIDE	0.98	0.16	0.96	0.16	0.12	0.10	0.83	0.75
	PM							
CHLORINE RESIDUAL	1.0	1.2	1.0	1.2	1.2	0.7	0.9	1.3
	AM		0.3				0.1	
TURBIDITY	0.2	0.9	0.2	0.2	0.2	0.3	0.2	0.6
	PM							
TOTAL PHOSPHATE		1.84			1.26			
ORTHO PHOSPHATE		0.92			0.28			
META PHOSPHATE		0.92			0.98			
STABILITY	+0.4	-0.8	+0.4	-0.7	+0.1	0.0	+0.4	+0.2

REMARKS

COPY TO:

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WATER TREATMENT

PMU MCAS PMU

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LABORATORY ANALYSIS BY

LACHAPELLE V BARRE

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

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PARAMETER <i>SEE INL # 01-67</i>	HADNOT POINT -041	CAMP JOHNSON -043	TARAWA TERRACE -044	ONSLOW BEACH -048	COURTHOUSE BAY -047	RIFLE RANGE -046	HOLCOMB BLVD -045	NEW RIVER -042
PH (IN LAB NOT PLANT)	8.9	7.6	9.0	7.8	8.6	8.4	8.8	8.9
PHENOLTHALEIN ALKALINITY	6	0	6	0	2	6	2	12
METHYL ORANGE ALKALINITY	58	190	46	170	156	162	68	160
CARBONATES AS CaCO ₃	12	0	12	0	4	12	4	24
BICARBONATES AS CaCO ₃	46	190	34	170	152	150	64	134
CHLORIDES AS Cl	12	34	14	20	16	20	14	166
HARDNESS AS CaCO ₃	68	86	70	62	74	54	68	54
IRON AS Fe	<0.04	0.48	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
FLUORIDE	0.96	0.17	0.92	0.15	0.10	0.08	0.93	0.71
CHLORINE RESIDUAL	1.0	1.3	1.0	1.5	1.5	1.0	0.9	1.4
TURBIDITY	0.1	0.9	0.2	0.2	0.3	0.1	0.2	0.2
TOTAL PHOSPHATE	0.2	2.70	0.3		0.45		0.2	
ORTHO PHOSPHATE		1.04			0.16			
META PHOSPHATE		1.66			0.29			
STABILITY	+0.3	-0.8	+0.5	-0.7	0.0	-0.2	+0.3	0.0

REMARKS

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WATER TREATMENT

PMU MCAS PMU

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LABORATORY ANALYSIS BY

T.N. BARBER

NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

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