

6280/1  
NREAD  
6 Sep 1984

From: Commanding General, Marine Corps Base, Camp Lejeune  
To: Commanding Officer, Naval Hospital, Camp Lejeune

Subj: WATER QUALITY MONITORING AND RELATED ENVIRONMENTAL HEALTH  
CONSIDERATIONS

Ref: (a) CG MCB CLNC Itr NREAD/DDS/th 11330/2 of 19 May 1983

Encl: (1) Weekly Chemical Analysis of Drinking Water  
(2) Weekly Bacteriological Analysis of Drinking Water  
(3) NRMC Ice Samples Bacteriological Analysis  
(4) Analysis of Complaints  
(5) Water Treatment Plant Filter Maintenance Check Samples

1. In accordance with the reference, enclosures (1) through (5) are forwarded for information.

2. Questions regarding this matter should be directed to Mr. Danny Sharpe, Supervisory Ecologist, extensions 2083/1690.

J. I. WOOTEN  
By direction

Blind copy to:  
SupvChem

CLW

0000004369

Writer: E. Betz, NREAD, 5977  
Typist: J. Cross, 5Sep84, 5003

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS  
 MCBCL 11330/3 (REV. 3-82)

7 Aug 1984

PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.7	7.6	8.6	7.4	8.5	8.1	8.8	8.7
PENOLTHALEIN ALKALINITY	4	0	2	0	4	0	2	12
METHYL ORANGE ALKALINITY	56	168	60	162	156	172	60	1.74
CARBONATES AS CaCO <sub>3</sub>	8	0	4	0	8	0	4	24
BICARBONATES AS CaCO <sub>3</sub>	48	168	56	162	148	172	56	150
CHLORIDES AS Cl	14	34	14	20	24	46	14	170
HARDNESS AS CaCO <sub>3</sub>	64	90	78	74	66	46	60	50
IRON AS Fe	0.06	0.68	0.06	0.22	0.04	0.11	0.04	0.04
FLUORIDE	AM PM 0.97 1.04	0.19	0.96 1.00	0.16	0.12	0.12	1.01 1.05	0.76
CHLORINE RESIDUAL	1.0	1.3	1.0	1.1	1.5	1.0	1.1	1.2
TURBIDITY	AM PM 0.4 0.7	1.57	0.5 0.6	0.3	0.3	0.5	0.3 0.3	0.8
TOTAL PHOSPHATE		3.30			0.73			
Ortho PHOSPHATE		1.46			0.16			
META PHOSPHATE		1.84			0.57			
STABILITY	+0.2	-0.7	+0.2	-1.0	-0.1	-0.5	+0.3	0.0

REMARKS

CLW

0000004310

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 *L. Schelle - Bourne* *Th Barber*

DATE OF ANALYSIS *7 Aug 1984*

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 3-82)

DATE COLLECTED  
14 AUG 84

PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	9.3	7.6	8.7	7.7	8.3	8.1	8.8	8.8
PENOLTHALEIN ALKALINITY	6	0	2	0	2	0	4	8
METHYL ORANGE ALKALINITY	46	184	50	160	152	176	56	180
CARBONATES AS CaCO <sub>3</sub>	12	0	4	0	4	0	8	16
BICARBONATES AS CaCO <sub>3</sub>	34	184	46	160	148	176	48	164
CHLORIDES AS Cl	14	30	10	20	14	48	10	190
HARDNESS AS CaCO <sub>3</sub>	56	74	68	50	70	72	70	50
IRON AS Fe	0.04	0.49	0.04	0.09	0.06	0.04	0.04	0.04
FLUORIDE	AM / PM 1.02 / 1.05	0.20	0.96 / 1.00	0.21	0.14	0.13	0.95 / 0.96	0.82
CHLORINE RESIDUAL	1.1	1.2	1.0	1.6	1.3	1.1	1.0	1.3
TURBIDITY	AM / PM 0.9 / 1.0	1.52	0.2 / 0.72	0.6	0.3	0.4	0.2 / 0.2	0.70
TOTAL PHOSPHATE		2.80			1.35			
ORTHO PHOSPHATE		1.17			0.22			
META PHOSPHATE		1.63			1.13			
STABILITY	+ 0.8	- 0.6	+ 0.4	- 0.6	0.0	- 0.1	+ 0.3	0.0

REMARKS

CLW

0000004371

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  
BURNS

*Handwritten signature*

DATE OF ANALYSIS  
14 AUG 84

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS  
 MCBCL 11330/3 (REV. 3-82)

UTI D. REC.

DATE COLLECTED  
 8/21/84

PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
PH	8.7	7.4	8.5	7.5	8.6	8.3	8.7	8.7	
PENOLTHALEIN ALKALINITY	4	0	4	0	4	0	4	10	
METHYL ORANGE ALKALINITY	60	190	66	160	140	176	70	200	
CARBONATES AS CaCO <sub>3</sub>	8	0	8	0	8	0	8	20	
BICARBONATES AS CaCO <sub>3</sub>	52	190	58	160	132	176	62	180	
CHLORIDES AS Cl	10	40	16	24	20	50	12	180	
HARDNESS AS CaCO <sub>3</sub>	60	80	90	64	54	78	64	60	
IRON AS Fe	20.04	1.52	20.04	0.12	20.04	20.04	20.04	20.04	
FLUORIDE	<del>A.M. 1.03</del> <del>P.M. 1.05</del>	0.16	<del>0.96</del> <del>1.00</del>	0.17	0.11	0.11	<del>1.11</del> <del>1.02</del>	0.92	
CHLORINE RESIDUAL	1.0	1.4	1.0	1.5	1.6	1.0	1.0	1.4	
TURBIDITY	<del>A.M. 0.50</del> <del>P.M. 0.80</del>	2.9	<del>0.30</del> <del>0.70</del>	0.30	0.40	0.40	<del>0.30</del> <del>0.30</del>	0.60	
TOTAL PHOSPHATE		2.05			1.30				
PO PHOSPHATE		1.46			0.35				
META PHOSPHATE		0.59			0.95				
STABILITY	+0.5	-0.7	+0.3	-0.7	+0.2	0.0	+0.5	+0.1	
REMARKS									

CLW

000004372

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  
 BIVENS & LACHAPPELLE

DATE OF ANALYSIS  
 8/21/84

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS  
 MCBCL 11330/3 (REV. 3-82)

FILE  
 DATE COLLECTED  
 28 Aug 1984

PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
PH	8.8	7.4	8.4	7.4	8.4	8.1	8.9	8.7	
PENOLTHALEIN ALKALINITY	4	0	2	0	6	3	6	12	
METHYL ORANGE ALKALINITY	60	190	74	160	164	184	60	214	
CARBONATES AS CaCO <sub>3</sub>	8	0	4	0	12	6	12	24	
BICARBONATES AS CaCO <sub>3</sub>	52	190	70	160	152	178	48	190	104
CHLORIDES AS Cl	14	42	14	24	18	52	16	184	
HARDNESS AS CaCO <sub>3</sub>	70	78	96	62	58	70	62	60	134
IRON AS Fe	0.04	0.52	0.04	0.14	0.04	0.15	0.04	0.04	
FLUORIDE	1.09 1.06	0.16	1.11	0.15	0.11	0.11	0.67 1.07	0.93	
CHLORINE RESIDUAL	1.0	1.3	1.0	1.3	1.3	1.1	0.9	1.2	
TURBIDITY	0.4 0.5	1.5	0.2 0.6	0.2	0.4	0.6	0.2 0.2	0.6	
TOTAL PHOSPHATE		2.80			1.26				
ORTHO PHOSPHATE		1.10			0.35				
META PHOSPHATE		1.70			0.91				
STABILITY	+0.5	-0.7	+0.2	-0.7	0.0	+0.2	+0.6	+0.2	

REMARKS: *MP Total = 2.5*  
*Ortho = 0.6*

CLW  
 0000004373

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  
*Lachelle + Burns*

DATE OF ANALYSIS  
 28 Aug 1984

FILE

DATE COLLECTED

8/7/84

REPORTABLE POINTS FOR SDWA

WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR - 3	1	φ	1.0	1100	MCAS - 3502	24	φ	0.5	1000	TIME RECEIVED 1230-1345
RR - 15	2		0.8	1120	MCAS - 2002	25		0.6	1025	DATE RECEIVED 8/7/84
RR - 2	3		1.0	1115	MCAS - 4157	26		0.6	0950	ACCEPTED BY 13.2.5
	4				MCAS - 2082	27		0.5	0925	DATE ANALYZED 8/7/84
A-1	5		0.6	0920		28				ANALYSIS STARTED 1250
BB - 7	6		1.0	0905	NRMC - Food Service	29		0.7	1110	ANALYSIS FINISHED 1400
BB - 49	7		0.8	0915	PP - 2615	30		0.5	1045	INCUBATOR TEMP 35.2
BB - 245	8		1.4	0910	PP - 2600	31		0.6	1055	PROCESSED BY 13.2.5
	9				BM - 5400	32		0.6	1120	
BA - 103	10		0.5	1008	BM - 1485	33		0.5	1125	CUSTODY DATA
BA - 101	11		0.5	1015	LCH - 4022	34		0.4	1210	DATE
	12				LCH - 4002	35		0.2	1220	TIME
TT - 38	13		1.0	0930		36				SIGNATURE
TT - 43	14		1.0	0945	H - 1 WARD 12 B	37		0.6	1030	DATE
TT - 2107	15		0.9	1015	H - 18	38		0.5	1035	TIME
	16				FC - 303	39		1.0	0935	SIGNATURE
CK - 1405	17		0.9	1030	FC - 420	40		1.0	0945	
M - 139	18		1.2	1120	FC - 540	41		0.9	0950	COPY TO:
M - 19	19		1.1	1145	HP - 236	42		0.8	1020	<input type="checkbox"/> UTIL DIR
	20				HP - 540	43	↓	0.8	0925	<input type="checkbox"/> WATER TREATMENT
CG - 1	21		0.5	0845	HP - 1300	44		0.8	0915	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	↓	0.5	0830	HP - 20	45	φ	0.9	1015	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - 812	23	φ	0.5	0840		46				<input type="checkbox"/> _____

REMARKS

# 33 Filter Nod Coliform Method

CLW

SIGNATURE

162. Burns

0000004314

8/8/84

000004375

CLW

MCRCL 11330/4 (A)

REMARKS

WATER SAMPLES	MARKED	COLIFORM COUNT	M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		0.2				0950
FC-19		0.4				1005
5H-8		1.5				1000
TT Pool		0.9			7.8	0955
M.P. POOL		1.3			7.2	1130
#2 POOL		0.5			7.4	1020
#5 POOL		0.8			7.7	0925
P. P. POOL		0.5			7.4	1045
P. P. BABY POOL		0.4			7.4	1045
MCA5 E-POOL		0.4			7.4	1030
MCA5 O-POOL		0.5			7.3	1045
MCA5 BABY POOL		0.5			7.3	1100
12150-1300						0915
10050-1000						

φ

φ

NON-REPORTABLE

BACTERIOLOGICAL ANALYSIS OF WATER

8-7-84

REPORTABLE POINTS FOR SDWA

WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR-3	1	0	1.0	1438	MCAS-3502	24	0	0.2	0910	TIME RECEIVED 1308-1515
RR-15	2	0	0.9	1436	MCAS-2002	25	0	0.8	0920	DATE RECEIVED 8-14-84
RR-6	3	0	1.0	1431	MCAS-4157	26	0	0.5	0900	ACCEPTED BY THB
	4				MCAS-1214	27	0	0.8	0940	DATE ANALYZED 8-14-84
	5	0	0.9	1330		28				ANALYSIS STARTED 1330-1518
BB-7	6	0	1.2	0830	NRMC-FOOD SER.	29	0	0.8	1200	ANALYSIS FINISHED 1405-1537
BB-49	7	0	1.2	1125	PP-2615	30		0.5	1130	INCUBATOR TEMP 26.2-C
BB-	8				PP-2609	31		0.5	1123	PROCESSED BY THB
BB31	9	0	1.0	1120	BM-5400	32		0.4	1215	
BA-103	10	0	0.7	1200	BM-5746	33		0.5	1226	CUSTODY DATA
BA-106	11	0	0.6	1230	LCH-4022	34		0.5	1245	DATE
	12				LCH-4000	35		0.5	1300	TIME
TT-38	13	0	1.0	0900		36				SIGNATURE
TT-43	14	0	1.0	0915	H-1	37	0	0.5	1116	DATE
TT-2465	15	0	0.9	0945	H-23	38		0.4	1111	TIME
	16				FC-303	39		0.8	1007	SIGNATURE
CK-1103	17	0	0.6	1015	FC-420	40		0.8	1000	
M-139	18	0	1.2	1050	FC-NEW E-CLUB	41		0.8	0952	COPY TO:
M-424	19	0	1.1	1100	HP-236	42		0.5	1055	<input type="checkbox"/> UTIL DIR
	20				HP-540	43		0.6	0935	<input type="checkbox"/> WATER TREATMENT
CG-1	21	0	0.2	0850	HP-1300	44		0.4	0916	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC-830	22	0	1.2	0840	HP-1211	45		0.5	0900	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC-501	23	0	1.0	0830		46	CLW			<input type="checkbox"/>

REMARKS

0000004376

SIGNATURE

Thomas H. Barber



8-14-84

BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		∅	0.8		0815
FC-19		∅	0.8		1035
SH-8		∅	0.7		1020
TT-POOL		∅	0.3	7.0	0950
M.P. POOL *		3	1.1	7.8	1045
#2 POOL		∅	0.5	7.4	1050
#5 POOL		∅	0.8	7.2	0942
P. P. POOL		∅	0.6	7.6	1136
P. P. BABY POOL		∅	0.6	7.6	1140
MCAS E-POOL		∅	0.8	7.4	0945
MCAS O-POOL		∅	0.8	7.6	0930
MCAS BABY POOL		EMPTY			
ICE SAMPLE		∅			0849

REMARKS

\* MP-POOL TNTC NON-CALIFORM COLONIES

MCBCL 11339/4 (A)

CLW

0000004377

BACTERIOLOGICAL ANALYSIS OF WATER  
MCBCL 11330/4 (REV. 7-83)

DATE COLLECTED  
21 AUG 84

REPORTABLE POINTS FOR SDWA

WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR - 3	1	Ø	0.9	0950	MCAS - 3502	24	Ø	0.3	1010	TIME RECEIVED
RR - 15	2	I	0.9	0945	MCAS - 2002	25	I	0.8	1030	DATE RECEIVED
RR - 10	3	I	0.9	1000	MCAS - 4157	26	I	0.4	0952	ACCEPTED BY
	4				MCAS - N.O.Q. 2077	27	I	1.0	1045	DATE ANALYZED 21 AUG 84
	5	Ø	1.0	0900		28				ANALYSIS STARTED
BB - 7	6	I	1.3	0805	NRMC - FOOD SERVICE	29	Ø	1.0	1115	ANALYSIS FINISHED
BB - 49	7	I	1.2	0815	PP - 2615	30	I	0.8	1100	INCUBATOR TEMP 35°C
BB - 245	8	I	1.3	0825	PP - 2600	31	I	0.9	1105	PROCESSED BY HUMAYUN T
	9				BM - 5400	32		0.7	1130	
BA - 103	10	Ø	0.8	1100	BM - 1985	33		0.7	1120	CUSTODY DATA
BA - 101	11	I	0.8	1115	LCH - 4022	34	I	0.7	1230	DATE
	12				LCH - 4003	35	I	0.9	1235	TIME
TT - 38	13	Ø	1.0	0848		36				SIGNATURE
TT - 43	14	I	1.0	0910	H - 1 WARD 12 B	37	Ø	1.0	1030	DATE
3325	15	I	0.9	0930	H - 18	38	I	1.0	1035	TIME
	16				FC - 303	39		1.0	0920	SIGNATURE
CK - 1212	17	Ø	0.8	1000	FC - 420	40	I	1.1	0930	
M - 139	18	I	1.3	1045	FC - 540	41	I	1.1	0935	COPY TO:
M - 128	19	I	1.2	1100	HP - 236	42	I	0.8	1020	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43	I	0.9	0910	<input type="checkbox"/> WATER TREATMENT
CG - 1	21	Ø	0.3	0935	HP - 1300	44	I	0.8	0850	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	I	1.5	0918	HP - 20	45	I	0.8	1010	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - 702	23	I	1.2	0903		46	CLW			<input type="checkbox"/>

REMARKS  
Numerous non-coliform colonies

0000004378

SIGNATURE  
*[Signature]* 8/22/84

8/21/84

## BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		∅	0.5		085
FC-19		* ∅	0.2		095
SH-8		X ∅	0.2		094
T.T. POOL		X ∅	0.8	7.6	091
M.P. POOL		∅	1.2	7.3	103
#2 POOL		∅	0.8	7.5	102
#5 POOL		∅	0.7	7.4	0915
P. P. POOL		∅	0.6	7.2	110
P. P. BABY POOL		∅	0.6	7.2	1100
MCAS E-POOL		∅	0.8	7.4	112
MCAS O-POOL		∅	1.0	7.2	110
MCAS BABY POOL		∅	1.0	7.2	1111
BLDG. 1300		∅			085
ICE SAMPLE					

## REMARKS

\* NUMEROUS NON-COLIFORM COLONIES

CLW

0000004379

MCE 11339/4 (A)

BACTERIOLOGICAL ANALYSIS OF WATER  
MCBCL 11330/4 (REV. 7-83)

Fix

DATE COLLECTED

8-28-84

REPORTABLE POINTS FOR SDWA

WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MF/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR - 3	1	φ	0.8	1010	MCAS - 3502	24	φ	0.4	0125	TIME RECEIVED 1209
RR - 15	2		0.8	0959	MCAS - 2002	25		0.7	0937	DATE RECEIVED 8/28/84
RR - 72	3		0.7	0950	MCAS - 1280	26		1.0	1010	ACCEPTED BY Burns
	4				MCAS - 205	27		1.0	1022	DATE ANALYZED 8/28/84
	5		0.9	0900		28				ANALYSIS STARTED 1230
BB - 7	6		1.0	0840	NRMC - Food Service	29		0.9	1115	ANALYSIS FINISHED 1400
BB - 49	7		1.0	0830	PP - 2615	30		0.5	1100	INCUBATOR TEMP 35°
BB - 15	8		1.0	0820	PP - 2600	31		0.7	1106	PROCESSED BY Burns
	9				BM - 5400	32		0.9	1130	
BA - 103	10		1.1	1045	BM - 1985	33		0.9	1125	CUSTODY DATA
BA - 101	11		1.1	1050	LCH - 4022	34		0.5	1151	DATE
	12				LCH - 4000	35		0.7	1144	TIME
TT - 38	13	✓	1.0	0900		36				SIGNATURE
TT - 43	14	φ	1.2	0930	H-1 WARD 12-A	37		0.8	1045	DATE
TT - 2518	15	(1)	1.0	0940	H - 16	38		0.7	1040	TIME
	16				FC - 303	39		1.0	0920	SIGNATURE
CK - 1214	17	φ	0.9	1015	FC - 420	40		1.0	0925	
M - 139	18		1.1	1100	FC - 540	41		1.2	0930	COPY TO:
M - 231	19		1.2	1030	HP - 236	42		0.9	1025	<input type="checkbox"/> UTIL DIR
	20				HP - 540	43		0.8	0910	<input type="checkbox"/> WATER TREATMENT
CG - 1	21		0.5	0830	HP - 1300	44	✓	0.5	0841	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	✓	0.9	0910	HP - 20	45	φ	0.9	1030	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - 501	23	φ	1.0	0900		46	CLW			<input type="checkbox"/>

REMARKS

TT 2518 #15 Numerous New-Cook-Form

0000004380

SIGNATURE

H. J. Burns

8/29/84

8-28-89

BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		∅	0.2		0845
FC-19			2+		1000
SH-8			0.2		0950
T.T. POOL			0.5	7.2	0915
M.P. POOL			1.3	7.0	1130
#2 POOL			0.6	7.3	1030
#5 POOL			1.5	7.4	0910
P. P. POOL			1.5	7.2	1055
P. P. BABY POOL			1.5	7.2	1058
MCAS E-POOL			0.5	7.5	0820
MCAS O-POOL			0.9	7.3	0850
MCAS BABY POOL		NO WATER IN POOL			
BLDG 1300		∅			0841
ICE SAMPLE					

REMARKS

SH-8 NUMEROUS NON-COLIFORM

MCBCL 11320/4 (A)

CLW

000000438P

QUALITY CONTROL LABORATORY REPORT  
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

*File*

MCBCL 11290/8 (REV. 4/78)

WATER TYPE *potable* SAMPLE COLLECTED BY *W.P.O* DATE COLLECTED *29 Aug 84*

LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
<i>TT 2518</i>	<i>8/29/84</i>	<i>∅</i>	
<i>TT 2518</i>	<i>8/30/84</i>	<i>∅</i>	

REMARKS  
*Rec 1327 8/29/84 J*  
*Rec. 1045 8/30/84 B*

*1315 CL1.0*  
*2518*

SIGNATURE *[Signature]* DATE *8/31/84*

- COPY TO
- NREAD
  - UTILITIES DIRECTOR
  - WATER TREATMENT PLANT (GENERAL FOREMAN)
  - BASE PREVENTIVE MEDICINE
  - MCAS PREVENTIVE MEDICINE

*CLW*

0000004382

QUALITY CONTROL LABORATORY REPORT  
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/6 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED	
		TOTAL	FECAL
1CE	SJ DOCKHAM	14 AUG 84	
LOCATION	MARKED	COLIFORM	
L&D		Ø	
2W	OUT OF ORDER		
2E		Ø	
3E		Ø	
3W		Ø	
CCU	OUT OF ORDER		
1CU		Ø	
4W		Ø	
4A		Ø	
ER		Ø	
RECOVERY ROOM		Ø	
NURSELY		Ø	
COLLECTED 1000			

REMARKS

CLW  
 0000004383

SIGNATURE Barber DATE 3/15/84

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)
- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE

QUALITY CONTROL LABORATORY REPORT  
MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

File

MCBCL 11320/8 (REV. 4/78)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
T.T. POTABLE		MORTON/WTP		8/8/84	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
3107 1215	ch 0.8	0			

REMARKS Recd LAB - 1315 8/8/84

CLW

0000004384

SIGNATURE *[Signature]* DATE 8/9/84

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)
- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS  
 MCBCL 11330/3 (REV. 3-82)

(3107 COMPLAINT)

DATE COLLECTED  
 8/8/84

PARAMETER	HADNOT POINT	MONTFORD POINT	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH			8.5					
PENOLTHALEIN ALKALINITY			2					
METHYL ORANGE ALKALINITY			60					
CARBONATES AS CaCO <sub>3</sub>			4					
BICARBONATES AS CaCO <sub>3</sub>			56					
CHLORIDES AS Cl			10					
HARDNESS AS CaCO <sub>3</sub>			78					
IRON AS Fe								
FLUORIDE			0.97					
CHLORINE RESIDUAL			0.9					
TURBIDITY	1.40		1.40					
TOTAL PHOSPHATE								
ORTHO PHOSPHATE								
META PHOSPHATE								
STABILITY								

REMARKS

CLW

0000004385

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

*A. Jones*

DATE OF ANALYSIS

8/8/84

QUALITY CONTROL LABORATORY REPORT  
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER  
 MCBCL 11330/8 (REV. 4/78)

*File*

WATER TYPE <i>POTABLE</i>	SAMPLE COLLECTED BY <i>W T P</i>	DATE COLLECTED <i>8/16/84</i>			
		LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL		
<i>KNOX 1203</i>		<i>ϕ</i>			

REMARKS

*CLW*  
 0000004386

SIGNATURE

DATE *8/18/84*

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)
- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE

QUALITY CONTROL LABORATORY REPORT  
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11230/8 (REV. 4/78)

*File*

WATER TYPE FILTER	SAMPLE COLLECTED BY WTP		DATE COLLECTED 2 AUGUST 84	
LOCATION	MARKED	COLIFORM		
		TOTAL	FECAL	
BLDG. 20	Ch 1.0	Ø		

REMARKS

CLW  
 0000004387

SIGNATURE *H. J. Burns* DATE 3 AUGUST 84

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)
- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE

QUALITY CONTROL LABORATORY REPORT  
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER  
 MCBCL 11830/8 (REV. 4/78)

File

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED	
		8/27/84	
LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
Bldg 20	#1 Filter	0	
	#5 Filter	0	

REMARKS

Rec 0918 8/27 J Bldg. 20 #1 FILTER

Rec 1310 8/27 J #5 FILTER 1255 Bld 20

SIGNATURE H. J. [Signature] DATE 8/28/84

COPY TO

NREAD  BASE PREVENTIVE MEDICINE

UTILITIES DIRECTOR  MCAS PREVENTIVE MEDICINE

WATER TREATMENT PLANT (GENERAL FOREMAN)  \_\_\_\_\_ CLW

0000004388