

11331  
NREAD  
8 Jan 85

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 December 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.

One sample of the 3 December 1985 collection from the Tarawa Terrace Water Treatment Plant was positive. On the membrane filter, 70 colonies/100 ml were counted. Five colonies were picked off and run through Lauri Tryptose Broth Tubes and Brilliant Green Bile Broth Tubes. All five were confirmed to coliform. Check samples were collected on 4 and 5 December 1985 and were negative. Although only six samples are required of the Tarawa Terrace System, 14 were collected in December 1985. Our determination of the enclosed data is that the contaminated sample was not a representative sample. It is requested that one of the eight extra samples be substituted for the contaminated sample in computing the coliform density. This request is based on rules and regulations of the Safe Drinking Water Act published in the Federal Register, Volume 45, Number 168, dated 27 August 1980.

The analysis is run by the Quality Control Laboratory located in the Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities, Marine Corps Base, Camp Lejeune. 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

CLW

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Encl:

- (1) Dept of Health Forms
- (2) Chemical Analysis Forms

Copy to:  
LANTNAVFACENCOM (Code 114)

Blind Copy to:  
BMO (Attn: Util Dir)  
SUPYCHEM, QCL

Month December  
Year 1985

HADNOT POINT

WATER TREATMENT PLANT AT Camp Lejeune

Method Code: 303  
Contaminant Code: 3000

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Serial # 04-67-041

DATE	RAW WATER COLIFORMS (MFP)									NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM										INCUBATOR TEMP.	PLANKTON						
	A			B			C									COLIFORMS (MFP)					REPEAT SAMPLES												
	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES							1	2	3	4	5	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.								
4	50													0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.8	
10	510													0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.5	
17	517													0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	34.5	
26	526													0	2	0							0									34.7	
31														0																			

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MF MEDIA	BBL mEndo	BACTERIAL DENSITY	ARITH. MEAN	0	DIST. SYSTEM	TOTAL NO. SAMPLES	38
TPC MEDIA		GEO. MEAN		100		SAMPLES EXCEEDING 3/50, 1/100, 7/200, 13/500ml	0

Month DECEMBER  
Year 1985

MARINE CORPS AIR STATION

MEMBRANE FILTER PROCEDURE

WATER TREATMENT PLANT AT Camp Lejeune

Method Code: 303

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

Contaminant Code: 3000

N. C. DEPARTMENT OF HUMAN RESOURCES

Serial # 04-67-04Z

DATE	RAW WATER COLIFORMS (MFP)								NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM										INCUBATOR TEMP.	PLANKTON				
	A		B		C		COLIFORMS (MFP)								REPEAT SAMPLES		COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.											
	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	1	2							3	4				5	12/18	12/19								
	TOTAL COLONIES	COLIFORM COLONIES	TOTAL COLONIES	COLIFORM COLONIES	TOTAL COLONIES	COLIFORM COLONIES	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.							COLIFORMS per 100 ml.	COLIFORMS per 100 ml.				COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.								
1																														
2																														
3																														
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5																														
6																														
7																														
8																														
9																														
10																														
11	10																0	7	0	0	0	0	0	0	0	0	0		34.5	
12																														
13																														
14																														
15																														
16																														
17	517																0	6	0	0	0	0							34.5	
18																														
19																														
20																														
21																														
22																														
23																														
24																														
25																														
26																														
27	522																0	2		0										34.2
28	5																													31.7
29																														
30																														
31																														
														0.045	DIST. SYSTEM	TOTAL NO. SAMPLES										22				
														1.00		SAMPLES EXCEEDING 3/50, 4/100, 7/200, 13/500										0				
														CLW																
														0000004499																

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0000004499

M2 MEDIA      BBI mEndo      BACTERIAL DENSITY      ARITH. MEAN      GEO. MEAN

0.045 DIST. SYSTEM      TOTAL NO. SAMPLES      22

SAMPLES EXCEEDING 3/50, 4/100, 7/200, 13/500

Serial # 04-67-043

N. C. DEPARTMENT OF HUMAN RESOURCES

DATE	RAW WATER COLIFORMS (MFP)							NO. OF COLIFORMS PER 100 ml.	FILTERED	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	FINISHED	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM					REPEAT SAMPLES			INCUBATOR TEMP.	PLANKTON		
	A		B		C										COLIFORMS (MFP)											
	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORMS per 100 ml.								1	2	3	4	5	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.				
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11	10													0	7	0	0	0	0	0						34.8
12																										
13																										
14																										
15																										
16																										
17	517													0	7	0	0	0	0		0	0				34.5
18																										
19																										
20																										
21																										
22																										
23																										
24																										
25																										
26	320													0	2	0	0									34.7
27																										
28																										
29																										
30																										
31																										

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USE MEDIA	BRI mEndo	BACTERIAL DENSITY	ARITH. MEAN	0	DIST. SYSTEM	TOTAL NO. SAMPLES	23
USE MEDIA			GEO. MEAN	1.0		SAMPLES EXCEEDING 3/50 (4/100) 7/200, 13/500=1	0

*Elizabeth R. Betty*

B Well ...

DATE	RAW WATER COLIFORMS (MFP)									NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM											
	A			B			C									COLIFORMS (MFP)					REPEAT SAMPLES						
	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES							1	2	3	4	5	ON 12/4	ON 12/5	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	INCUBATOR TEMP.
1																											
2																											
3																											
4																											
7																											
8																											
9																											
10																											
10	10													17.75	4	0	1	0	7						34.8		
12																											
13																											
14																											
15																											
16																											
17														0	4	0	0		0	0					34.5		
18																											
19																											
20																											
21																											
23																											
24																											
25																											
26														0	2	0			0						34.7		
27																											
28																											
29																											
30																											
31																											
MEANS														5.07												14	
ST. DEV.														1.36												1	
BBL ml/Endo																											
BACTERIAL DENSITY																											
ARITH. MEAN																											
GEO. MEAN																											
TOTAL NO. SAMPLES																											
SAMPLES EXCEEDING 3/50, 4/100, 7/200, 13/500 etc																											

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0000004501

*Elizabeth Betty*

DATE	RAW WATER COLIFORMS (HFP)									NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	HFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	HFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM					REPEAT SAMPLES			INCUBATOR TEMP.	PLANKTON										
	A			B			C									1	2	3	4	5	12/11	12/13	12/14												
	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES																	AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.		
1																																			
2																																			
3														0	3	0	0	0									34.8								
4																																			
5																																			
6																																			
8																																			
9																																			
10														4.33	3	0		130									72	0	0			34.5			
11																																			
12														0	2			10	0														34.5		
13																																			
14																																			
15																																			
16																																			
17														0	6	0	0				10	0	0										34.5		
18	577																																		
19																																			
20																																			
21																																			
22																																			
24																																			
25																																			
26														0	2	0																		34.7	
27																																			
28																																			
29																																			
30																																			
31																																			
HFP MEDIA	BBL mEndo		BACTERIAL DENSITY	ARITH. MEAN		GEO. MEAN		CLW 0000004502					0.81	DIST. SYSTEM	TOTAL NO. SAMPLES					SAMPLES EXCEEDING 3/50, 4/100, 7/200, 13/500ml			16												
TPC MEDIA													1.17									1													

#37807

*Elizabeth A. Bety*

DATE	RAW WATER COLIFORMS (MFP)						NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM					INCUBATOR TEMP.			
	A		B		C								COLIFORMS (MFP)						REPEAT SAMPLES		
	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES							1	2	3	4	5		COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.
1																					
2																					
3										0	3	0	0	0					34.8		
4																					
5																					
8																					
9																					
10										0	3	0	0	0					34.5		
11																					
12																					
13																					
14																					
15																					
16																					
17										0	3	0	0	0					34.5		
18																					
19																					
20																					
21																					
22																					
24																					
25																					
26										0	↓	0							34.7		
27																					
28																					
29																					
30																					
31																					
MF MEDIA	BRI mEndo		BACTERIAL DENSITY	ARITH. MEAN						0	DIST. SYSTEM	TOTAL NO. SAMPLES					10				
TPC MEDIA				GEO. MEAN						10		SAMPLES EXCEEDING 3/50: 4/100 7/200. 13/500=					0				

CLW  
000004503

*Elizabeth A. Seif*

DATE	RAW WATER COLIFORMS (MFP)						NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM					INCUBATOR TEMP.			
	A		B		C								COLIFORMS (MFP)						REPEAT SAMPLES		
	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES							1	2	3	4	5		COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.
1																					
2																					
3										0.25	4	0	0	1	0			34.8			
4																					
5																					
8																					
9																					
10										0	4	0	0	0	0			34.5			
11																					
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13																					
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16																					
17										0	4	0	0		0	0		34.5			
18																					
19																					
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21																					
22																					
24																					
25																					
26										0	1					0		34.7			
27																					
28																					
29																					
30																					
31																					

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MF MEDIA	BBL mEndo	BACTERIAL DENSITY	ARITH. MEAN	458	DIST. SYSTEM	TOTAL NO. SAMPLES	13
TPC MEDIA			GEO. MEAN	100		SAMPLES EXCEEDING 3/50 (4/100) 7/200. 13/500=1	0

*Elyse K. Berg*



DATE	RAW WATER COLIFORMS (MFP)									NO. OF COLIFORMS PER 100 ml.	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	FINISHED	TOTAL PLATE COUNT	MFP COLIFORMS per 100 ml.	TOTAL PLATE COUNT	DISTRIBUTION SYSTEM					REPEAT SAMPLES			INCUBATOR TEMP.	PLANKTON		
	A			B			C										AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1	2	3	4	5	COLIFORMS per 100 ml.			COLIFORMS per 100 ml.	COLIFORMS per 100 ml.
	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES	VOLUME FILTERED ml.	TOTAL COLONIES	COLIFORM COLONIES										COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.					
1																												
2																												
3														0	2	0	0											34.8
4																												
5																												
6																												
7																												
8																												
9																												
10														0	2	0	0											34.5
11																												
12																												
13																												
14																												
15																												
16																												
17														0	1	0												34.5
18																												
19																												
20																												
21																												
22																												
23																												
24																												
25																												
26														0	1	0												34.7
27																												
28																												
29																												
30																												
31																												
MF MEDIA	BBL mEndo			BACTERIAL DENSITY	ARITH. MEAN								0	DIST. SYSTEM	TOTAL NO. SAMPLES								6					
TPC MEDIA				GEO. MEAN								1.0	SAMPLES EXCEEDING 3/50. (4/100) 7/200. 13/500 ml.								0							

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*Elizabethka Betz*  
8-Well 4087-0

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330.3 (REV. 6-84)

DATE COLLECTED

12/03/85

DATE OF ANALYSIS

12/03/85

PARAMETER	HADNOT POINT -041	CAMP JOHNSON -043	TARAWA TERRACE -044	ONSLOW BEACH -048	COURTHOUSE BAY -047	RIFLE RANGE -046	HOLCOMB BLVD -043	NEW RIVER -042		
PH (IN LAB NOT PLANT)	8.8	7.5	8.6	7.7	8.3	8.4	8.9	8.9		
PHENOLTHALEIN ALKALINITY	2	0	2	0	2	2	4	4		
METHYL ORANGE ALKALINITY	60	186	70	164	160	186	60	120		
CARBONATES AS CaCO <sub>3</sub>	4	0	4	0	4	4	8	8		
BICARBONATES AS CaCO <sub>3</sub>	56	186	66	164	156	182	52	112		
CHLORIDES AS Cl	8	12	16	16	14	32	10	38		
HARDNESS AS CaCO <sub>3</sub>	64	68	78	72	54	56	64	50		
IRON AS Fe	<0.04	0.38	0.07	0.33	0.07	0.06	<0.04	<0.04		
FLUORIDE	AM 1.27		0.84				0.99			
	PM 1.31	0.22	0.89	0.23	0.13	0.22	0.97	0.48		
CHLORINE RESIDUAL	1.0	1.3	1.0	1.0	1.4	1.0	0.9	0.8		
TURBIDITY	AM 0.1		0.3				0.4			
	PM 0.4	0.5	0.3	0.3	0.2	0.2	0.9	0.4		
TOTAL PHOSPHATE		1.21			0.51					
ORTHO PHOSPHATE		0.84			0.03					
META PHOSPHATE		0.37			0.48					
STABILITY	+0.3	-0.9	+0.1	-0.8	-0.2	-0.1	+0.4	+0.2		

REMARKS

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COPY TO:

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WATER TREATMENT

PMU  MCAS PMU

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.

LABORATORY ANALYSIS BY

B. Waddoups

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

DATE COLLECTED  
 12/10/85

DATE OF ANALYSIS  
 12/10/85

PARAMETER SERIAL # 04-67	HADNOT POINT -041	CAMP JOHNSON -043	TARAWA TERRACE -044	ONSLow BEACH -048	COURTHOUSE BAY -047	RIFLE RANGE -046	HOLCOMB BLVD -043	NEW RIVER -042		
PH (IN LAB NOT PLANT)	8.6	7.4	8.7	7.7	8.4	8.4	8.8	8.6		
PHENOLTHALEIN ALKALINITY	4	0	4	0	4	4	4	4		
METHYL ORANGE ALKALINITY	68	204	58	168	94	176	58	140		
CARBONATES AS CaCO <sub>3</sub>	8	0	8	0	8	8	8	8		
BICARBONATES AS CaCO <sub>3</sub>	60	204	50	168	86	168	50	132		
CHLORIDES AS Cl	10	38	26	20	18	50	10	40		
HARDNESS AS CaCO <sub>3</sub>	78	70	72	70	76	68	70	60		
IRON AS Fe	< 0.04	0.39	< 0.04	0.20	< 0.04	0.07	0.05	0.06		
FLUORIDE	Am 0.98 Pm 1.03	0.18	0.78 0.76	0.20	0.13	0.10	1.04 1.00	0.49		
CHLORINE RESIDUAL	1.2	1.2	1.0	-	1.3	1.0	0.9	0.9		
TURBIDITY	Am 0.2 Pm 0.3	0.5	0.3 0.2	0.2	0.3	0.3	0.3 0.5	0.3		
TOTAL PHOSPHATE		0.95			0.08					
ORTHO PHOSPHATE		0.80			0.0					
META PHOSPHATE		0.15			0.08					
STABILITY	+0.3	-0.9	+0.2	-0.6	+0.1	0.0	+0.5	-0.2		

REMARKS

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COPY TO:

- UTIL DIR  \_\_\_\_\_
- WATER TREATMENT
- PMU  MCAS PMU
- 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.

LABORATORY ANALYSIS BY

T. Barbee/H. Burns

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330.3 (REV 6-84)

DATE COLLECTED  
12/17/85

DATE OF ANALYSIS  
12/17/85

PARAMETER	HADNOT POINT -241	CAMP JOHNSON -242	TARAWA TERRACE -244	ONSLow BEACH -248	COURTHOUSE BAY -247	RIFLE RANGE -246	HOLCOMB BLVD -243	NEW RIVER -242		
PH (IN LAB NOT PLANT)	8.8	7.5	8.7	7.8	8.5	8.6	8.9	8.9		
PHENOLTHALEIN ALKALINITY	4	0	4	0	4	2	2	8		
METHYL ORANGE ALKALINITY	60	180	64	156	168	150	64	126		
CARBONATES AS CaCO <sub>3</sub>	8	0	8	0	8	4	4	16		
BICARBONATES AS CaCO <sub>3</sub>	52	180	56	156	160	146	60	110		
CHLORIDES AS Cl	10	30	20	18	18	30	14	46		
HARDNESS AS CaCO <sub>3</sub>	76	64	76	48	54	56	74	48		
IRON AS Fe	40.04	0.34	0.06	0.29	0.06	0.08	0.77	0.08		
FLUORIDE	Am 0.78 Pm 0.79	0.16	0.94 0.94	0.20	0.12	0.12	0.99 0.83	0.48		
CHLORINE RESIDUAL	1.1	1.4	1.0	1.5	1.6	1.0	0.9	0.8		
TURBIDITY	Am 0.3 Pm 0.8	0.8	0.4 0.3	0.3	0.2	0.3	0.2 16.2*	1.0		
TOTAL PHOSPHATE		2.09			0.07					
ORPHOSPHATE		0.76			0.00					
META PHOSPHATE		1.33			0.07					
STABILITY	+0.7	-0.8	+0.2	-0.6	+0.1	+0.2	+0.4	+0.4		

REMARKS

\*Holcomb Blvd repeat turbidity = 0.6

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COPY TO:

- UTIL DIR  \_\_\_\_\_
- WATER TREATMENT
- PMU  MCAS PMU

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.

LABORATORY ANALYSIS BY

H. Burns

( ) NHAD ( ) TTT

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330 3 (REV 6-84)

DATE COLLECTED

12/26/85

DATE OF ANALYSIS

12/26/85

PARAMETER	HADNOT POINT -041	CAMP JOHNSON -045	TARAWA TERRACE -044	ON SLOW BEACH -048	COURTHOUSE BAY -047	RIFLE RANGE -046	HOLGOMB BLVD -043	NEW RIVER -042 *		
PH (IN LAB NOT PLANT)	8.5	7.3	8.7	7.5	8.3	8.4	8.7			
PHENOLTHALEIN ALKALINITY	4	0	4	0	2	4	2			
METHYL ORANGE ALKALINITY	60	190	50	160	164	170	68			
CARBONATES AS CaCO <sub>3</sub>	8	0	8	0	4	8	4			
BICARBONATES AS CaCO <sub>3</sub>	52	190	42	160	160	162	64			
CHLORIDES AS Cl	12	30	20	20	20	24	14			
HARDNESS AS CaCO <sub>3</sub>	72	66	56	52	36	60	78			
IRON AS Fe	<0.04	0.31	<0.04	0.26	<0.04	0.06	0.09			
FLUORIDE	Am 0.74	0.26	1.23	0.22	0.14	0.10	1.08			
	Pm 0.89		1.33				1.10			
CHLORINE RESIDUAL	1.0	1.2	1.0	1.2	1.4	1.0	1.0			
TURBIDITY	Am 0.2	0.8	0.4	0.3	0.2	0.2	0.2			
	Pm 0.2		0.3				0.6			
TOTAL PHOSPHATE		1.55			0.06					
ORTHO PHOSPHATE		0.77			0.00					
META PHOSPHATE		0.78			0.06					
STABILITY	+0.2	-1.2	-0.1	-1.1	-0.4	-0.2	+0.6			

REMARKS

\*New River - No sample

CLW

0000004509

COPY TO:

UTIL DIR  \_\_\_\_\_

WATER TREATMENT

PMU  MCAS PMU

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.

LABORATORY ANALYSIS BY

H. Burns