

11330/2  
NREAD  
4 Dec 1984

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) Naval Hospital Ice Samples Bacteriological Analysis  
(4) Check Samples from 30 Oct 1984 Weekly Bacteriological  
Analysis  
(5) Analysis of Complaints  
(6) Water Plant Maintenance Check Samples  
(7) Bacteriological Analysis of Midway Park Water Laterals

1. In accordance with the reference, enclosures (1) through (7)  
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:  
SupvChem

CONFIDENTIAL

- (1) ...
- (2) ...
- (3) ...
- (4) ...
- (5) ...
- (6) ...
- (7) ...
- (8) ...
- (9) ...
- (10) ...

CONFIDENTIAL

CONFIDENTIAL

CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11/30/3 (REV. 6-84)

DATE COLLECTED

11/6/84

DATE OF ANALYSIS

11/6/84

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.8	7.3	8.6	7.4	8.4	8.3	8.6	8.7
PHENOLTHALEIN ALKALINITY	4	0	4	0	2	2	4	12
METHYL ORANGE ALKALINITY	54	200	56	150	150	140	60	210
CARBONATES AS CaCO <sub>3</sub>	8	0	8	0	4	4	8	24
BICARBONATES AS CaCO <sub>3</sub>	46	200	48	150	146	136	52	186
CHLORIDES AS Cl	10	40	10	18	14	14	10	84
HARDNESS AS CaCO <sub>3</sub>	64	80	84	52	58	56	64	46
IRON AS Fe	<0.04	0.75	0.07	1.0	<0.04	<0.04	<0.04	<0.04
FLUORIDE	<del>1.01</del> 1.07	0.17	<del>1.05</del> 1.08	0.17	0.12	0.10	<del>1.23</del> 1.23	0.97
CHLORINE RESIDUAL	0.9	1.2	1.0	1.5	1.4	1.0	0.9	1.3
TURBIDITY	<del>0.20</del> 0.27	1.43	<del>2.6</del> 4.36	0.24	0.27	0.30	<del>0.20</del> 0.25	0.74
TOTAL PHOSPHATE		3.45			1.00			
ORTHOPHOSPHATE		1.24			0.25			
META PHOSPHATE		2.21			0.75			
STABILITY	+0.4	-0.8	+0.3	-0.7	+0.2	0.0	+0.3	+0.1

REMARKS

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

BURNS & LACAPELLE



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

13 NOV 84

DATE OF ANALYSIS

13 NOV 84

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER
PH	8.7	7.2	9.1	7.5	8.5	8.2	8.5	8.8
PHENOLTHALEIN ALKALINITY	6	0	10	0	4	0	4	20
METHYL ORANGE ALKALINITY	60	190	40	150	160	170	60	230
CARBONATES AS CaCO <sub>3</sub>	12	0	20	0	8	0	8	40
BICARBONATES AS CaCO <sub>3</sub>	48	190	20	150	152	170	52	190
CHLORIDES AS Cl	10	54	10	16	12	20	10	94
HARDNESS AS CaCO <sub>3</sub>	60	86	66	56	58	62	68	44
IRON AS Fe	<0.04	0.61	<0.04	0.15	<0.08	<0.04	<0.04	<0.04
FLUORIDE	<del>0.94</del> 0.80	0.12	<del>0.91</del> 0.84	0.12	0.08	0.07	<del>1.00</del> 0.87	0.92
CHLORINE RESIDUAL	1.0	1.4	1.0	1.1	1.4	0.8	1.1	1.6
TURBIDITY	<del>0.34</del> 0.59	1.00	<del>0.25</del> 0.52	0.45	0.31	0.27	<del>0.20</del> 0.27	0.33
TOTAL PHOSPHATE		2.05			1.04			
ORTHO PHOSPHATE		0.84			0.22			
META PHOSPHATE		1.21			0.82			
STABILITY	+0.4	-0.8	+0.8	-0.7	+0.2	0.0	+0.2	+0.2

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

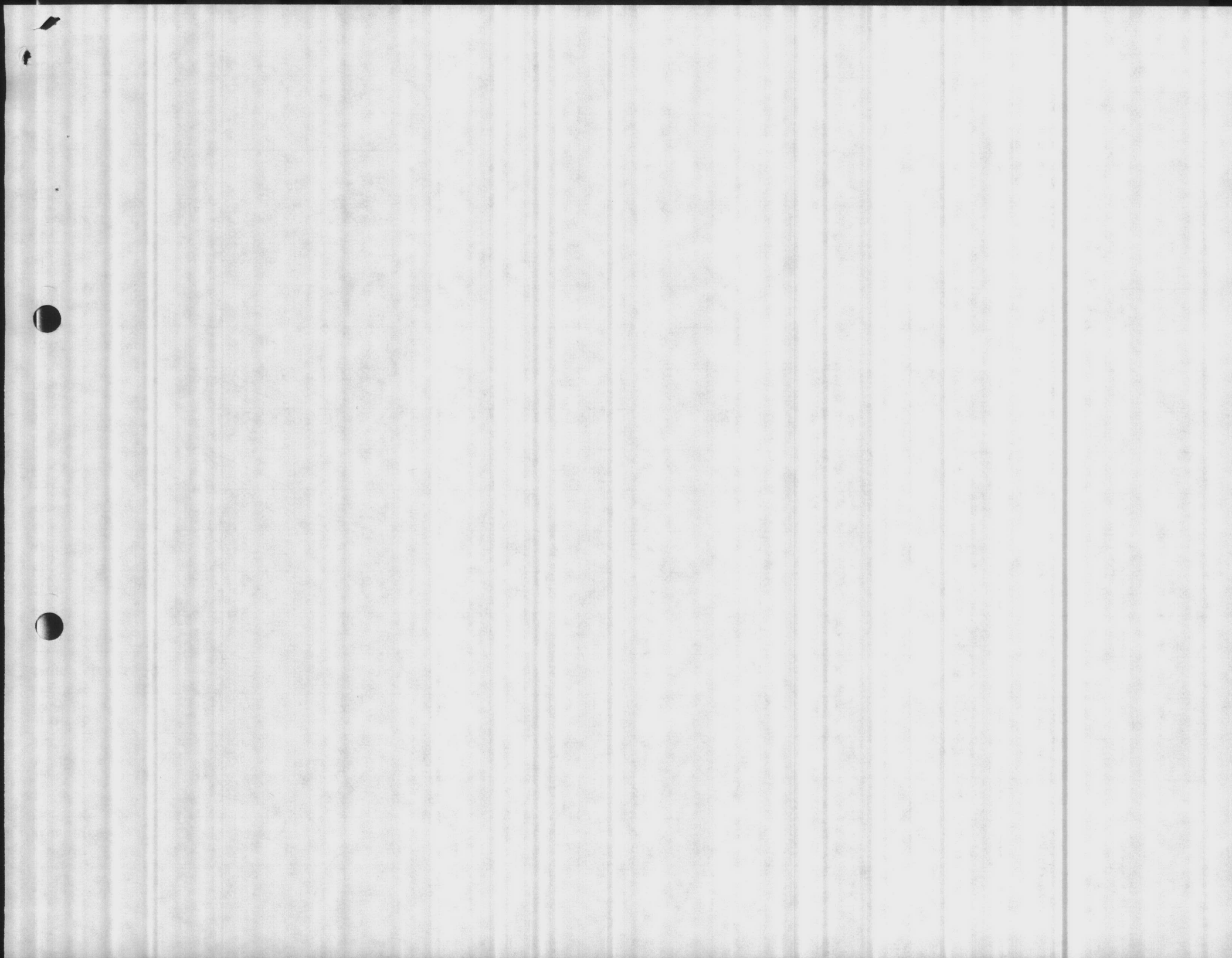
PMU  MCAS PMU

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

BURNS + LACHAPELLE



CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

20 NOV 84

DATE OF ANALYSIS

20 NOV 84

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLOW BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER		
PH	8.7	7.5	9.3	7.5	8.5	8.4	8.6	8.5		
PHENOLTHALEIN ALKALINITY	8	0	10	0	6	2	6	2		
METHYL ORANGE ALKALINITY	68	202	40	168	178	182	66	244		
CARBONATES AS CaCO <sub>3</sub>	16	0	20	0	12	4	12	4		
BICARBONATES AS CaCO <sub>3</sub>	52	202	20	168	166	178	54	240		
CHLORIDES AS Cl	10	44	1.2	18	18	28	10	80		
HARDNESS AS CaCO <sub>3</sub>	72	68	58	50	60	58	74	60		
IRON AS Fe	0.04	0.91	0.04	0.15	0.04	0.04	0.04	0.04		
FLUORIDE	AM 1.04 PM 1.03	0.14	AM 1.07 PM 0.89	0.15	0.10	0.08	AM 1.00 PM 0.98	0.92		
CHLORINE RESIDUAL	1.0	1.4	0.9	1.6	1.3	1.0	1.0	1.2		
TURBIDITY	AM 1.4 PM 1.7	1.5	AM 0.3 PM 0.6	0.3	0.4	0.3	AM 0.3 PM 1.0	0.4		
TOTAL PHOSPHATE		5.00			0.88					
ORTHO PHOSPHATE		1.68			0.19					
META PHOSPHATE		3.32			0.69					
STABILITY	+0.4	-0.7	+0.7	-0.8	+0.1	0.0	+0.3	0.0		

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

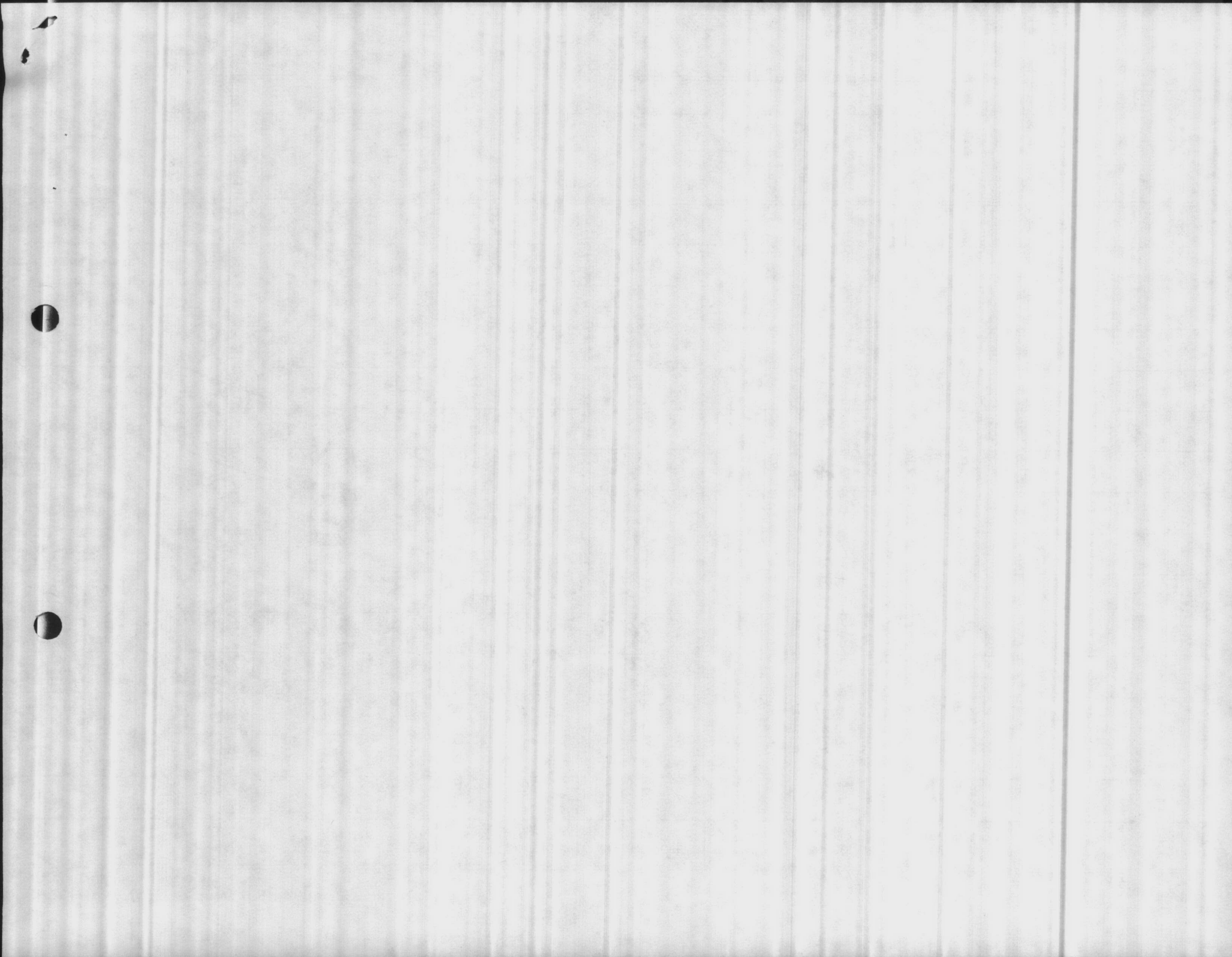
PMU  MCAS PMU

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

*Smycott Barber*





CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 1.1330/3 (REV. 6-84)

DATE COLLECTED

11/27/84

DATE OF ANALYSIS

11/27/84

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	1203
PH	8.8	7.6	8.4	7.4	8.3	8.2	8.6	7.8	8.0
PHENOLTHALEIN ALKALINITY	4	0	2	0	0	0	2	0	0
METHYL ORANGE ALKALINITY	40	180	56	160	150	140	60	240	60
CARBONATES AS CaCO <sub>3</sub>	8	0	4	0	0	0	4	0	0
BICARBONATES AS CaCO <sub>3</sub>	32	180	52	160	150	140	56	240	60
CHLORIDES AS Cl	10	50	10	14	10	26	10	88	10
HARDNESS AS CaCO <sub>3</sub>	60	76	80	64	64	50	62	142	62
IRON AS Fe	<0.04	0.57	<0.04	0.15	<0.04	<0.04	0.07	0.18	0.04
FLUORIDE	0.76 / 0.75	0.13	0.76 / 0.95	0.13	0.08	0.07	1.00 / 0.93	0.80	0.93
CHLORINE RESIDUAL	1.0	1.4	1.1	1.5	1.4	1.0	0.9	1.4	0.4
TURBIDITY	0.30 / 0.39	0.80	0.30 / 0.30	0.30	0.50	0.30	0.17 / 0.58	5.8	1.0
TOTAL PHOSPHATE		2.70			0.96				
ORTHOPHOSPHATE		1.17			0.22				
META PHOSPHATE		1.53			0.74				
STABILITY	+0.4	-0.6	+0.2	-0.9	0.0	-0.1	+0.4	-0.3	

REMARKS

COPY TO:

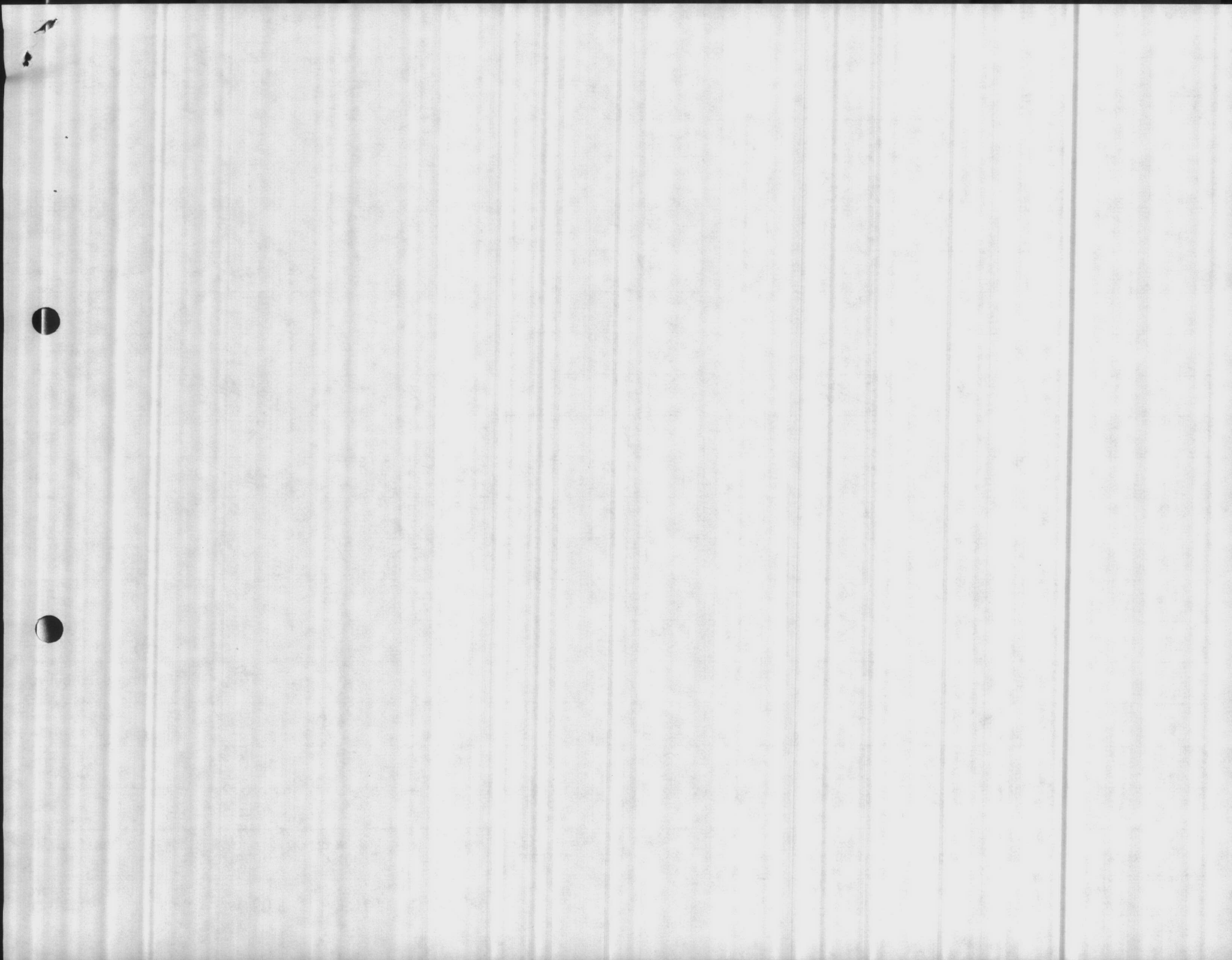
UTIL DIR

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



BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/4 (REV. 7-83)

DATE COLLECTED

6 NOV 84

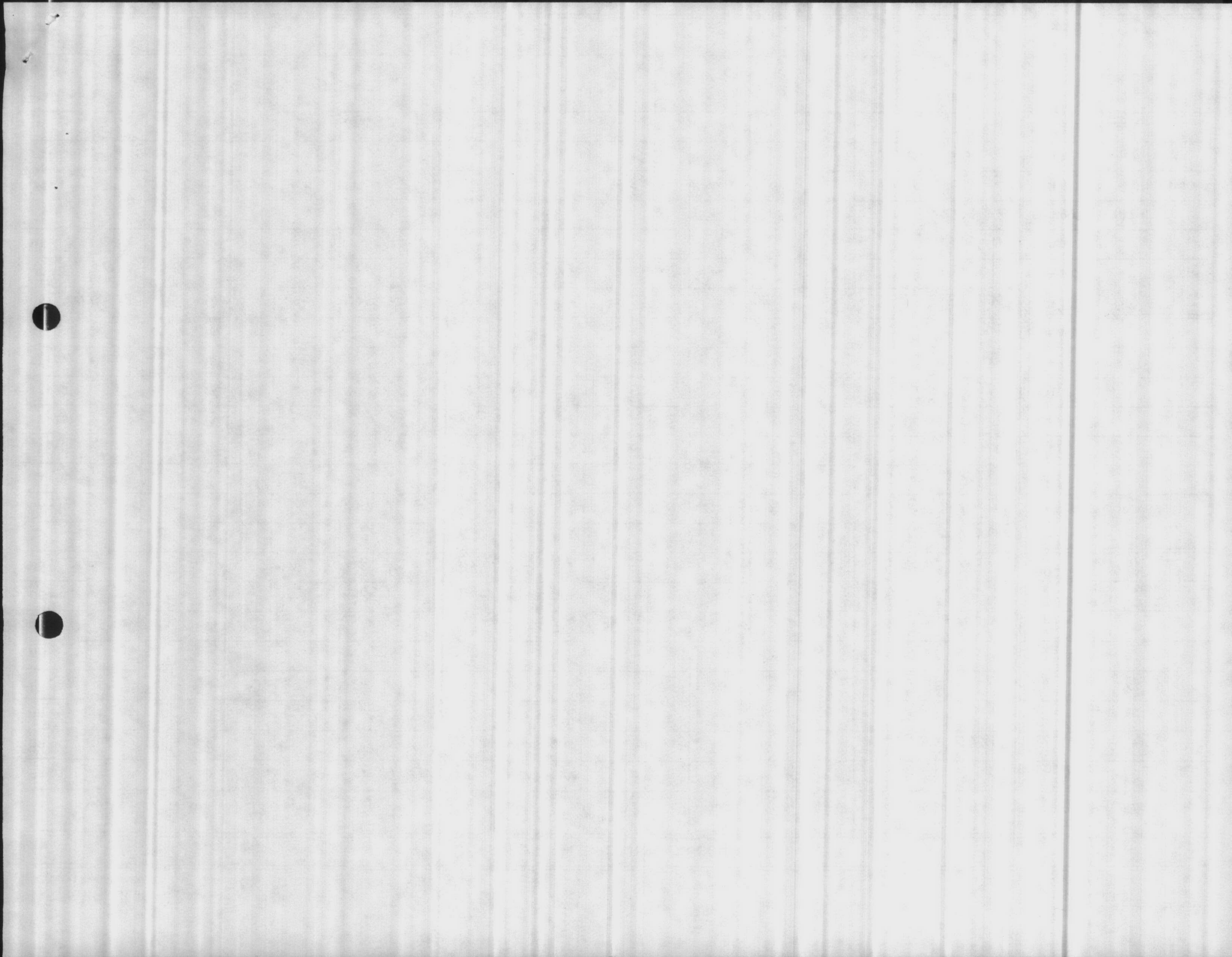
REPORTABLE POINTS FOR SDWA

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	0.9	0918	MCAS - 3502	24	0	0.3	0930	TIME RECEIVED
RR - 15	2	I	0.9	0940	MCAS - 2002	25	I	0.3	0945	DATE RECEIVED 6 Nov 84
RR - 10	3	I	1.0	0935	MCAS - 1157	26	I	0.5	0915	ACCEPTED BY
	4				MCAS - 1703	27	I	0.4	1000	DATE ANALYZED 6 Nov 84
A-1	5	0	1.2	0920		28				ANALYSIS STARTED
E	6	I	0.9	0910	NRMC - Food Service	29	0	0.8	1035	ANALYSIS FINISHED
BB - 260	7	I	0.9	0905	PP - 2615	30	I	0.6	1015	INCUBATOR TEMP 35.2°C
BB - 245	8	I	0.8	0920	PP - 2600	31	I	0.5	1025	PROCESSED BY H. H. H. H.
	9				BM - 5400	32	I	0.6	1040	
BA - 103	10	0	0.7	1035	BM - 1985	33	I	0.6	1045	CUSTODY DATA
BA - 102	11	I	0.7	1045	LCH - 4022	34	I	0.5	1055	DATE
	12				LCH - 1002	35	I	0.5	1100	TIME
TT - 38	13	0	1.0	0930		36	I			SIGNATURE
TT - 43	14	I	0.8	0900	H - 1 12-8	37	0	0.9	0950	DATE
TT - 46.9	15	I	0.9	0915	H - 18	38	I	0.7	0955	TIME
	16				FC - 303	39	I	0.7	0945	SIGNATURE
CK - 1400	17	0	0.8	0945	FC - 420	40	I	0.8	0935	
M - 430 136	18	I	1.2	1030	FC - 540	41	I	0.8	0900	COPY TO:
M - 131	19	I	1.1	1015	HP - 236	42	I	0.7	0940	<input type="checkbox"/> UTIL DIR
	20				HP - 540	43	I	0.8	0920	<input type="checkbox"/> WATER TREATMENT
CG - 1	21	0	0.4	0900	HP - 1300	44	I	0.6	0935	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	I	1.5	0840	HP - 20	45	I	0.8	0930	<input type="checkbox"/> NREAD <input checked="" type="checkbox"/> FILE
TC - 501	23	I	0.5	0830		46	I			<input type="checkbox"/>

REMARKS

SIGNATURE

*[Handwritten Signature]*

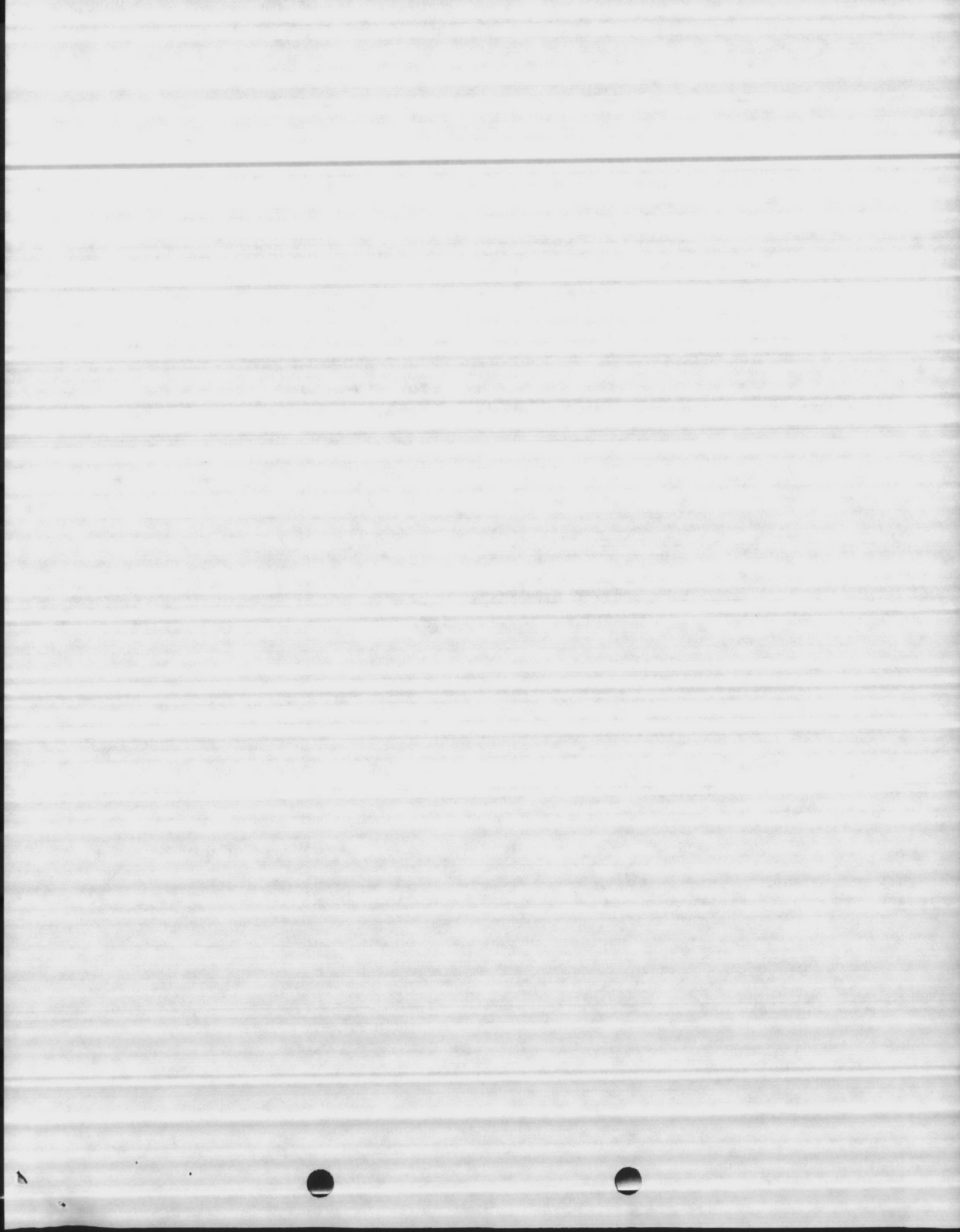


**BACTERIOLOGICAL ANALYSIS OF WATER**

**NON-REPORTABLE**

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		✓	0.5		0815
FC-19					
SH-8	NOT	Allowed in			
M.P. POOL					
#2 POOL		1	0.6	7.4	0840
#5 POOL		∅	1.0	7.4	0820
P. P. POOL					
P. P. BABY POOL					
MCAS E-POOL					
MCAS O-POOL					
MCAS BABY POOL					
SH 1300 ICE		∅			0835

REMARKS



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

DATE COLLECTED

13 Nov 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	0.4	1145	MCAS - 3502	24	Ø	0.3	0930	TIME RECEIVED
RR - 15	2	I	0.5	1135	MCAS - 2002	25	I	0.4	1000	DATE RECEIVED 13 Nov 84
RR - 10	3	I	1.4	1200	MCAS - 4157	26	I	0.4	0900	ACCEPTED BY
	4				MCAS - 2026	27	I	0.3	1030	DATE ANALYZED 13 Nov 84
A-1	5	Ø	1.0	0830		28				ANALYSIS STARTED
	6	I	1.0	0805	NRMC - Food Service	29	Ø	0.9	1120	ANALYSIS FINISHED
BB - 260	7	I	0.9	0815	PP - 2615	30	I	0.8	1105	INCUBATOR TEMP 35.5°C
BB - 54	8	I	1.0	0820	PP - 2611	31	I	0.9	1110	PROCESSED BY T. Barbee
	9				BM - 5400	32	I	1.0	1130	
BA - 103	10	Ø	0.4	1015	BM - 825	33	I	1.0	1140	CUSTODY DATA
BA - 101	11	I	0.4	1020	LCH - 4022	34	I	0.8	1150	DATE
	12				LCH - 4003	35	I	1.0	1200	TIME
TT - 38	13	Ø	1.0	0915		36				SIGNATURE
TT - 43	14	I	0.8	0925	H-1 Ward 12A	37	Ø	0.7	1045	DATE
TT - 3335	15	I	0.6	1040	H - 23	38	I	0.7	1050	TIME
	16				FC - 303	39	I	0.7	0935	SIGNATURE
CK - 1203	17	Ø	0.6	1030	FC - 420	40	I	0.9	0950	
M - 139	18	I	1.0	1010	FC - 313	41	I	0.7	0945	COPY TO:
M - 104	19	I	1.0	0935	HP - 236	42	I	0.5	0840	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43	I	0.6	0920	<input type="checkbox"/> WATER TREATMENT
CG - 1	21	Ø	0.4	0845	HP - 1300	44	I	0.5	0850	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	I	0.5	0830	HP - 1202	45	I	0.5	1020	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - 501	23	I	0.6	0815		46				<input type="checkbox"/>

REMARKS

SIGNATURE

*Steven D. Hunsicker 15 Nov 84*





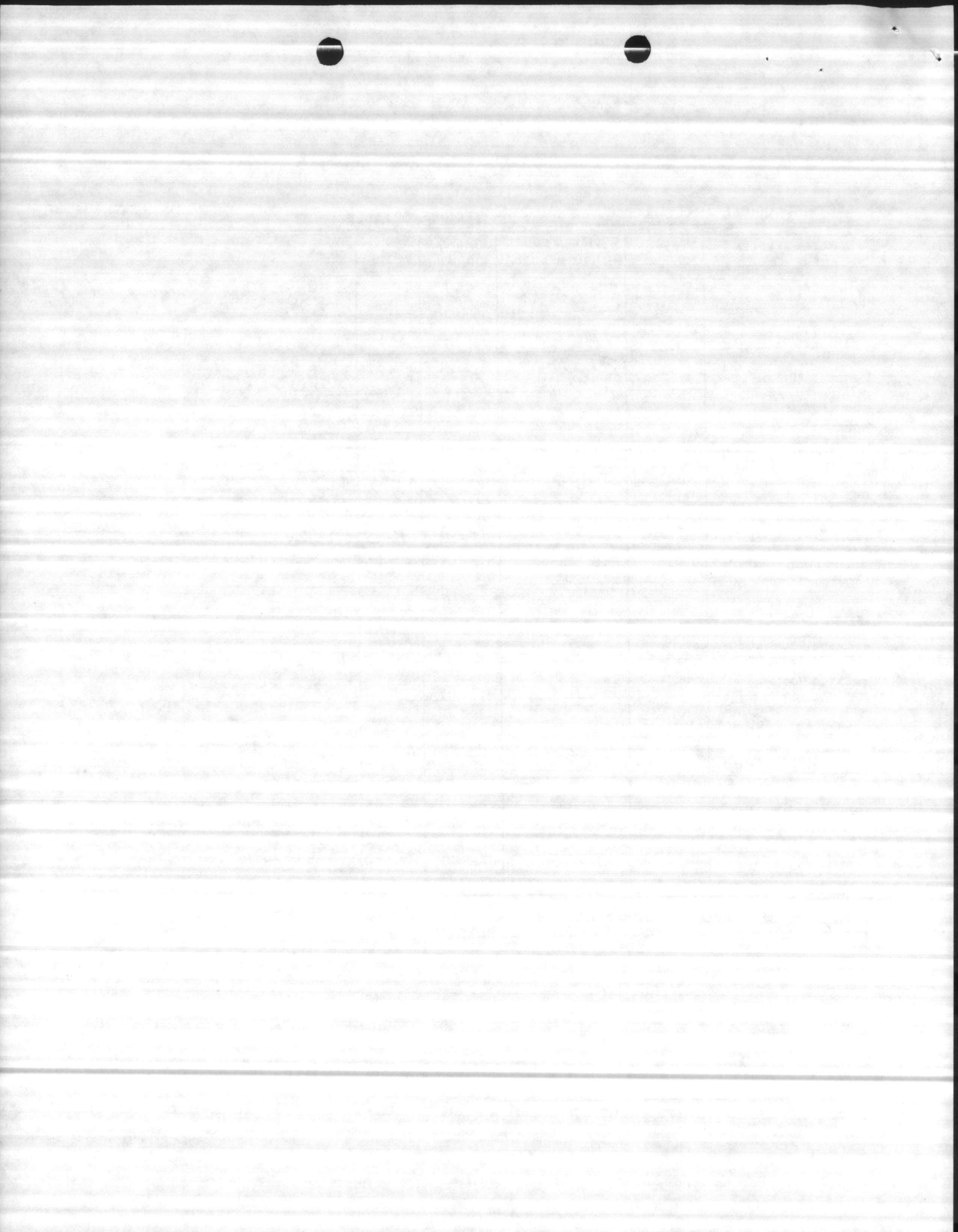
BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		∅	1.2		0930
FC-19					
SH-8		∅	0.9		1010
M.P. POOL		CLOSED			
#2 POOL		∅	0.4	7.0	0840
#5 POOL		∅	1.0	7.3	0920
P. P. POOL					
P. P. BABY POOL					
MCAS E-POOL					
MCAS O-POOL					
MCAS BABY POOL					
ICE Bld 1300		∅			0850

REMARKS

All Non-coliform colonies



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	0.8	0942	MCAS - 3502	24	Ø	0.3	1000	TIME RECEIVED 11/20-1311
RR - 15	2	I	0.8	0928	MCAS - 2002	25	I	0.4	1015	DATE RECEIVED 11/20/84
RR - 6	3	I	0.8	0945	MCAS - 4157	26	I	0.5	0945	ACCEPTED BY Burns
	4				MCAS - 1266	27	I	0.3	1030	DATE ANALYZED 11/20/84
A-1	5	Ø	1.0	0917		28				ANALYSIS STARTED 1230
B	6	I	1.3	0850	NRMC - FOOD SERVICE	29	Ø	0.9	1145	ANALYSIS FINISHED 1330
BB - 270	7	I	1.2	0909	PP - 2615	30	I	0.5	1130	INCUBATOR TEMP 35
BB - 45	8	I	1.3	0845	PP - 2613	31	I	0.5	1135	PROCESSED BY Burns
	9				BM - 5400	32	I	0.8	1155	
BA - 103	10	Ø	1.4	1100	BM - PX 7 DAY STORE	33	I	0.5	1205	CUSTODY DATA
BA - 101	11	I	1.4	1105	LCH - 4022	34	I	0.5	1250	DATE
	12				LCH - 4000	35	I	0.8	1255	TIME
TT - 38	13	Ø	0.9	0900		36				SIGNATURE
TT - 43	14	I	0.9	0845	H - 1 DIV. SURGEONS OFFICE	37	Ø	0.9	1115	DATE
TT - 1024	15	I	0.8	0930	H - 16	38	I	1.2	1110	TIME
	16				FC - 303	39	I	1.2	1020	SIGNATURE
C 1115	17	Ø	0.6	1015	FC - 420	40	I	1.0	1010	
M - 139	18	I	1.1	1100	FC - 540	41	I	1.2	1005	COPY TO:
M - 128	19	I	1.2	1115	HP - 236	42	I	0.9	1100	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43	I	0.8	0950	<input type="checkbox"/> WATER TREATMENT
CG - J	21	Ø	0.3	0930	HP - 1300	44	I	1.0	0920	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22	I	0.5	0915	HP - 1202	45	I	1.0	0930	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - G-650	23	I	0.6	0900		46				<input type="checkbox"/> _____

REMARKS

SIGNATURE

*H.J. Burns*



BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

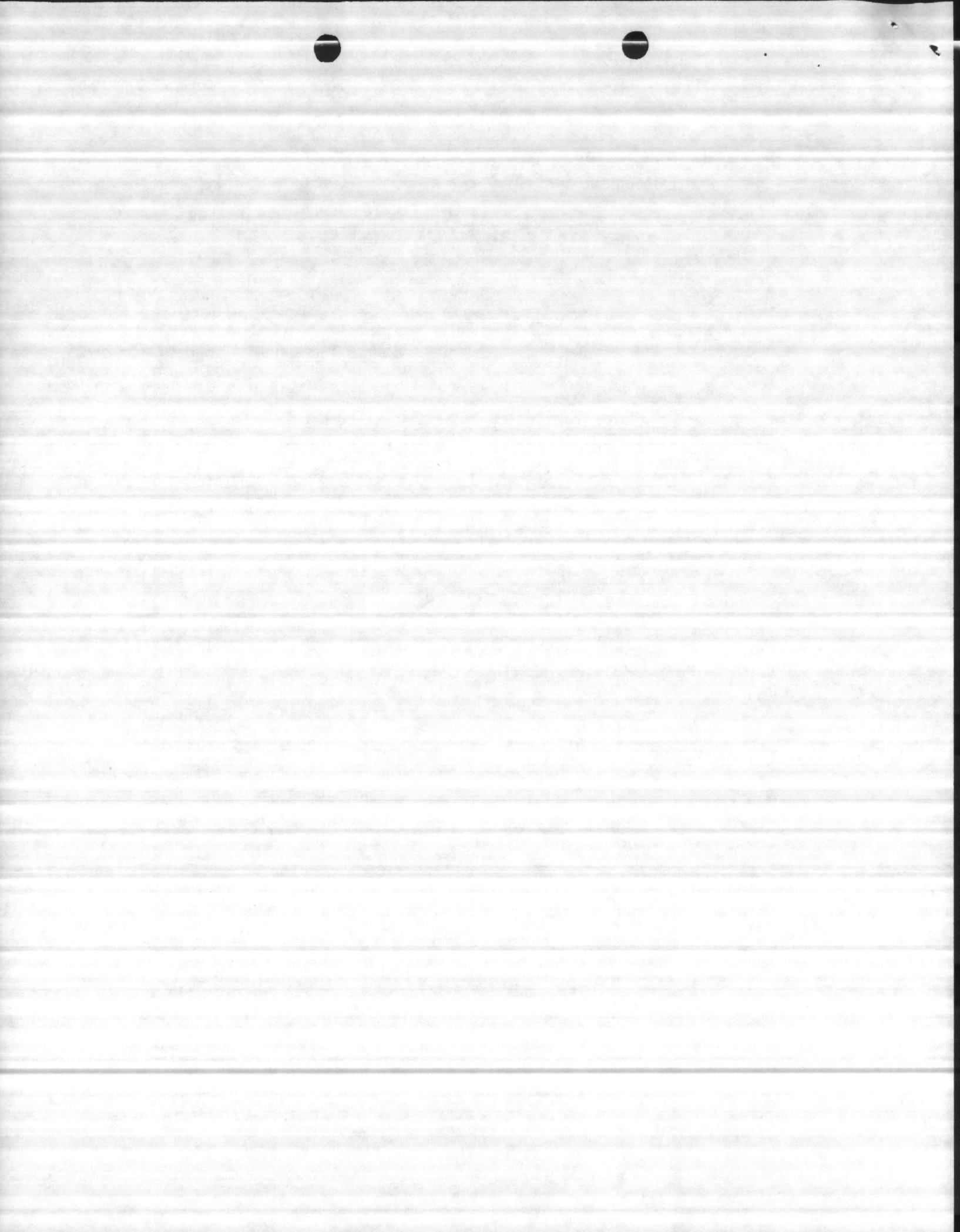
WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		∅	0.8		0858
FC-19					
SH-8		∅	0.8		1030
M.P. POOL		Closed			
#2 POOL		∅	0.8	7.1	1100
#5 POOL		∅	0.8	7.0	0950
P. P. POOL					
P. P. BABY POOL					
MCAS E-POOL					
MCAS O-POOL					
MCAS BABY POOL					
HP 1300 (ICK)		∅		1.0	0920

REMARKS

---



---



BACTERIOLOGICAL ANALYSIS OF WATER  
 MCBCL 330/4 (REV. 7-83)

DATE COLLECTED  
 27 Nov 1984

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	0.9	0905	MCAS - 3502	24	0	0.3	1000	TIME RECEIVED 1225-1310
RR - 15	2		0.7	0915	MCAS - 2002	25		0.5	1030	DATE RECEIVED 11/27/84
RR - 10	3		1.0	0920	MCAS - AS-4157	26		0.4	0930	ACCEPTED BY B & H
	4				MCAS - AS-2033	27		0.5	1045	DATE ANALYZED 11/27/84
A-1	5		1.0	0930		28				ANALYSIS STARTED 1257-1345
B	6		0.9	0950	NRMC - Food Service	29		0.7	1045	ANALYSIS FINISHED 1330- 1406
BB - 49	7		1.0	1000	PP - 2615	30		0.6	1025	INCUBATOR TEMP 35.0 c
BB - 9	8		1.0	1020	PP - 2600	31		0.6	1035	PROCESSED BY L
	9				BM - 5400	32		0.7	1110	
BA - 103	10		1.0	1115	BM - 1985	33		0.6	1055	CUSTODY DATA
BA - 144	11		0.8	1120	LCH - 4022	34		0.5	1120	DATE
	12				LCH - 4002	35		0.5	1130	TIME
TT - 38	13		1.1	0845		36				SIGNATURE
TT - 43	14		1.0	0900	H - 1 12A	37		0.6	1010	DATE
TT - 2549	15		0.9	0915	H - 18	38		0.5	1015	TIME
	16				FC - 303	39		0.8	0900	SIGNATURE
CR - 1518	17		0.8	0945	FC - 420	40		0.9	0910	
M - 13#6	18		1.2	1030	FC - 540	41		0.9	0915	COPY TO:
M 231	19		1.1	1045	HP - 236	42		1.0	1000	<input checked="" type="checkbox"/> UTIL DIR
	20				HP - 540	43		0.8	0945	<input type="checkbox"/> WATER TREATMENT
CG --1	21		0.3	0915	HP - 1300	44		1.0	0840	<input type="checkbox"/> PMU <input type="checkbox"/> MCAS PMO
TC - 830	22		1.5	0900	HP - 1203	45	0	0.3	0850	<input type="checkbox"/> NREAD <input type="checkbox"/> FILE
TC - G-650	23	0	1.0	0845		46				<input type="checkbox"/> _____

REMARKS

SIGNATURE

*Robert J. [Signature]*





BACTERIOLOGICAL ANALYSIS OF WATER

NON-REPORTABLE

WATER SAMPLES	MARKED	COLIFORM COUNT M-ENDO MEDIUM	RESIDUAL CHLORINE	pH	TIME
BB-97		∅	1.0		1015
FC-19					
SH-8		∅	0.8		0930
M.P. POOL					
#2 POOL		∅	1.0	7.5	1000
#5 POOL		∅	0.9	7.6	0945
P. P. POOL					
P. P. BABY POOL					
MCAS E-POOL					
MCAS O-POOL					
MCAS BABY POOL					
Ice Sample, Bldg 1300		∅			0840

REMARKS

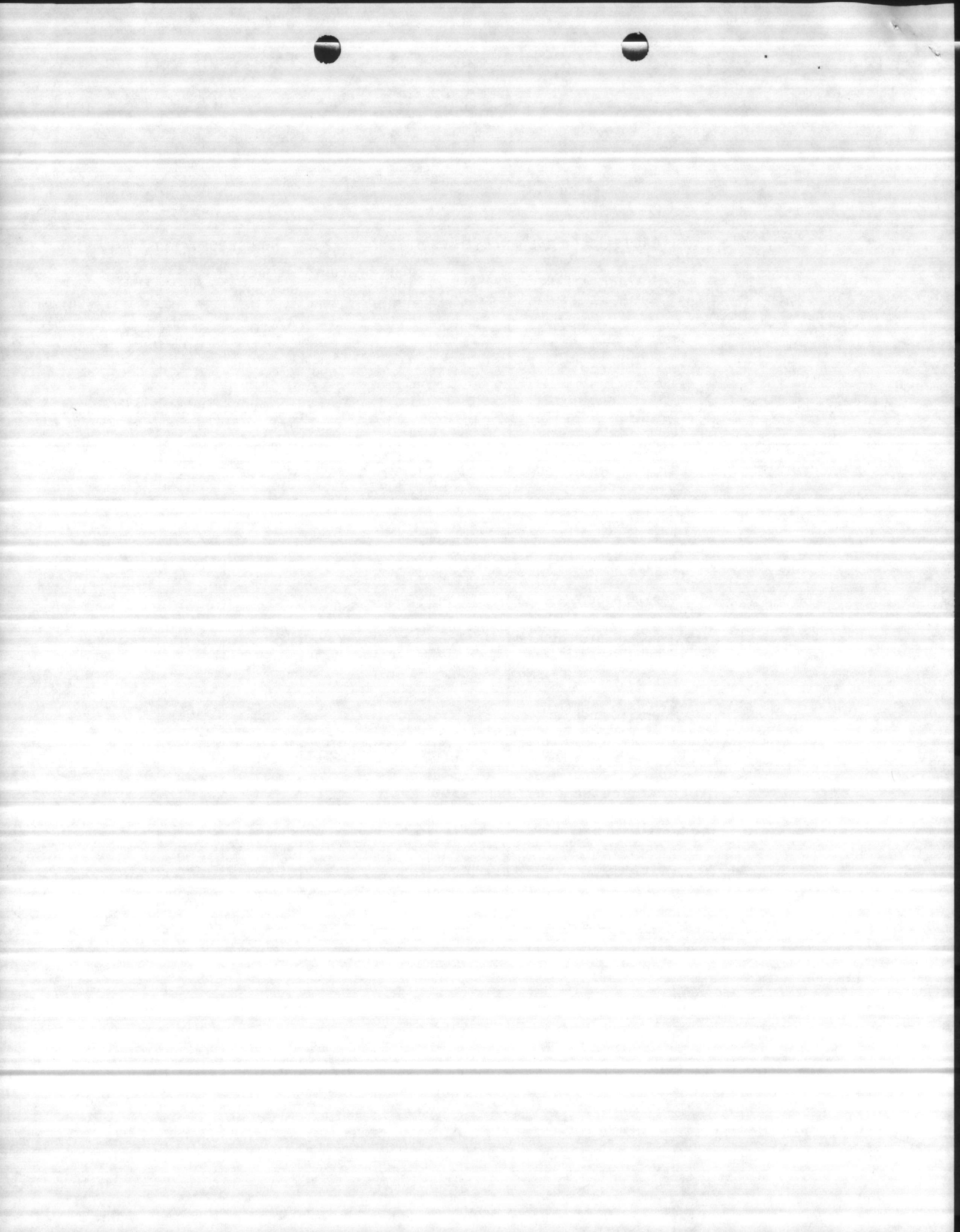
---



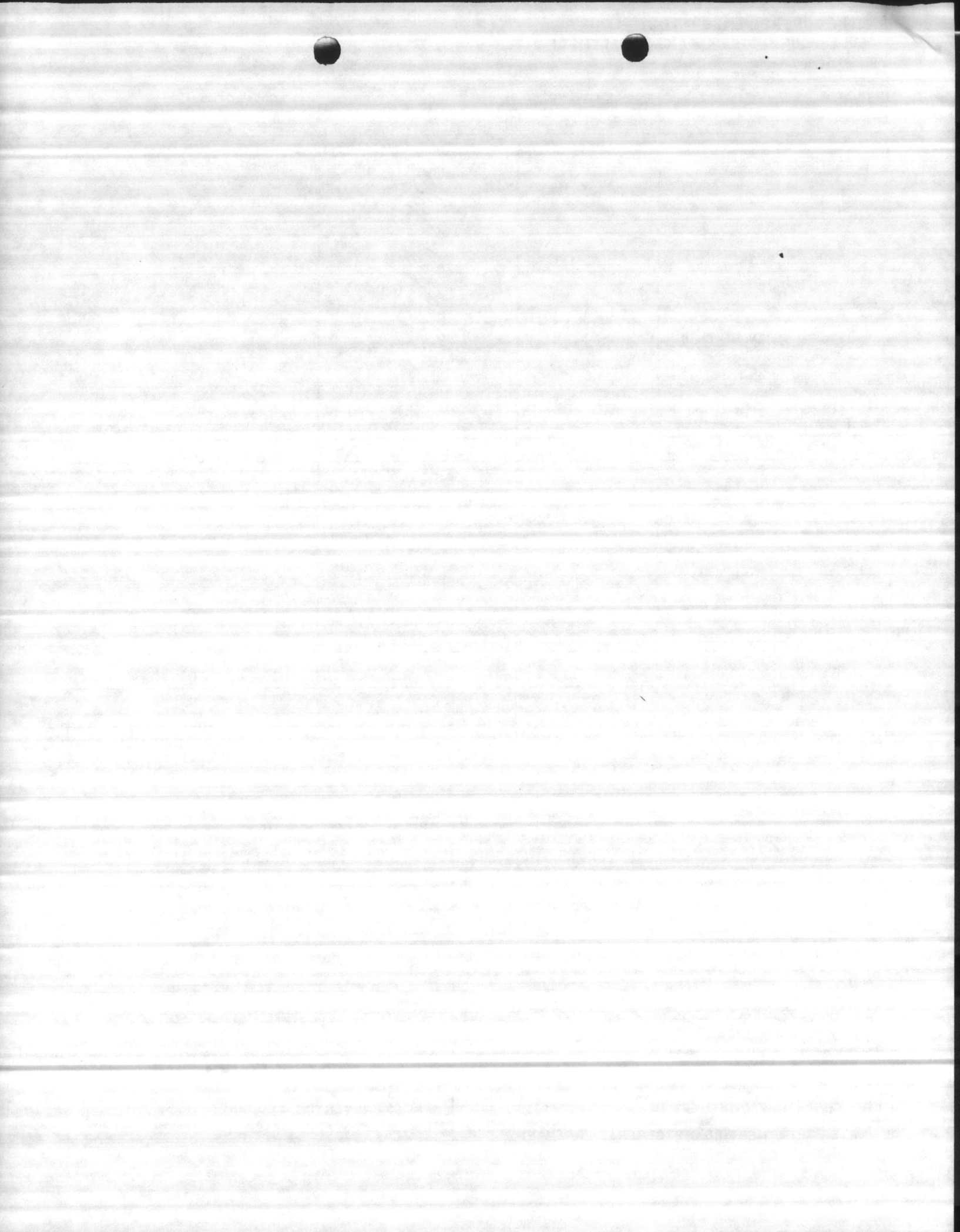
---



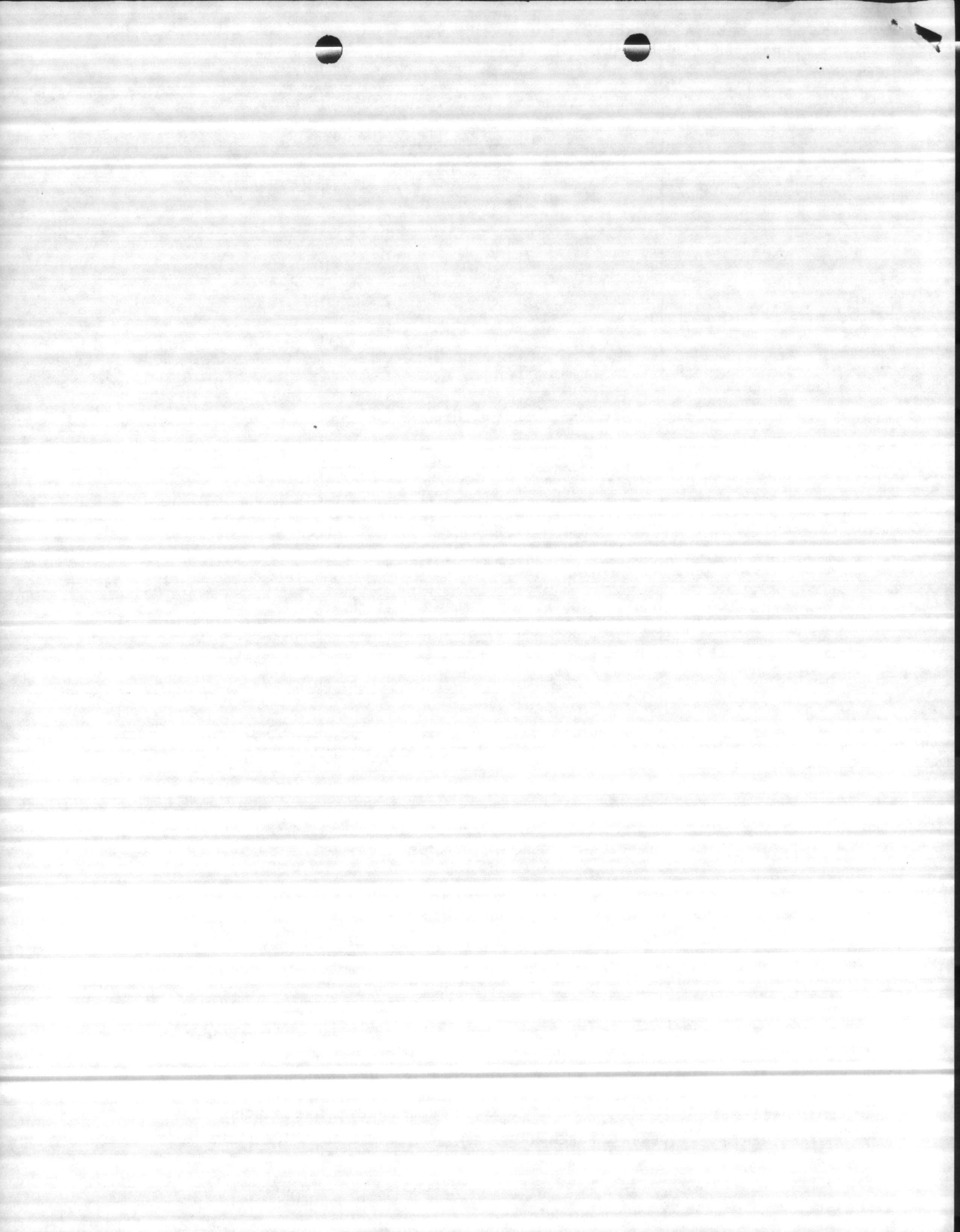
---



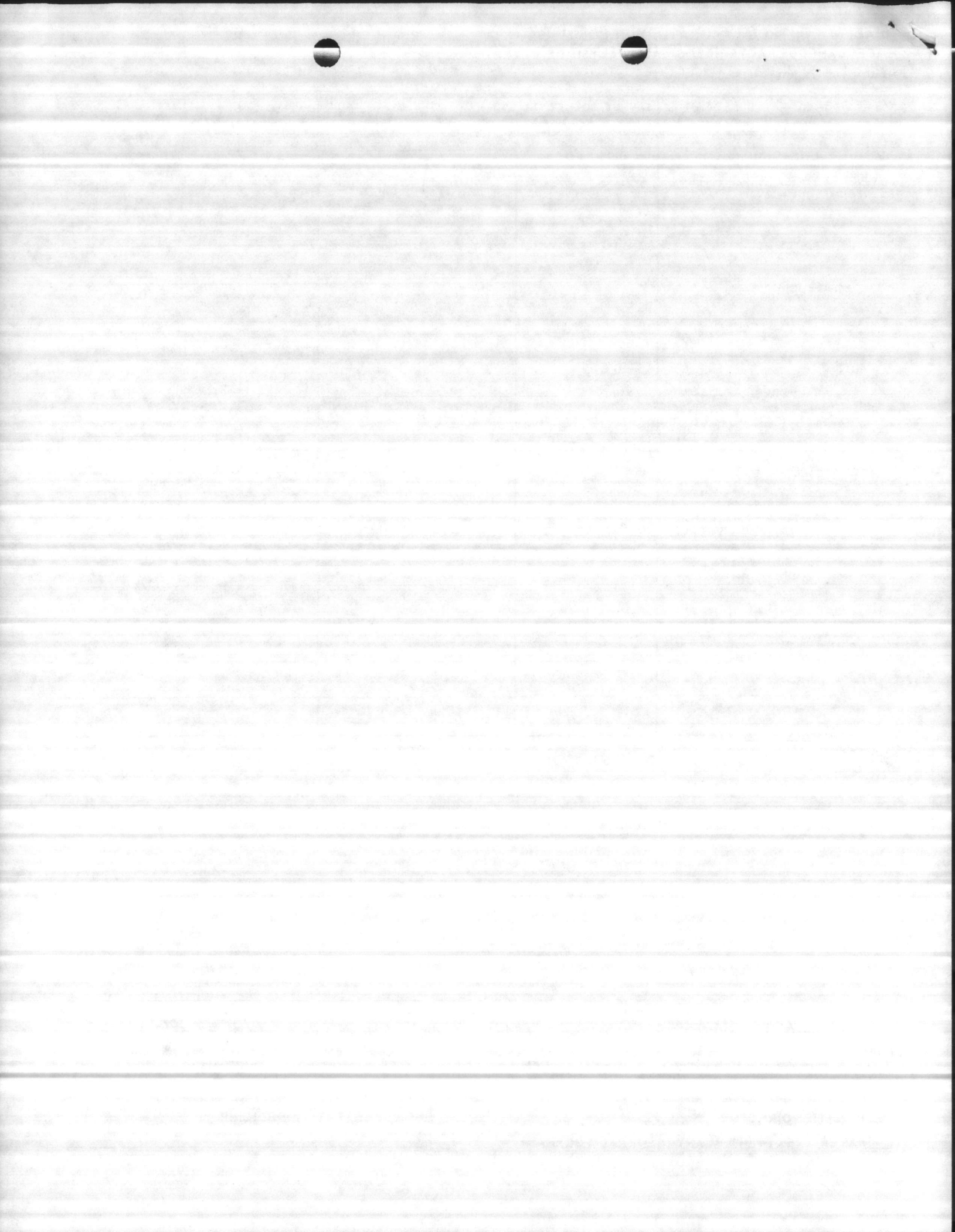






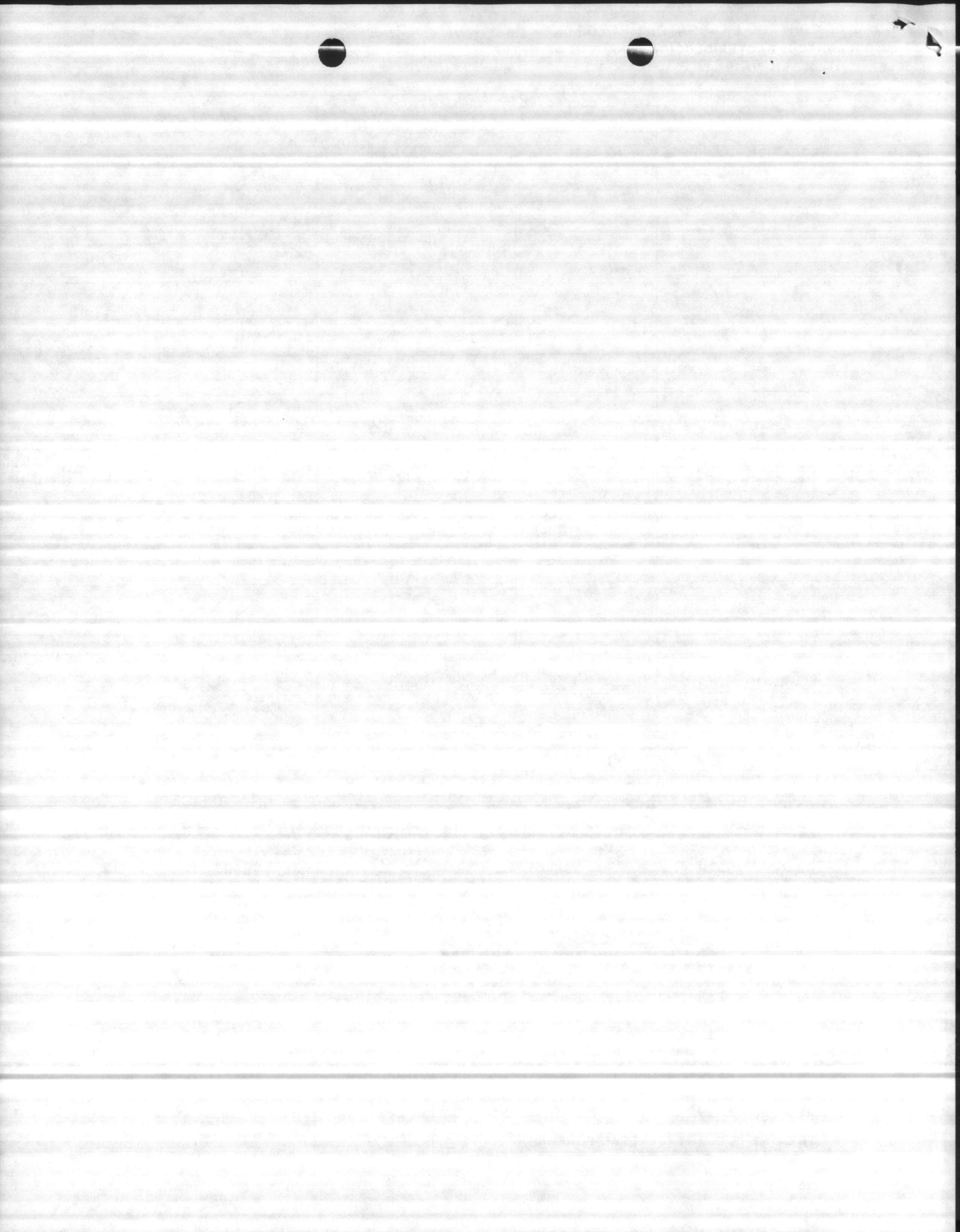




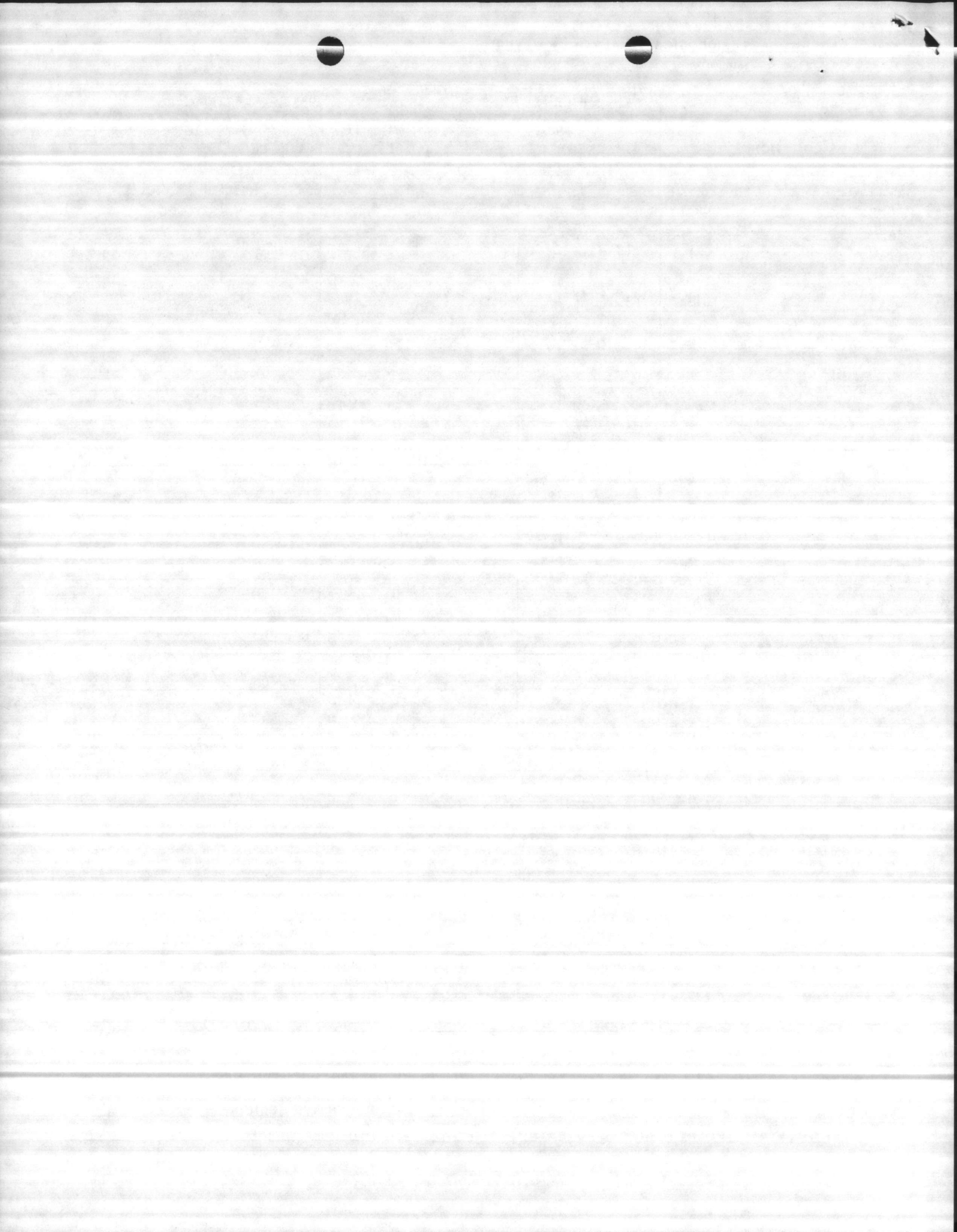












CHEMICAL ANALYSIS — WATER TREATMENT PLANTS

MCBCL 11330/3 (REV. 6-84)

DATE COLLECTED

15 NOV 84

DATE OF ANALYSIS

15 NOV 84

PARAMETER	HADNOT POINT	CAMP JOHNSON	TARAWA TERRACE	ONSLow BEACH	COURTHOUSE BAY	RIFLE RANGE	HOLCOMB BLVD	NEW RIVER	
PH									TT 2038
PHENOLTHALEIN ALKALINITY									9.0
METHYL ORANGE ALKALINITY									6
CARBONATES AS CaCO <sub>3</sub>									46
BICARBONATES AS CO <sub>3</sub>									12
CHLORIDES AS Cl									34
HARDNESS AS CaCO <sub>3</sub>									12
IRON AS Fe									64
FLUORIDE									0.97
CHLORINE RESIDUAL									0.6
TURBIDITY									2.5
TOTAL PHOSPHATE									
ORTHO PHOSPHATE									
META PHOSPHATE									
STABILITY									

REMARKS

COPY TO:

UTIL DIR

WATER TREATMENT

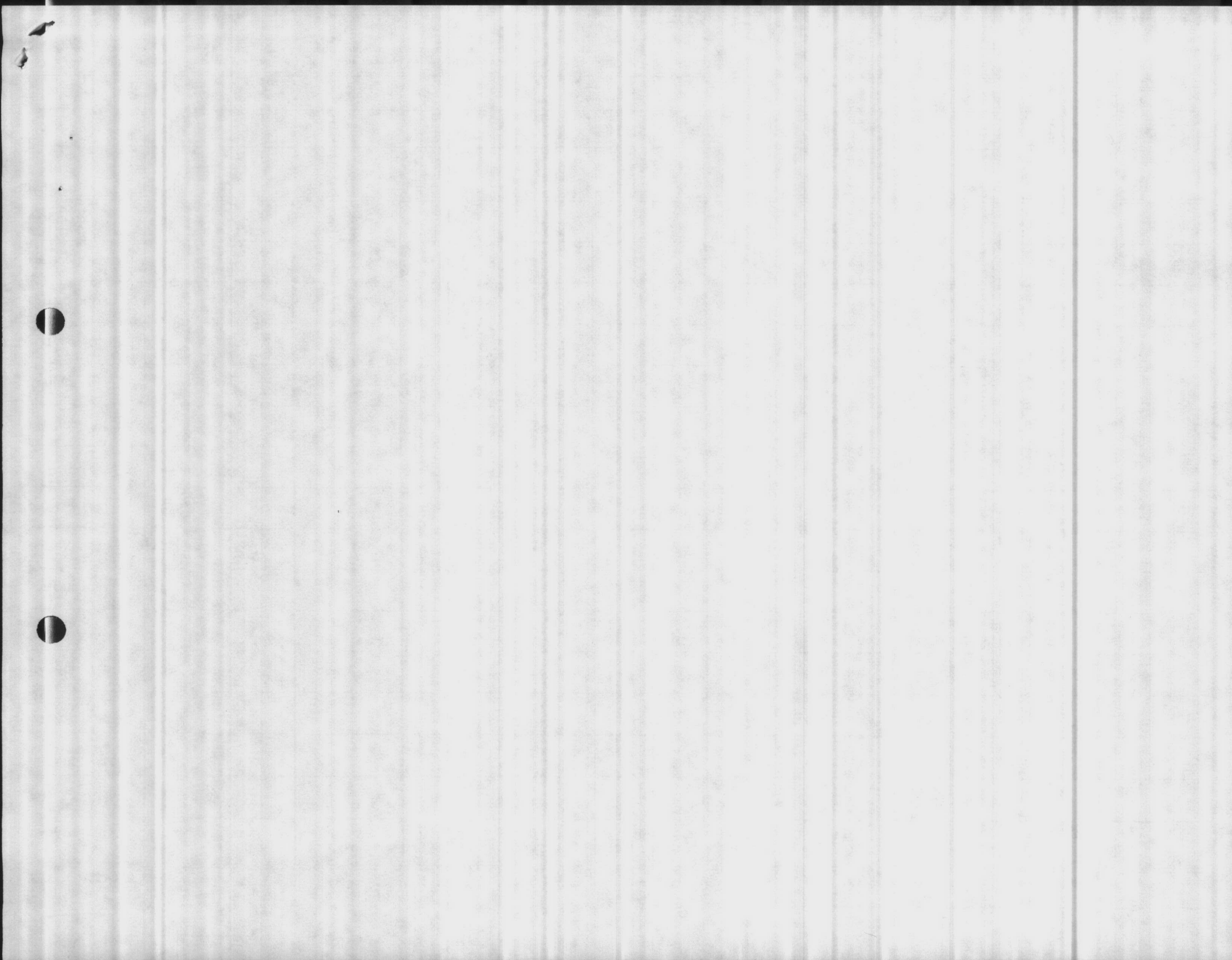
PMU  MCAS PMU

NREAD  FILE

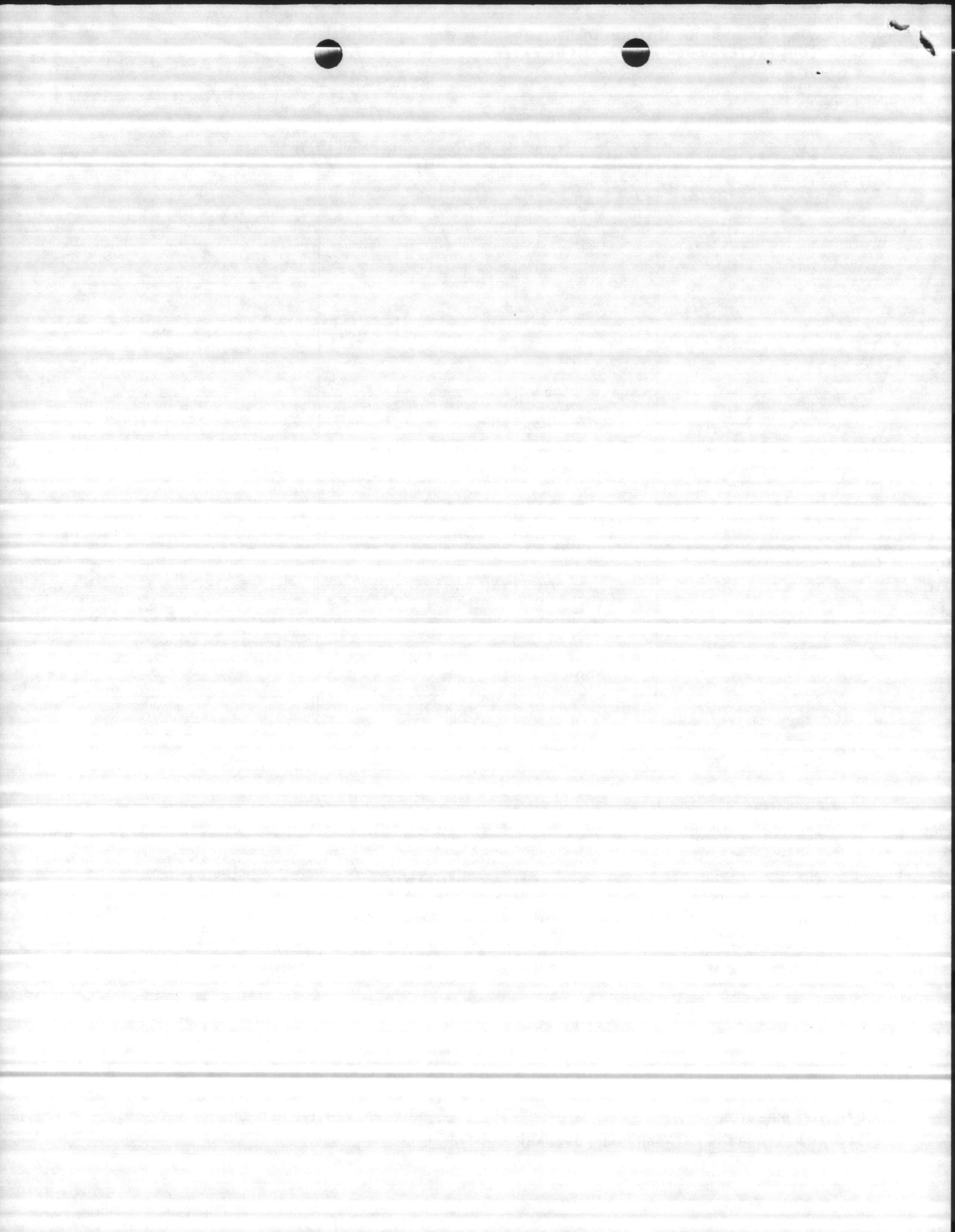
NOTE: All results reported in parts per million unless otherwise noted except for pH, temperature, and specific conductance. One liter of potable water is assumed to weigh one kilogram.

LABORATORY ANALYSIS BY

*P. Luchessa*









QUALITY CONTROL LABORATORY REPORT  
 MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11390/8 (REV. 4/78)

WATER TYPE FILTER	SAMPLE COLLECTED BY WTP	DATE COLLECTED 8 Nov 84	
LOCATION	MARKED	COLIFORM	
		TOTAL	FECAL
BLDG 20		0	
#2 FILTER			

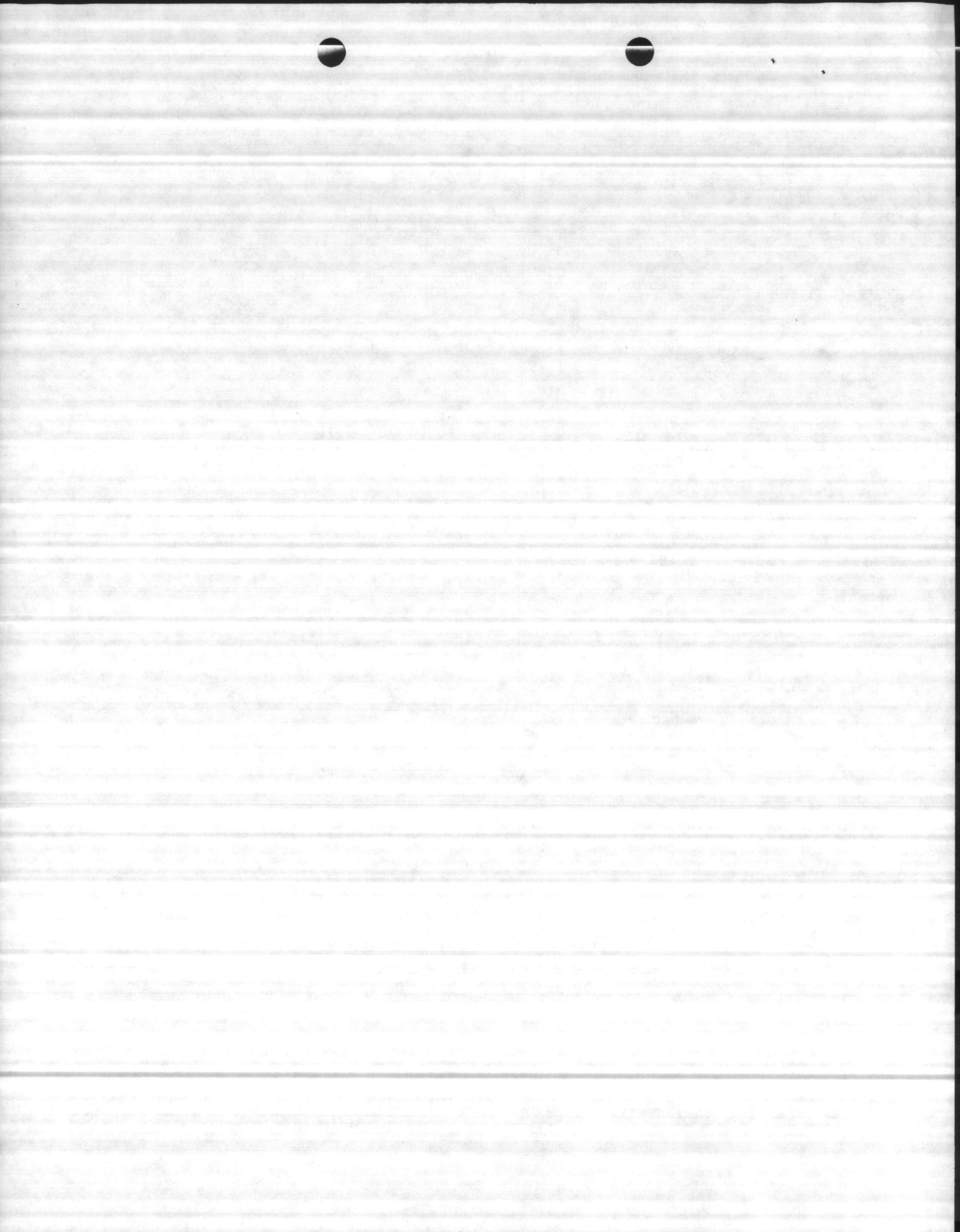
REMARKS

Blk 20  
 #2 filter  
 8 Nov 84 1315

SIGNATURE Burris DATE 9 Nov 84

COPY TO

- |  |   |
|--|---|
| <input type="checkbox"/> NREAD                                   | <input type="checkbox"/> BASE PREVENTIVE MEDICINE |
| <input type="checkbox"/> UTILITIES DIRECTOR                      | <input type="checkbox"/> MCAS PREVENTIVE MEDICINE |
| <input type="checkbox"/> WATER TREATMENT PLANT (GENERAL FOREMAN) | <input type="checkbox"/>                          |



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

WATER TYPE		SAMPLE COLLECTED BY		DATE COLLECTED	
Potable		G. Huneycutt		27 Nov 1984	
LOCATION		MARKED	COLIFORM		
			TOTAL	FECAL	
Midway Park	G12 0.4	306	0		
	0.2	311	0		
	0.2	325	0		
	0.2	317	0		
	0.2	326	0		

**REMARKS**  
 Bldg. 306 off 6" main  
 Bldg. 325, 326 off 6" main, finished 11/27  
 Bldg. 311, 317 off 2" main, finished a week ago.

SIGNATURE *[Handwritten Signature]* DATE 28 Nov 1984

COPY TO

- NREAD
- UTILITIES DIRECTOR
- WATER TREATMENT PLANT (GENERAL FOREMAN)
- BASE PREVENTIVE MEDICINE & Public Works
- MCAS PREVENTIVE MEDICINE
- File*

