6288
NREAD
26 Feb 87

Mr. Paul Wilms, Director
Division of Environmental Management
NC Department of Natural Resources
and Community Development
Post Office Box 27687
Raleigh, North Carolina 27611

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, two copies of Discharge Monitoring Reports (DMRs) for the month of January 1987 are submitted.

The Hadnot Point Wastewater Treatment Plant did not meet their Biochemical Oxygen Demand (BOD) percent removal requirement for the month. The actual BOD percent removal was 83% instead of the required minimum of 85%. The 83% BOD removal is attributed to a malfunctioning bearing in one of the trickling filters which has subsequently been repaired.

The Tarawa Terrace Wastewater Treatment Plant did not meet BOD average effluent or percent removal requirement for the month. The actual BOD average effluent was 35 mg/L instead of the required maximum of 30 mg/L. The actual percent removal for BOD was 80% instead of the required minimum of 85%. A bearing in the trickling filter system malfunctioned during the first part of December 1986 which decreased plant efficiency and hindered filter growth. A new bearing was installed 20 January 1987 and filter growth is beginning to return to normal.

The Camp Johnson and the Rifle Range Wastewater Treatment Plants did not meet their BOD percent removal requirement for the month. Camp Johnson's BOD percent removal was only 82%. The Rifle Range's BOD percent removal was only 84%. The BOD loading was low in both plants causing reduced plant efficiency.

There is no river data for the month of January 1987 because the laboratory's boat was out of service due to repairs.

6288
NREAD

Questions regarding this report should be forwarded to Ms. Elizabeth Betz, Supervisory Chemist, Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities at (919) 451-5977.

Sincerely,

J. I. WOOTEN
Director, Natural Resources Division
By direction of the Commanding General

Encls:
(1) DEM Forms MR-1, MR-2 & MR-3 (2 copies)

Copy to:
EPA Region IV
CMDR LANTNAVFACENGCOM
NEESA

Blind copy ~~Betz~~ / Krianski
ECML, NREAD (2)
BMO (1)

Writer/Typist
Date Typed 26 Feb 87
Word Processor Number 6288-L

Writer/Typist [illegible]

Date Typed [illegible]

Word Processor Number [illegible]

11331
NREAD
FEB 06 1987

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 January 1987. 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 Environmental Chemistry and Microbiology Laboratory, located in the Natural Resources and Environmental Affairs Division, Assistant Chief of Staff, Facilities. Ms. Betz, Supervisory Chemist, Environmental Chemistry and Microbiology Laboratory, telephone (919) 451-5977, is the point of contact in this matter.

Sincerely,

JULIAN I. WOOTEN
Director

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

Copy to:
LANTNAVFACENGCOM (Code 114)

Blind copy to:
BMO (Attn: Util Dir)
Supvy Chem (2)

Writer/Typist Betz/Gruanocki
Date Typed 6 Feb 87
Word Processor Number WS/11331

FEB 06 1987

Month JANUARY

Year 1987

WATER TREATMENT PLANT AT

Contaminant Code:

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Serial # 04-67-041

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.
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MF MEDIA			BBL mEndo			DACTERIAL DENSITY		ARITH. MEAN								0	DIST. SYSTEM	TOTAL NO. SAMPLES						
TPC MEDIA								GEO. MEAN								10		SAMPLES EXCEEDING 3/50	4/100	7/200	13/			

LAB ID# 37307

Elizabeth O. Bell

B Weil

40

Month JANUARY WATER TREATMENT PLANT AT Stump Sound

Year 1987

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Contaminant Code:

Serial # 04-67-042

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLE: COLIFORMS per 100 ml.	REPEAT SAMPLE: COLIFORMS per 100 ml.
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TPC MEDIA								GEO. MEAN								1.0		SAMPLES EXCEEDING 3/50 4/100 7/200 13/						

LAB ID # 37307

Elizabeth A Berg

B Weec

4

Month JANUARY Treatment Plant or Sample Point WATER TREATMENT PLANT

Year 1987

Contaminant Code:

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Serial # 04-67-043

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS
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TPC MEDIA								GEO. MEAN								40		SAMPLES EXCEEDING 3/50, 4/100, 7/200, 13/2							

LAB ID # 37807

Elizabeth A. Berg B. Weil

40

Month JANUARY — WATER TREATMENT PLANT NO. [illegible]

Year 1987

Contaminant Code:

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Serial # 04-67-04

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS
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LAB ID # 37807

Elizabeth A. Bf

B Lyell

40

Month JANUARY Year 1987

WATER TREATMENT PLANT AT Stump Sound

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Contaminant Code:

Serial # 04-67-045

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	COLIFORMS (MFP): NO. OF SAMPLES EXAMINED	COLIFORMS (MFP) 1: COLIFORMS per 100 ml.	COLIFORMS (MFP) 2: COLIFORMS per 100 ml.	COLIFORMS (MFP) 3: COLIFORMS per 100 ml.	COLIFORMS (MFP) 4: COLIFORMS per 100 ml.	COLIFORMS (MFP) 5: COLIFORMS per 100 ml.	REPEAT SAMPLE: COLIFORMS per 100 ml.	REPEAT SAMPLE: COLIFORMS per 100 ml.
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LAB LS # 37307

Elizabeth O Bell, B.Lab

4

Month JANUARY _____ WATER TREATMENT PLANT OF _____

Year 1987

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Contaminant Code:

Serial # 04-67-046

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS per 100 ml.
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LMS ID # 357807

Elizabeth A Belt

B. Ward

40

Month JANUARY — COURTHOUSE BAY — WATER TREATMENT PLANT AT Camp Lejeune — Method Code:

Year 1987

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Contaminant Code:

Serial # 04-67-047

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS
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TPC MEDIA								GEO. MEAN								10		SAMPLES EXCEEDING 3/50	4/100	7/200	13/5				40

LAB ID # 33307

Elizabeth A Betz — B WELC

Month JANUARY Water Treatment Plant at [illegible]

Year 1987

Contaminant Code:

REPORT OF BACTERIOLOGICAL RESULTS TO DIVISION OF HEALTH SERVICES

N. C. DEPARTMENT OF HUMAN RESOURCES

Serial # 04-67-048

DATE	RAW WATER COLIFORMS (MFP) A: VOLUME FILTERED ml.	A: TOTAL COLONIES	A: COLIFORM COLONIES	B: VOLUME FILTERED ml.	B: TOTAL COLONIES	B: COLIFORM COLONIES	C: VOLUME FILTERED ml.	C: TOTAL COLONIES	C: COLIFORM COLONIES	NO. OF COLIFORMS PER 100 ml.	FILTERED: TOTAL PLATE COUNT	FILTERED: MFP COLIFORMS per 100 ml.	FINISHED: TOTAL PLATE COUNT	FINISHED: MFP COLIFORMS per 100 ml.	DISTRIBUTION SYSTEM: TOTAL PLATE COUNT	COLIFORMS (MFP): AVE. COLIFORMS per 100 ml.	NO. OF SAMPLES EXAMINED	1: COLIFORMS per 100 ml.	2: COLIFORMS per 100 ml.	3: COLIFORMS per 100 ml.	4: COLIFORMS per 100 ml.	5: COLIFORMS per 100 ml.	REPEAT SAMPLES: COLIFORMS per 100 ml.	COLIFORMS per 100 ml.	COLIFORMS
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TPC MEDIA								GEO. MEAN								1.0		SAMPLES EXCEEDING 3/50. 4/100. 7/200. 13/5							

403 ID H 38307

Elizabeth O. Betz B. Ivell 40

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

DATE COLLECTED 1-6-87

DATE OF ANALYSIS 1 6-87

PARAMETER SERIAL# 0467	HADNOT POINT -041	CAMP JOHNSON -045	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	7.7	8.7	7.4	7.8	8.1	8.9	8.7		
PHENOLTHALEIN ALKALINITY	4	0	2	0	0	0	4	6		
METHYL ORANGE ALKALINITY	82	186	52	162	160	154	56	152		
CARBONATES AS $CaCO_3$	8	0	4	0	0	0	8	12		
BICARBONATES AS $CaCO_3$	74	186	48	162	160	154	48	140		
CHLORIDES AS C1	12	14	16	24	24	46	16	66		
HARDNESS AS $CaCO_3$	88	54	58	52	58	48	64	58		
IRON AS Fe	< 0.04	0.18	< 0.04	0.12	< 0.04	< 0.04	< 0.04	< 0.04		
FLUORIDE AM	0.18	0.15	NO SAMPLE	0.16	0.12	0.11	0.92	0.56		
FLUORIDE PM	0.29		0.96				0.97			
CHLORINE RESIDUAL	0.7	1.2	1.0	1.3	1.3	1.0	1.2	0.9		
TURBIDITY AM	1.3	0.3	NO SAMPLE	0.5	0.5	0.2	0.1	0.1		
TURBIDITY PM	0.7		0.5				0.2			
TOTAL PHOSPHATE		1.8								
ORTHO PHOSPHATE		0.9								
META PHOSPHATE		0.9								
STABILITY	+0.1	-0.6	0.0	-0.6	-0.4	-0.2	+0.1	-0.1		

REMARKS

COPY TO

- ☑ UTIL DIR ☐
- ☑ WATER TREATMENT
- ☑ PMU ☑ MCAS
- ☐ NBEAD ☑ 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
L. LANE AND C. SHORES

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

DATE COLLECTED 1-13-87

DATE OF ANALYSIS 1-13-87

PARAMETER SERIAL#04-67	HADNOT POINT -041	CAMP JOHNSON -045	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	8.4	7.3	7.7	8.0	8.5	8.5		
PHENOLTHALEIN ALKALINITY	4	0	4	0	0	0	4	6		
METHYL ORANGE ALKALINITY	54	178	50	162	184	164	56	148		
CARBONATES AS $CaCO_3$	8	0	8	0	0	0	8	12		
BICARBONATES AS $CaCO_3$	46	178	42	162	184	164	48	136		
CHLORIDES AS Cl	10	12	14	20	14	50	16	60		
HARDNESS AS $CaCO_3$	62	64	80	110	64	62	64	46		
IRON AS Fe	<0.04	0.21	<0.04	0.22	<0.04	<0.04	<0.04	0.06		
FLUORIDE Am	0.85		0.77				0.90			
FLUORIDE pm	0.88	0.17	0.76	0.15	0.11	0.11	0.93	0.56		
CHLORINE RESIDUAL	1.0	1.5	1.0	1.0	1.5	1.1	0.9	0.9		
TURBIDITY Am	0.1		0.2				0.1			
TURBIDITY pm	0.2	0.1	0.4	0.1	0.1	0.1	0.2	0.1		
TOTAL PHOSPHATE		2.2								
ORTHO PHOSPHATE		1.0								
META PHOSPHATE		1.2								
STABILITY	+0.1	-0.5	0.0	-0.5	-0.3	-0.1	+0.1	0.0		

REMARKS

COPY TO

☑ UTIL DIR ☐

☑ WATER TREATMENT

☑ PMO ☑ MCAS

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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 AND L. LANE

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

DATE COLLECTED 1-20-87

DATE OF ANALYSIS 1-20-

PARAMETER SERIAL# 04-67	HADNOT POINT -041	CAMP JOHNSON -045	TARAWA TERRACE -044	ONSLOW BEACH -048	COURTHOUSE BAY -047	RIFLE RANGE -046	HOLCOMB BLVD -043	NEW RIVER -042		
PH (IN LAB NOT PLANT)	8.1	7.5	9.1	7.4	8.1	8.3	8.7	8.8		
PHENOLTHALEIN ALKALINITY	0	0	8	0	0	4	4	8		
METHYL ORANGE ALKALINITY	54	186	44	160	184	160	52	176		
CARBONATES AS $CaCO_3$	0	0	16	0	0	8	8	16		
BICARBONATES AS $CaCO_3$	54	186	28	160	184	152	44	160		
CHLORIDES AS Cl	12	10	16	18	18	54	14	72		
HARDNESS AS $CaCO_3$	62	54	68	160	54	60	60	56		
IRON AS Fe	<0.04	0.18	<0.04	0.29	<0.04	<0.04	<0.04	<0.04		
FLUORIDE Am	0.77		0.60				0.84			
FLUORIDE PM	0.86	0.12	0.43	0.11	0.09	0.08	0.84	0.58		
CHLORINE RESIDUAL	1.0	1.0	1.1	1.1	1.4	1.0	0.8	0.8		
TURBIDITY Am	0.2		0.3				0.3			
TURBIDITY PM	0.3	1.5	1.5	0.5	0.4	0.1	0.2	0.2		
TOTAL PHOSPHATE		2.2								
ORTHO PHOSPHATE		1.0								
META PHOSPHATE		1.2								
STABILITY	-0.4	-0.6	+0.9	-0.5	-0.2	0.0	+0.2	+0.1		

REMARKS

COPY TO

☑ UTIL DIR ☐

☑ WATER TREATMENT

☑ PMU ☑ MCAS F

☐ NHEAD ☑ 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 AND L. LANE

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

DATE COLLECTED 1-27-87 | DATE OF ANALYSIS 1-27-

PARAMETER SERIAL# 04-67	HADNOT POINT -041	CAMP JOHNSON -045	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	7.6	8.9	7.6	8.2	8.1	NO SAMPLE	8.8		
PHENOLTHALEIN ALKALINITY	6	0	6	0	0	0	—	12		
METHYL ORANGE ALKALINITY	52	174	42	158	182	162	—	150		
CARBONATES AS $CaCO_3$	12	0	12	0	0	0	—	24		
BICARBONATES AS $CaCO_3$	40	174	30	158	182	162	—	126		
CHLORIDES AS C1	14	16	18	30	20	56	—	64		
HARDNESS AS $CaCO_3$	58	64	78	48	52	54	—	58		
IRON AS Fe	—	INSTRUMENT		DOWN	—	—	—	—		
FLUORIDE Am	0.99	0.17	0.81	0.15	0.12	0.11	—	0.57		
FLUORIDE PM	1.07		0.77							
CHLORINE RESIDUAL	0.9	1.4	1.0	1.6	1.5	1.0	—	0.7		
TURBIDITY Am	0.9	1.5	0.6	0.4	0.3	0.3	—	1.0		
TURBIDITY PM	0.6		0.9							
TOTAL PHOSPHATE		3.33								
ORTHO PHOSPHATE		1.21								
META PHOSPHATE		2.12								
STABILITY	+0.6	-0.5	+0.9	-0.5	0.0	-0.1	—	+0.2		

REMARKS

COPY TO
- ☑ UTIL DIR ☐
- ☑ WATER TREATMENT
- ☑ PMO ☑ MCAS P
- ☐ INHEAD ☑ 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
L. LANE AND H. BURNS