

green

11330/1
NREAD
5 Mar 1985

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

Subj: WATER QUALITY MONITORING AND RELATED ENVIRONMENTAL HEALTH
CONSIDERATIONS

Ref: (a) CG MCB CLNC ltr 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) Weekly Naval Hospital Ice Samples Bacteriological
Analysis
 - (4) Bacteriological Analysis of Midway Park Water Laterals
 - (5) Analysis of Complaints

1. In accordance with the reference, enclosures (1) through (5) are forwarded for information.
2. Questions regarding this matter should be forwarded to Mr. Danny Sharpe, Supervisory Ecologist, extensions 2083 or 5003.

J. I. WOOTEN
By direction

Blind copy to:
SupvChemist

CLW
0000004584

Writer: E. Betz, NREAD 5977
Typist: J. Cross, 5Mar85

WATER TREATMENT PLANTS

DATE COLLECTED

5 FEB 85

DATE OF ANALYSIS

5 FEB 85

PARAMETER	HAINOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.9	7.7	8.9	7.6	8.4	8.3	8.4	8.6
PHENOLTHALEIN ALKALINITY	6	0	6	0	8	6	6	14
METHYL ORANGE ALKALINITY	64	198	46	168	192	166	98	192
CARBONATES AS CaCO ₃	12	0	12	0	16	12	12	28
BICARBONATES AS CaCO ₃	52	198	34	168	176	154	86	164
CHLORIDES AS Cl	10	38	10	22	20	16	10	162
HARDNESS AS CaCO ₃	62	200	60	56	66	48	90	64
IRON AS Fe	MACHINE DOWN FOR CONSTRUCTION							
FLUORIDE AM/PM	1.15/1.11	0.17	1.02/1.09	0.18	0.11	0.10	0.85/0.82	0.77
CHLORINE RESIDUAL	1.1	1.3	1.0	1.6	1.4	1.0	1.0	1.6
TURBIDITY AM/PM	0.3/0.2	1.0	0.2/0.9	0.3	0.3	0.3	1.1/0.6	0.2
TOTAL PHOSPHATE		1.00			0.92			
ORTHO PHOSPHATE		0.66			0.16			
META PHOSPHATE		0.34			0.76			
STABILITY	+0.6	-0.3	+0.6	-0.6	+0.1	0	+0.2	+0.2

REMARKS

O.B. POND pH = 8.1

CLW

0000004585

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

Barbara [Signature]

2/12/85

2/12/85

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	9.0	7.3	8.8	7.4	8.3	8.3	8.6	8.2
PHENOLTHALEIN ALKALINITY	8	0	4	0	2	2	4	0
METHYL ORANGE ALKALINITY	50	196	52	160	150	150	70	200
CARBONATES AS CaCO ₃	16	0	8	0	4	4	8	0
BICARBONATES AS CaCO ₃	34	196	44	160	146	146	62	200
CHLORIDES AS Cl	10	50	10	20	16	18	14	160
HARDNESS AS CaCO ₃	60	68	82	62	56	56	74	84
IRON AS Fe	<0.04	0.51	0.06	0.20	0.09	0.06	<0.04	0.09
FLUORIDE	0.96 0.93	0.17	0.16 0.83	0.17	0.12	0.09	0.73 0.72	0.70
CHLORINE RESIDUAL	1.2	1.2	1.0	1.2	1.5	1.0	1.0	1.1
TURBIDITY	0.20 0.20	0.50	6.6 0.40	0.30	0.70	0.30	0.40 0.30	0.40
TOTAL PHOSPHATE		1.30			1.26			
ORTHO PHOSPHATE		1.00			0.25			
META PHOSPHATE		0.30			1.01			
STABILITY	+0.4	-0.8	+0.6	-0.9	0.0	+0.1	+0.3	0.0

REMARKS

CLW

0000004586

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

B. J. Burns

CHEMICAL ANALYSIS WATER TREATMENT PLANTS

DATE SAMPLED
19 Feb 55

PLANT NO.
19 Feb 55

PARAMETER	HADNOT POINT	CAMP JOHNSON	TAHAWA TERRACE	ONELOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.7	7.6	8.8	7.6	8.6	8.4	8.9	9.1
PHENOLTHALEIN ALKALINITY	10	0	6	0	10	8	10	26
METHYL ORANGE ALKALINITY	20	190	56	164	172	164	56	170
CARBONATES AS CaCO ₃	20	0	12	0	20	16	20	52
BICARBONATES AS CaCO ₃	0	190	44	164	152	148	36	118
CHLORIDES AS Cl	12	42	12	22	22	22	16	160
HARDNESS AS CaCO ₃	76	86	80	70	70	60	68	60
IRON AS Fe	40.04	0.57	40.04	0.14	0.09	0.07	0.06	40.04
FLUORIDE	AM / PM 0.91 / 0.88	0.16	1.00 / 1.04	0.16	0.11	0.09	0.96 / 0.88	0.70
CHLORINE RESIDUAL	1.1	1.2	1.0	1.3	1.3	1.0	0.9	1.3
TURBIDITY	AM / PM 0.3 / 0.3	0.4	0.2 / 0.2	0.3	0.3	0.2	0.3 / 0.5	2.3
TOTAL PHOSPHATE		2.05			1.68			
ORTHO PHOSPHATE		1.13			0.25			
META PHOSPHATE		0.92			1.43			
STABILITY	+0.2	-0.4	+0.3	-0.6	+0.3	+0.1	+0.3	+0.3

REMARKS

CLW

0000004587

COPY TO:

UTIL DIR

WATER TREATMENT

PMU MCAS PMU

BREAD 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

[Signature]

26 FEB 85

26 FEB 85

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMP BLVD	NEW RIVER
PH	8.8	7.4	8.8	7.5	8.4	8.3	8.8	8.5
PHENOLTHALEIN ALKALINITY	4	0	4	0	6	2	6	4
METHYL ORANGE ALKALINITY	44	190	54	160	148	158	60	180
CARBONATES AS CaCO ₃	8	0	8	0	12	4	12	8
BICARBONATES AS CaCO ₃	36	190	46	160	136	154	48	172
CHLORIDES AS Cl	10	36	8	14	18	12	16	186
HARDNESS AS CaCO ₃	56	80	74	60	60	60	60	64
IRON AS Fe	<0.04	<0.04	0.74	0.10	<0.04	<0.04	<0.04	<0.04
FLUORIDE AM/PM	1.07/1.01	0.17	1.10/1.08	0.117	0.112	0.110	1.11/1.02	0.82
CHLORINE RESIDUAL	1.0	1.3	1.0	1.5	1.4	1.0	1.0	1.3
TURBIDITY AM/PM	0.4/0.5	1.2	0.2/0.3	0.2	0.2	0.2	0.3/0.4	0.4
TOTAL PHOSPHATE		1.54			1.84			
ORTHO PHOSPHATE		0.90			0.19			
META PHOSPHATE		0.64			1.65			
STABILITY	+0.2	-0.8	+0.2	-0.8	0	-0.2	+0.1	-0.1

REMARKS

OB POND PH = 8.2

CLW

0000004588

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

Barbee

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	0.6	0900	MCAS - 3502	24	0	0.4	0945	TIME RECEIVED 1250
RR - 15	2		0.8	0915	MCAS - 2002	25		0.5	1000	DATE RECEIVED 2/26/85
RR - 6	3		0.8	0930	MCAS - 4157	26		1.0	0935	ACCEPTED BY Burns
	4				MCAS - EM-1252	27		0.9	1010	DATE ANALYZED 2/26/85
A-1	5		1.0	0945		28				ANALYSIS STARTED 1205
BB - 7	6		0.9	1010	NRMC - Food Service	29		0.9	1150	ANALYSIS FINISHED 1425
BB - 49	7		1.0	1020	PP - 2615	30		0.6	1135	INCUBATOR TEMP 36.0°C
BB - 9	8		0.9	1030	PP - 2613	31		0.5	1140	PROCESSED BY K. A. H. PELLE
	9				BM - 5400	32		0.5	1155	
BA - 103	10		0.9	1135	BM - 825	33		0.5	1205	CUSTODY DATA
BA - 101	11		0.8	1150	LCH - 4022	34		0.5	1220	DATE
	12				LCH - 4003	35		0.8	1230	TIME
TT - 36	13		1.0	0900		36				SIGNATURE
TT - 43	14		0.9	0915	H - 1 Ward 12A	37		0.8	1115	DATE
TT - 2465	15		0.9	1000	H - 23	38		1.0	1120	TIME
	16				FC - 303	39		1.0	0940	SIGNATURE
CK - 1304	17		0.5	1030	FC - 420	40		1.1	0950	
M - 139	18		1.1	1045	FC - 400	41		0.9	0955	COPY TO:
M - 131	19		1.2	1100	HP - 236	42		1.0	0855	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43		1.0	0905	<input type="checkbox"/> WATER TREATMENT
CG - 1	21		0.3	0925	HP - 1400 1400	44		0.8	0920	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22		1.5	0914	HP - 400	45	0	1.1	0930	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - GC-650	23	0	0.8	0905		46				<input type="checkbox"/>

REMARKS

CLW

SIGNATURE

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BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		Ø	1.2		1045
FC-19					
SH-8		Ø	0.9		1015
M.P. POOL		Ø	0.7	7.9	1040
#2 POOL		Closed			
#5 POOL		Ø	0.6	7.8	0905
P. P. POOL					
P. P. BABY POOL					
MCAS E-POOL					
MCAS O-POOL					
MCAS BABY POOL					

REMARKS

CLW
0000004590

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	1000	MCAS - 3502	24	0	0.4		TIME RECEIVED 1230
RR - 15	2		0.9	1010	MCAS - 2002	25		0.9		DATE RECEIVED 2-5-85
RR - 10	3		0.9	1020	MCAS - 4157	26		0.3		ACCEPTED BY Burns
	4				MCAS - 2043	27		1.0		DATE ANALYZED 2-5-85
A-1	5		1.0	0910		28				ANALYSIS STARTED 1235
BB - 7	6		1.0	0835	NRMC - Food Service	29		0.9		ANALYSIS FINISHED 1415
BB - 26.5	7		0.9	0820	PP - 2615	30		0.6		INCUBATOR TEMP 75°
BB - 24.5	8		0.9	0820	PP - 2617	31		0.9		PROCESSED BY Burns
	9				BM - 5400	32		1.0		
BA - 103	10		1.0	1130	BM - 825	33		0.7		CUSTODY DATA
BA - 101	11		1.0	1145	LCH - 4022	34		0.8		DATE
	12				LCH - 4025	35		0.8		TIME
TT - 38	13		1.0	0900		36				SIGNATURE
TT - 43	14		0.9	0915	H - 1 12A	37		0.7		DATE
TT - 1110	15		0.8	0945	H - 23	38		0.7		TIME
	16				FC - 303	39		1.0		SIGNATURE
CK - 1110	17		0.9	1000	FC - 420	40		0.8		
M - 139	18		1.2	1030	FC - 425	41		0.8		COPY TO:
M - 19	19		1.2	1045	HP - 236	42		1.0		<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43		1.0		<input type="checkbox"/> WATER TREATMENT
CG - 1	21		0.3	0930	HP - 1200 1400	44		1.1		<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22		1.5	0915	HP - 1005	45		1.0		<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - 6-650	23		1.0	0855		46				CLW

REMARKS

SIGNATURE 0000004591

6 FEB 85 H Burns

BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		Ø	1.5		0850
FC-19					
SH-8		Ø	0.8		1015
M.P. POOL		Ø	1.5	7.9	1500
#2 POOL		Ø	0.8	7.6	0850
#5 POOL		Ø	0.9	7.8	0930
P. P. POOL					
P. P. BABY POOL					
MCAS E-POOL					
MCAS O-POOL					
MCAS BABY POOL					

REMARKS

MCBCL 11338/4 1A)

CLW
0000004592

REPORTABLE POINTS FOR SDWA

WATER SAMPLES	MARKED	COLIFORM MP/100 ML	RESIDUAL CHLORINE	TIME	WATER SAMPLES	MARKED	COLIFORM MP/100 ML	RESIDUAL CHLORINE	TIME	LABORATORY DATA
RR-3	1	0	0.8	1110	MCAS - 3502	24	0	0.3	0930	TIME RECEIVED 12-30-131
RR-15	2	0	0.9	1115	MCAS - 2002	25	0	0.4	0940	DATE RECEIVED 12 FEB 85
RR-10	3	0	0.8	1120	MCAS - 4157	26	0	0.3	0920	ACCEPTED BY T, J, T.B
	4				MCAS EN-1285	27	0	0.5	0950	DATE ANALYZED 12-2-85
A-1	5	0	0.8	0915		28				ANALYSIS STARTED 1240
BB-7	6	0	1.0	0830	NRMC - FOOD SERVICE	29	0	0.9	1045	ANALYSIS FINISHED 1400
BB-49	7	0	0.9	0845	PP - 2615	30	0	0.8	1030	INCUBATOR TEMP
BB-245	8	0	0.8	0850	PP - 2600	31	0	0.8	1035	PROCESSED BY T.B
	9				BM - 5400	32	0	1.0	1055	
BA-103	10	0	1.0	1010	BM - 1985	33	0	1.0	1105	CUSTODY DATA
BA-102	11	0	1.0	1020	LCH - 4022	34	0	0.7	1115	DATE
	12				LCH - 4000	35	0	0.8	1120	TIME
TT-38	13	0	1.0	0845		36				SIGNATURE
TT-43	14	0	0.9	0900	H-1 WARD 12	37	0	1.2	1010	DATE
TT-2119	15	0	0.9	0920	H-16	38	0	1.2	1015	TIME
	16				FC - 303	39	0	1.2	0925	SIGNATURE
CK-1610	17	0	0.8	1000	FC - 420	40	0	1.2	0915	
M-139	18	0	1.2	1030	FC - 540	41	0	1.2	0910	COPY TO:
M-424	19	0	1.1	1100	HP - 236	42	CLOS ED			<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43	0	0.8	0900	<input type="checkbox"/> WATER TREATMENT
CG-1	21	0	0.3	0910	HP - 1300	44	0	1.0	0840	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC-830	22	0	0.8	0900	HP - 1407	45	0	1.0	0845	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC-5-1652	23	0*	0.6	0845		46				<input type="checkbox"/>

REMARKS
 * NUMEROUS NON-COLIFORM COLONIES
 FEW NON-COLIFORM COLONIES

CLW

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SIGNATURE
 Thomas A. [Signature]

000004594

CLW

MCBCL 11338/4 (A)

* *Nitrosomonas* Non-coliform & Nitrites

REMARKS

WATER SAMPLES	MARKED	COLIFORM COUNT	M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		0*		0.9		0900
FC-19						
SH-8		0*		1.2		0940
M.P. POOL		0*		0.5	7.6	1045
#2 POOL						
#5 POOL		0		0.5	7.6	0900
P. P. POOL						
P. P. BABY POOL						
MCAS E-POOL						
MCAS O-POOL						
MCAS BABY POOL						

BACTERIOLOGICAL ANALYSIS OF WATER NON-REPORTABLE

2/19/85

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	∅	0.7	1130	MCAS - 3502	24	∅	0.4	0920	TIME RECEIVED 1210 - 1340
RR - 15	2	∅	0.6	1125	MCAS - 2002	25	∅	0.8	0930	DATE RECEIVED 2/19/85
RR - 13	3	∅	0.5	1140	MCAS - 4157	26	∅	0.4	0910	ACCEPTED BY 13 JANS
	4	∅			MCAS - 2053	27	∅	0.4	0948	DATE ANALYZED 2/19/85
A-1	5	∅	1.0	1100		28	∅			ANALYSIS STARTED 1210
BB - 7	6	∅	1.0	0910	NRMC FOOD SERVICE	29	∅	0.7	1050	ANALYSIS FINISHED 1420
BB - 49	7	∅	0.8	0900	PP - 2615	30	∅	0.7	1035	INCUBATOR TEMP 35
BB - 31	8	∅	0.7	0930	PP - 2600	31	∅	0.7	1040	PROCESSED BY 13 JANS
	9	∅			BM - 5400	32	∅	0.7	1100	
BA - 103	10	∅	0.8	1200	BM - 1985	33	∅	0.6	1105	CUSTODY DATA
BA - 101	11	∅	0.8	1215	LCH - 4022	34	∅	0.7	1115	DATE
	12	∅			LCH - 4014	35	∅	0.7	1120	TIME
TT - 38	13	∅	1.0	0845		36	∅			SIGNATURE
TT - 43	14	∅	1.0	0900	H - 1 WARD 12 - B	37	∅	1.2	1020	DATE
TT - 3309	15	∅	0.9	0920	H - 16	38	∅	1.0	1025	TIME
	16	∅			FC - 303	39	∅	1.2	0920	SIGNATURE
CK - 1000	17	∅	0.8	1010	FC - 420	40	∅	1.2	0930	
M - 139	18	∅	1.2	1045	FC - 540	41	∅	1.2	0935	COPY TO:
M - 231	19	∅	1.1	1100	HP - 238	42	∅	1.0	1010	<input checked="" type="checkbox"/> UTIL DIR
	20	∅			HP - 540	43	∅	1.0	0910	<input type="checkbox"/> WATER TREATMENT
CG - 1	21	∅	0.3	0900	HP - 1900 1400	44	∅	1.0	0900	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	∅	1.0	0850	HP - 20	45	∅	1.0	1000	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - G-650	23	∅	0.8	0836		46	∅			<input type="checkbox"/>

REMARKS

CLW

SIGNATURE

0000004595

H.A. Burns 2/20/85

0000004596

CLW

MCRCL 113874 (A)

REMARKS

WATER SAMPLES	MARKED	COLIFORM COUNT	M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97			NO WATER			
FC-19						
5H-8			φ	0.8		6945
M.P. POOL			φ	0.5	7.9	1045
#2 POOL			CLOSED			
#5 POOL			φ	0.7	7.7	0910
P. P. POOL						
P. P. BABY POOL						
MCAS E-POOL						
MCAS O-POOL						
MCAS BABY POOL						

NON-REPORTABLE

BACTERIOLOGICAL ANALYSIS OF WATER

QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

Fiber

MSBCL 11220/6 (REV. 4/78)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
<i>potable</i>		<i>Hughes</i>		<i>4 Feb 85</i>	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
<i>Midway Park 113</i>	<i>Time 1306 Cl₂ 0.6</i>	<i>0</i>			
<i>427</i>	<i>1314 0.6</i>	<i>0</i>			
<i>807</i>	<i>1332 0.6</i>	<i>0</i>			
<i>809</i>	<i>1325 0.6</i>	<i>0</i>			
REPORTED TO P.W. (GREG. FITZPATRICK)					

REMARKS

Rec 1428 2/4/85 L

*427 Midway Cl₂ 0.6
1:14 P.M.
2/1/85
Hend Hughes*

*113 Midway Cl₂ 0.6
2-45-85
1:06 P.M.
Hend Hughes*

*807 Midway Cl₂ 0.6
1:32 P.M.
4/2/85
Hend Hughes*

*809 Midway
2/4/85 Cl₂ 0.6
1:25 P.M.
Hend Hughes*

SIGNATURE

H. J. Burns

DATE

5 Feb 85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE
-

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

File

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED
<i>Table</i>		<i>Rick Hughes</i>		<i>2/7/85</i>
LOCATION	MARKED	COLIFORM		
		TOTAL	FECAL	
<i>Midway Park</i>	<i>801</i>	<i>0</i>		
	<i>805</i>	<i>0</i>		
	<i>809</i>	<i>0</i>		
	<i>Rico Lab 1115</i>	<i>2/7/85</i>		

REMARKS

Called Public Works - NO ANSWER
801 Midway Cl-4 2-7-85 10:50 A.M. Rick Hughes
805 Midway Cl-4 2-7-85 10:55 A.M. Rick Hughes
809 Midway Cl-4 2-7-85 10:59 A.M. Rick Hughes

SIGNATURE *H. J. Bume* DATE *2/8/85*

COPY TO

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

CLW

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QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/8 (REV. 4/79)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
Potable		R. W. ...		11 Feb 85	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
Tray 909	Ch 0.6	0			
	T. ...	0			
806	Ch 0.8	0			
	T. ...	0			
908	Ch 0.8	0			
	T. ...	0			
912	Ch 0.8	0			
	T. ...	0			

REMARKS

Called 12/12/85 1530 No Answer

SIGNATURE

[Signature]

DATE

12/12/85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE

CLW

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QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER
 MCBCL 11230/1 (REV. 4/78)

WATER TYPE: MIDWAY FARM SAMPLE COLLECTED BY: RANDY COSTA PUBLIC WORKS DATE COLLECTED: 21 FEB 1985

LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
MIDWAY FARM 771		0 	
777			
774			
784			
780			
757			
778			
775	Cl. 0.6		
779			
758			
776			
772			
766			
762			
753			
REMARKS	755		

SAMPLES COLLECTED BETWEEN 0830-1100
 Cl₂ BETWEEN 0.4-0.6 mg/L WHERE NOT REPORTED
 SAMPLES RECEIVED 1100 BY ELBERT
 SAMPLES RUN: 1115-1145 BY HUNGICUIT

Called 5006 at 1300 2/22/85

SIGNATURE: Thomas Hungicuit DATE: 22 Feb 85

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

CLW
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QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11230/8 (REV. 4/78)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
Municipal		Ken Hughes Public Works		21 Feb 1985	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
711	Cl. 0.6	∅			
715	Cl. 0.6	∅			
752		1			
733	Cl. 0.1	∅			
740	Cl. 0.4				
722	Cl. 0.6				
756					
751					
754					
702	Cl. 0.6				
730	Cl. 0.4				
728	Cl. 0.4				
725	Cl. 0.6				
721	Cl. 0.4				
710	Cl. 0.6				

REMARKS

SAMPLES COLLECTED BETWEEN 0830-1100
 Cl. BETWEEN 0.4-0.6 MPN/L WERE NOT REPORTED

SAMPLES RECEIVED 1100 BY E.B.J.

SAMPLES RUN: 1115-1145 BY HUNEXCITE

* #752 also had 10 non-coliform Colonies.

SIGNATURE

[Handwritten Signature]

DATE

22 Feb 85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE
- _____

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QUALITY CONTROL LABORATORY REPORT
MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11830/8 (REV. 4/78)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
MISCELLANEOUS PARK		KEN HUNEMUTZ PUBLIC WORKS		21 FEB 1985	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
716	CL 0.1	⊕ 			
719	CL 0.1				
700	CL 0.1				
732	CL 0.1				
731	CL 0.1				

REMARKS
 SAMPLES COLLECTED BETWEEN 0830-1100
 SAMPLES RECEIVED 1100 BY ECP
 SAMPLES RUN 1115-1145 BY HUNEMUTZ

SIGNATURE: *[Handwritten Signature]* DATE: 22 Feb 85

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

CLW

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FILE

WATER TYPE: MIDWAY TAP SAMPLE COLLECTED BY: LARRY ADAMS DATE COLLECTED: 22 FEB 1985

LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
MIDWAY TAP IC 639		0	
		0	
		0	

REMARKS
 SAMPLES COLLECTED FROM 0830-1100
 CHLORINE RESIDUALS FROM 04-06 PM
 SAMPLES RECEIVED: 1115 Edgett - 1-1-85
 SAMPLES RUN 1115-1145

SIGNATURE: Th Barber DATE: 2-23-85

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

CLW

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QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER
 MCBCL 11835 (REV. 4/78)

FILE

WATER TYPE	SAMPLE COLLECTED BY		DATE COLLECTED	
Municipal	LARRY ADAMS		22 Feb 1985	
LOCATION	MARKED	COLIFORM		
		TOTAL	FECAL	
624		0		
635		0		
633		0		
911		0		
777		0		
638		0		
632		0		
634		0		
630		0		
637		0		
626		0		
910		0		
636		0		
631		0		
625		0		

REMARKS

SAMPLES COLLECTED FROM 0830-1100
 (MISCELLANEOUS) FROM 04 J.G.P.M.
 SAMPLES RECEIVED 1115. EGG/2/7/85
 SAMPLES RUN 1115-1145

SIGNATURE

H. B. ...

DATE

2-23-85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE
- PUBLIC WORK

CLW

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FILE

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
Municipal Water		KEN H. CLINE		22 FEB 1985	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
739		0			
726		0			
724		0			
743		0			
712		0			
744		0			
742		0			
763		0			
746		0			
723		0			
747		0			
749		0			
773		0			
741		0			

REMARKS

SAMPLES COLLECTED FROM 0830-1100
 CHEMICAL RESIDUES FROM 0.2-0.4 ppm
 SAMPLES RECEIVED 1115 FROM 2/22/85
 SAMPLES RUN 1115 -

SIGNATURE

T. Barber

DATE

2-23-85

COPY TO

NREAD

UTILITIES DIRECTOR

WATER TREATMENT PLANT (GENERAL FOREMAN)

BASE PREVENTIVE MEDICINE

MCAS PREVENTIVE MEDICINE

PUBLIC WORKS

CLW

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QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER
 MCBCL 112807 (REV. 4/78)

FILE

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
Midway Park		Ken Hughes		22 Feb 1985	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
Midway Park 722		0			
720		0			
704		0			
715		0			
745		0			
736		0			
709		0			
735		0			
734		0			
717		0			
729		0			
738		0			
713		0			
706		0			
759		0			

REMARKS
 SAMPLES COLLECTED 0830-1100
 CLUING BETWEEN 02:04 PM
 SAMPLES RECEIVED 1115 2/27/85 EES
 SAMPLES RUN 1115

SIGNATURE Th. Barber DATE 2-23-85

COPY TO

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

CLW
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QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

FILE

MCBCL 11389/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED BY		DATE COLLECTED	
Potable	K. Hughes		2-22-85	
LOCATION	MARKED	COLIFORM		
		TOTAL	FECAL	
Midway Park	748	0		
	750	0		
	750L	0		
	760	0		
	768	0		
	770	0		
	800	0		
	802	1		
	803	0		
	804	0		
	808	0		
	900	4		
	901	0		
	903	0		
	904	0		

REMARKS

See 1330 2-22-85 Z
 SAMPLES COLLECTED 1100-1530
 CHLORINE BETWEEN 0.2-0.6 ppm

SIGNATURE

Th Barber

DATE

2-23-85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE
- PUBLIC WORKS

CLW

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

FILE

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED	
		2-22-85	
LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
Midway Park	905	0	
	906	0	
	907	0	

REMARKS
Re 1330 2-22-85
SAMPLES COLLECTED 1100-1330
CHLORINE BETWEEN 0.2-0.6 ppm

SIGNATURE M. Barber DATE 2-23-85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE
- PUBLIC WORKS

CLW

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12

QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

FILE

MCBCL 11289/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED BY		DATE COLLECTED
POTABLE	JEN HUGHES		2-23-85
LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
MIDWAY PARK	802	φ	
	900	φ	

REMARKS
 RESAMPLES
 Rec'd lab. @ 1433 by THB. - 2-23-85

SIGNATURE: *[Handwritten Signature]* DATE: 24 Feb 85

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

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QUALITY CONTROL LABORATORY REPORT
MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER
MCBCL 11890/8 (REV. 4/78)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
LOCATION		MARKED		COLIFORM	
Potable				2/26/85	
				TOTAL	FECAL
Midway Park	622	Time 1400		0	
		Clk 0.8		0	
	624	Time 1404		0	
		Clk 0.8		0	
	625	Time 1401		0	
		Clk 0.8		0	
	623	Time 1411		0	
		Clk 0.8		0	

REMARKS
D. 1430 2/26/85
Called 1448 2/26/85 to measure

SIGNATURE Robert J. Luchelle DATE 2-26-85

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

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14

QUALITY CONTROL LABORATORY REPORT
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER
 MCHL 11826/8 (REV. 4/78)

WATER TYPE <i>Drinking</i>	SAMPLE COLLECTED BY <i>R. Hughes</i>		DATE COLLECTED <i>2-25-85</i>	
LOCATION	MARKED	COLIFORM		
		TOTAL	FECAL	
<i>Industry Park</i>	<i>752</i>	<i>0</i>		
	<i>802</i>	<i>0</i>		
	<i>900</i>	<i>0</i>		

REMARKS
Resamples
see 0950 2/25/85 L
Called 1443, no answer
2/26/85

SIGNATURE *Robert H. Schaeffer* DATE *2-26-85*

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

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FILE

QUALITY CONTROL LABORATORY REPORT
MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

SMCBCL 11220/8 (REV. 4/78)

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
POTABLE		KEN HUGHES		2/26/85	
LOCATION	MARKED	COLIFORM			
		TOTAL	FECAL		
Midway dock	600	0			
	602	0			
	616	0			
	618	0			
	620	0			
602 Cl ₂ - .8 2-26-85 2:25 K.H.		602 Cl ₂ - .8 2-26-85 2:30 K.H.			
618 Cl ₂ - .8 2-26-85 2:13 P.M. K.H.					
620 Cl ₂ - .8 2-26-85 1:10 K.H.					

REMARKS

Rec'd Lab 1500 2/26/85
1505 2/26/85 B

616 Cl₂ - .8
2-26-85
2:16
K.H.

REPORTED TO KEN HUGHES

SIGNATURE

H. J. Burns

DATE

2/27/85

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)

- BASE PREVENTIVE MEDICINE
- MCAS PREVENTIVE MEDICINE
-

CLW

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