

6286/1
NREAD
21 Sep 87

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Base Maintenance Officer, Marine Corps Base, Camp Lejeune
(Attn: Utilities Director)

Subj: NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PERMIT RELATED REPORTING DATA

Encl: (1) Monthly Report of Waste Treatment Plant Water Quality

1. It is requested that the enclosures be routed to the Utilities Systems General Foreman. The enclosures summarize the subject data generated by the Environmental Chemistry and Microbiology Laboratory and contract laboratories for the seven wastewater treatment plants aboard the Camp Lejeune complex for the month of August 1987.

2. Questions regarding the enclosures should be forwarded to the Supervisory Chemist, Environmental Chemistry and Microbiology Laboratory, Natural Resources and Environmental Affairs Division, x5977.

J. I. WOOTEN

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EC&MS (2)

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1981
NA 502 21

From: Director, National Laboratories and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
For: Base Maintenance Officer, Marine Corps Base, Camp Lejeune
Subject: Pollution Control

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)
PROGRAM RELATED REPORTING DATA

Enclosure (1) Monthly report of waste treatment plant water quality

The enclosed report contains the monthly water quality data for the
wastewater treatment plant at Camp Lejeune. The data is presented in
the form of a table showing the concentration of various pollutants
in the effluent water. The data is for the month of August 1987.

The report is prepared by the Environmental Chemistry and Microbiology
Laboratory, National Laboratories and Environmental Affairs Division,
Marine Corps Base, Camp Lejeune.

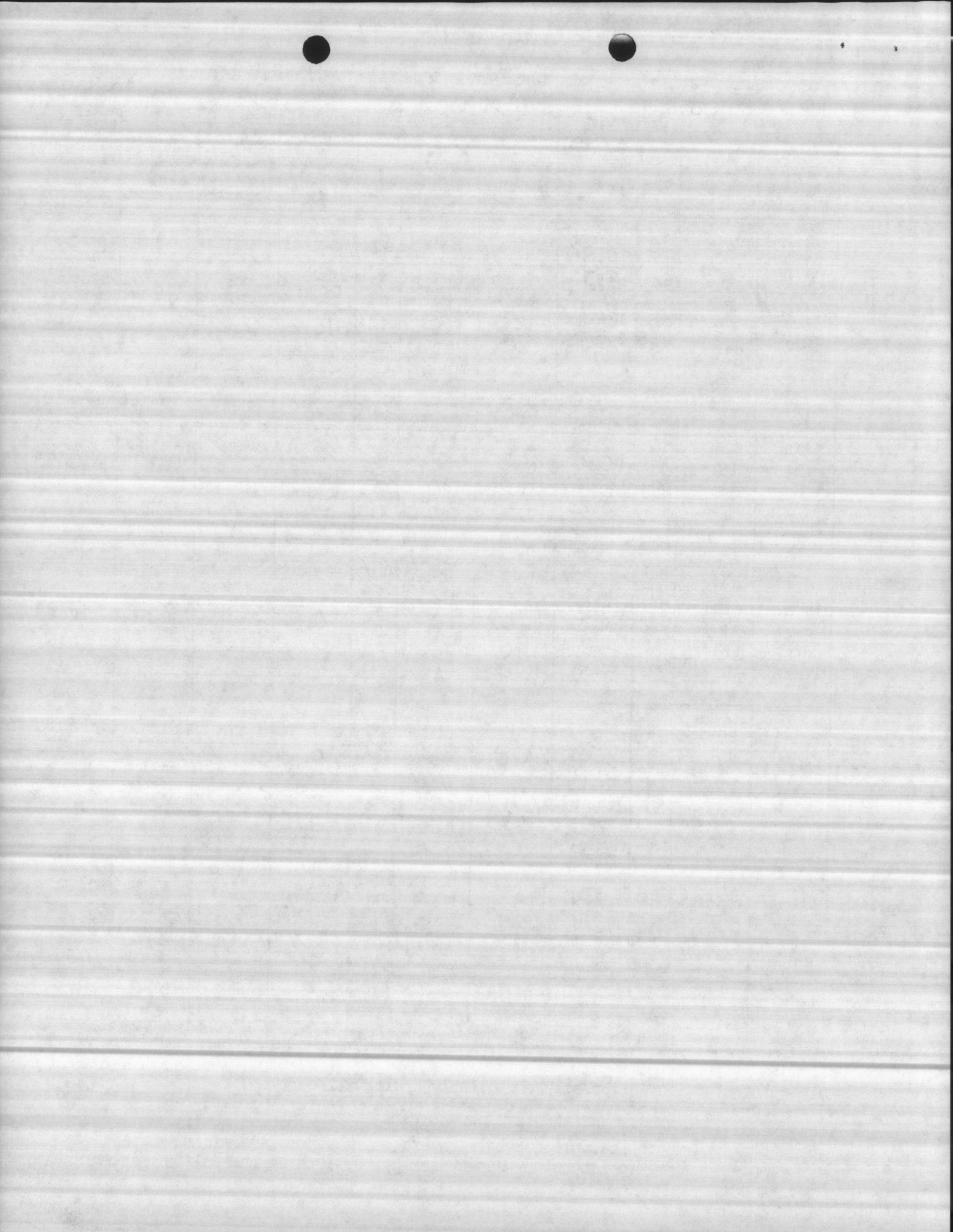
J. L. GOTTEN

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BOM 23

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 NC 302 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT No.							MONTH	YEAR		
	HADNOT POINT							AUG	1987		
DATE	00310 5 DAY 20°C BOD			00410 AMMONIA	00520 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00856 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MP/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3	196	9	95	0.9	100	9	91	0			
4	168	8	95	3.7	205	15	93	2			
5	208	9	96	4.6	110	14	97	0	2.2		
6	236	10	96	4.1	128	12	91	16			
7	208	10	95	4.4	125	10	92	0			
8											
9											
10	176	12	93	3.2	118	15	87	2			
11	280	13	95	3.6	202	10	95	0			
12	176	18	90	3.6	163	11	93	0		1270	4.1
13	216	23	89	4.0	118	12	95	2			
14	172	12	93	5.2	103	9	91	2			
15											
16											
17	196	11	94	2.5	104	6	94	2			
18	208	9	96	3.5	153	12	92	0			
19	160	9	94	2.5	146	10	93	0			
20	148	14	91	4.3	160	11	93	0			
21	172	10	94	4.6	170	7	96	0			
22											
23											
24	132	9	93	1.8	100	11	89	2	3.0		
25	136	10	93	3.9	60	6	97	0			
26	136	12	91	3.6	78	11	86	0			
27	128	11	91	3.6	60	11	82	0			
28	164	12	93	3.2	92	11	87	2			
29											
30											
31	160	10	94	2.1	114	10	91	10			
TOTAL	3776	241		72.9	2579	223			5.2	12.70	4.1
AVERAGE	180	11		3.5	124	11	91	1.44	2.6	12.70	4.1
MAXIMUM	280	23		5.2	205	15		16	3.0	12.70	4.1
MINIMUM	128	8		0.9	60	6		0	2.2	12.70	4.1
CODE (C) GRADE (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

- INSTRUCTIONS:
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 4. Submit completed forms to laboratory supervisor by the 10th of the following month.



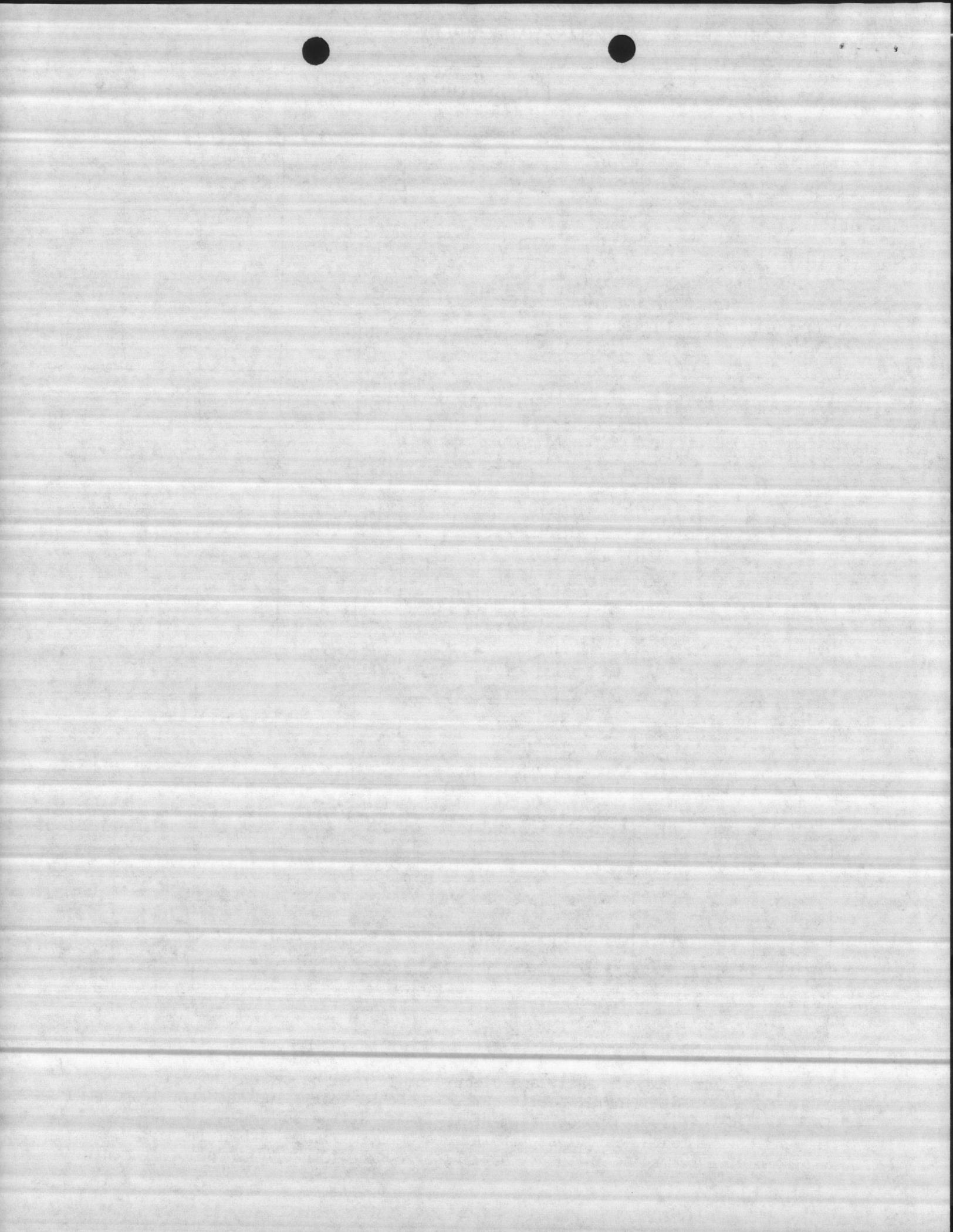
ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 NC8CL 11245/8 (REV. 9-86)

PLANT		NPDES PERMIT No.						MONTH		YEAR	
CAMP GET GER		NC 0003239						AUG		1987	
00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED SOLIDS			COLIFORM	00566 OIL + GREASE	00600 TOTAL NITROGEN	00645 TOTAL PHOSPHORUS	
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MP/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3	172	7	96	15.1	80	7	91	0			
4	410	16	96	14.1	193	13	93	20	LA*		
5	367	16	96	16.0	178	14	92	62			
6	497	14	97	9.9	239	15	94	0			
7	336	12	96	10.9	212	6	97	8			
8											
9											
10	204	7	97	8.1	153	6	96	10			
11	247	10	96	6.6	168	6	96	0			
12	200	3	97	2.1	124	3	98	30		10.63	0.50
13	284	9	97	7.3	132	4	97	0			
14	200	6	97	8.7	154	4	97	2			
15											
16											
17	200	10	95	7.6	153	10	93	0			
18	268	6	98	7.8	106	5	95	0	4.5		
19	156	5	97	6.4	96	4	96	0			
20	164	4	98	4.7	116	1	99	0			
21	204	9	96	8.3	100	5	95	2			
22											
23											
24	293	4	99	7.5	235	30	87	10			
25	295	8	97	7.3	143	8	94	0	1.4		0.07
26	210	6	97	8.3	115	5	96	2			
27	270	6	98	7.9	123	4	97	0			
28	272	14	95	9.3	133	7	95	14			
29											
30											
31	264	10	97	14.3	178	6	96	0		10.63	0.57
TOTAL	5503	182		18.8	3130	163			2.9	10.63	0.29
AVERAGE	262	9		9.0	149	9	95	2.55	1.5	10.63	0.50
MAXIMUM	410	16		16.0	239	30			4.5	10.63	0.07
MINIMUM	156	3		2.1	80	1			1.4		
CODE (P) SCALE (S)	C	C		C	C	C		G	G	C	C
RESERVED						30			30		

KAB ACCIDENT

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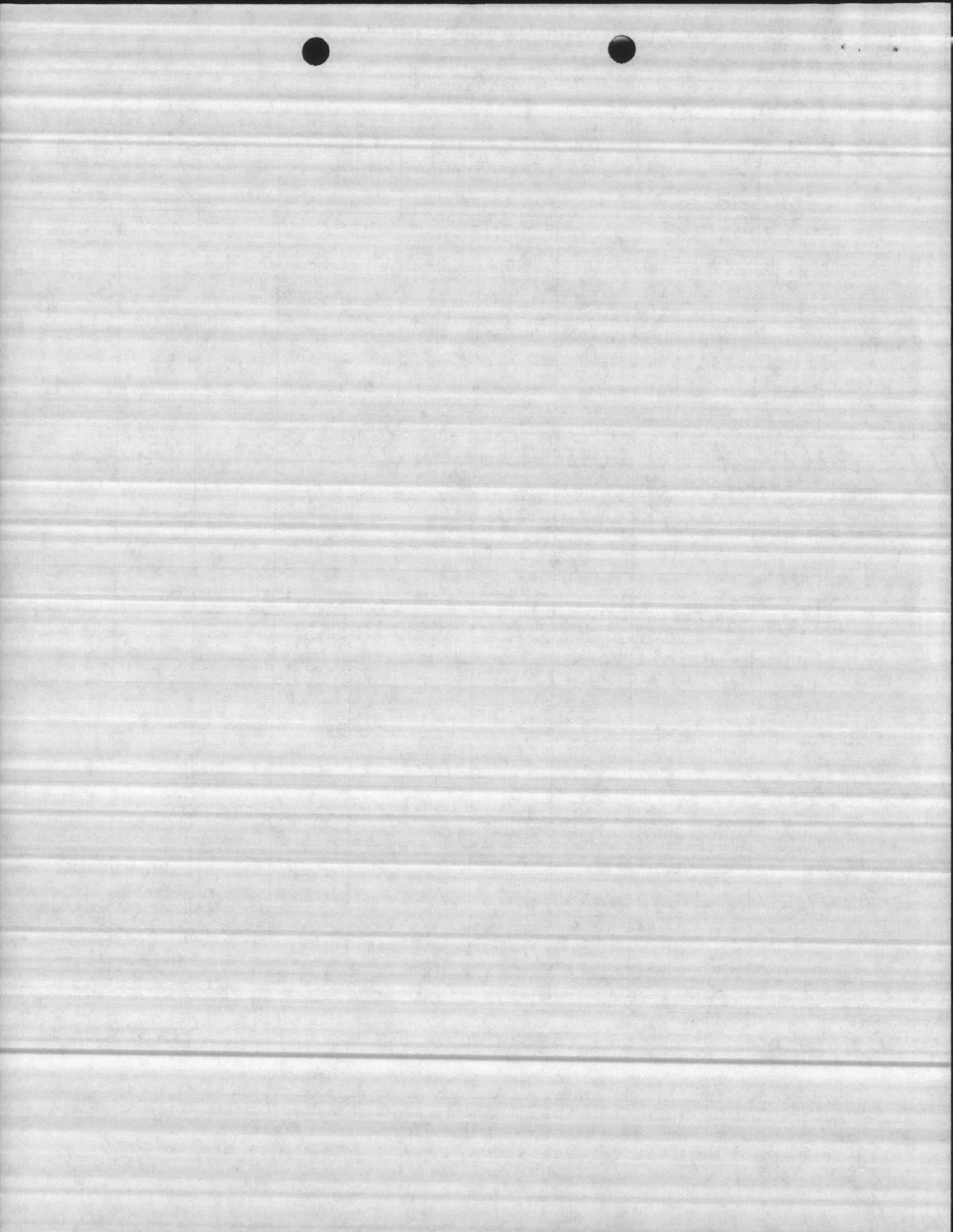


ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11245/6 (REV. 9-86)

PLANT ARAWA TERRACE				NPDES PERMIT No. NC 0063062				MONTH AUG		YEAR 1987	
00310 5 DAY 20°C BOD			00610 AMMONIA	00520 TOTAL SUSPENDED RESIDUE			51616 FECAL COLIFORM	00856 OIL + GREASE	00400 TOTAL NITROGEN	00445 TOTAL PHOSPHORUS	
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MP/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	192	13	93	0.7	145	16	89	2			
4	208	9	96	1.4	76	5	93	0	1.7		
5	180	4	96	2.5	95	8	92	2			
6	192	9	96	1.0	75	11	85	2			
7	192	12	94	1.0	148	6	96	10			
8											
9											
10	200	9	95	2.0	108	4	93	0			
11	187	12	94	1.5	76	8	89	0.2			
12	172	7	96	6.9	92	6	93	0		16.35	5.2
13	264	7	97	1.6	294	8	97	0			
14	250	10	96	1.6	90	8	91	0			
15											
16											
17	148	6	96	1.8	365	10	97	6			
18	164	9	95	1.7	100	8	92	0	1.4		
19	184	9	95	1.4	110	8	93	0			
20	156	12	91	2.0	98	11	89	0			
21	200	10	96	1.3	99	6	94	0			
22											
23											
24	176	9	95	1.2	83	10	89	10			
25	194	11	94	3.1	85	6	93	0.2			
26	149	10	93	2.0	75	9	89	2			
27	156	8	95	0.9	85	12	84	0			
28	180	11	94	1.0	85	10	89	0			
29											
30											
31	168	10	94	1.2	86	10	88	0			
TOTAL	3901	201		37.8	2449	184		-	2.8	16.35	5.2
AVERAGE	186	10		1.8	115	9	92	1.61	1.4	16.35	5.2
MAXIMUM	264	13		6.9	355	16			1.7	16.35	5.2
MINIMUM	148	6		0.7	75	6			1.1	16.35	5.2
COMP (C) GLAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY		30				30		FORV	30		

INSTRUCTIONS:

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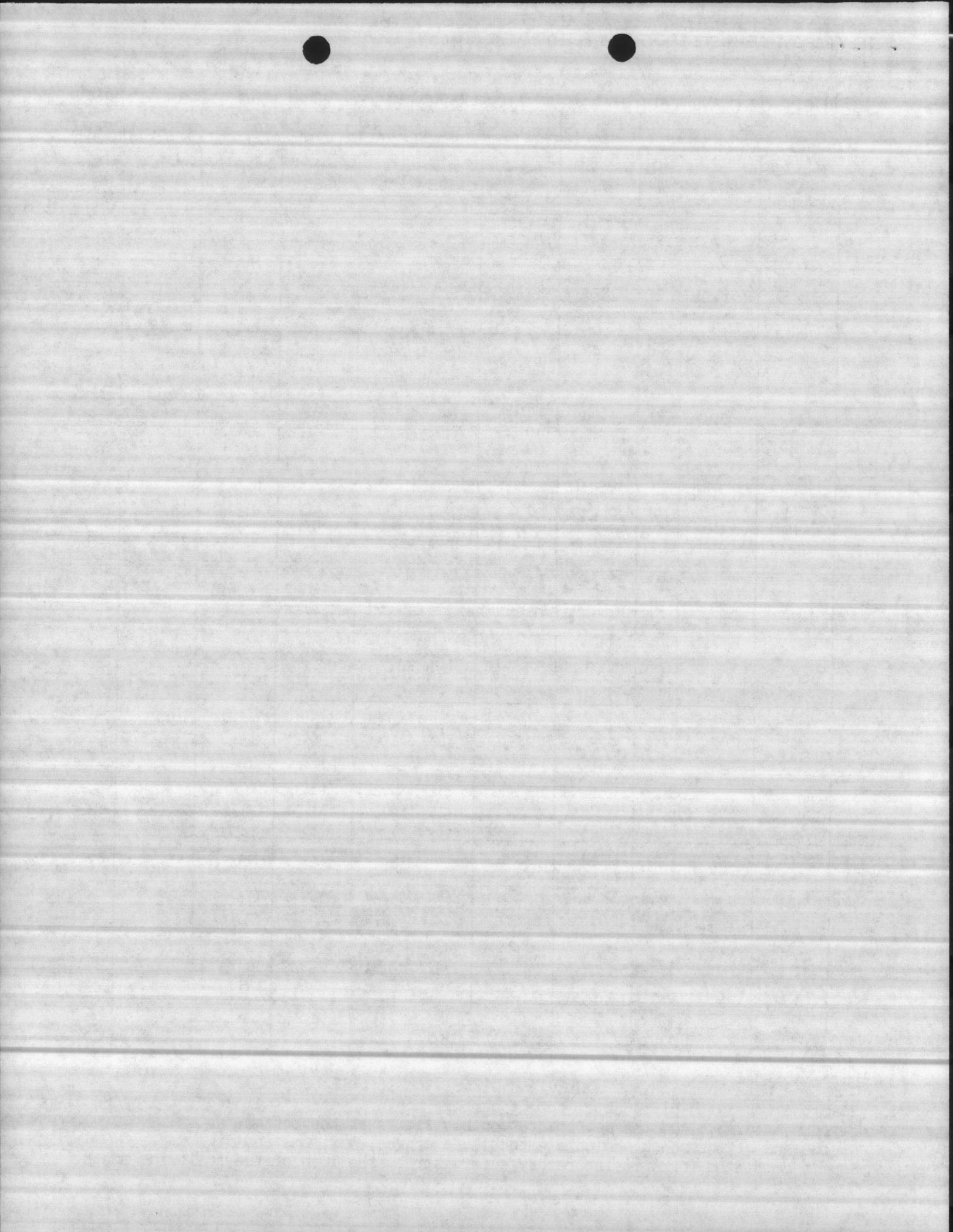


ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11245/6 (REV. 9-86)

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED SOLIDS			COLIFORM	00666 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT	EFFLUENT	%	EFFLUENT	INFLUENT	EFFLUENT	%	EFFLUENT	EFFLUENT	EFFLUENT	EFFLUENT
	mg/L	mg/L		mg/L	mg/L	mg/L		MP/100 ML	MG/L	MG/L	MG/L
1											
2											
3	346	13	96	2.9	304	2	99	2			
4									0.1		
5											
6											
7	272	17	94	5.5	178	6	97	0			
8											
9											
10	496	15	97	3.1	229	6	97	0			
11											
12											
13											
14	204	12	94	5.9	102	9	91	0			
15											
16											
17	180	5	97	3.0	178	6	97	0			
18									0.7		
19											
20											
21	323	11	97	5.1	407	6	99	0			
22											
23											
24	229	6	97	3.4	115	6	96	0			
25											
26											
27											
28	150	13	91	2.3	118	7	94	0			
29											
30											
31	130	12	91	2.1	175	10	94	0	0.8		
TOTAL	2330	104		39.9	1806	58			0.14		
AVERAGE	259	12	95	3.9	201	6	97	1.36	0.7		
MAXIMUM	496	17		5.9	407	10		0	0.8		
MINIMUM	130	5		2.3	102	2		0	0.1		
COMP (C)	C	C		C	C	C		G	G	C	C
CRAP (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

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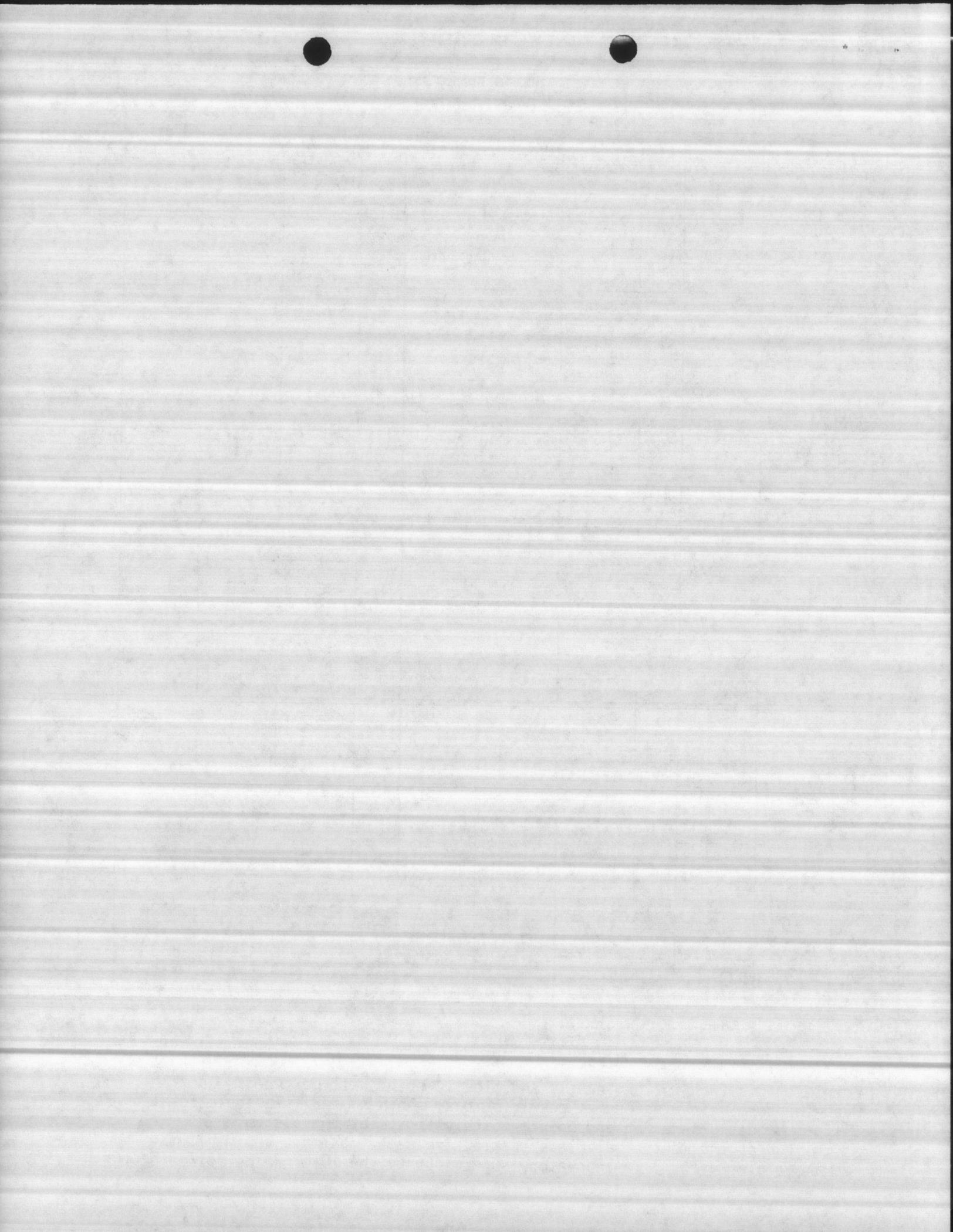


ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/B (REV. 9-86)

PLANT COURTHOUSE BAY				NPDES PERMIT No. NC0063045				MONTH AUG		YEAR 1987	
00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00856 OIL + GREASE	00600 TOTAL NITROGEN	00645 TOTAL PHOSPHORUS	
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MP/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	Sample error				Sample error						
4				0.29				0	1.4		
5											
6											
7											
8											
9											
10											
11	136	8	94	0.10	56	5	91	0	2.7		
12											
13											
14											
15											
16											
17											
18	132	4	97	0.15	83	5	94	0			
19											
20											
21											
22											
23											
24											
25	76	6	92	0.11	28	4	86	0			
26											
27											
28											
29											
30											
31											
TOTAL	379	18		0.64	167	14			6.11		
AVERAGE	126	6		0.16	56	5	91	0	2.1		
MAXIMUM	136	8		0.15	83	5		0	2.7		
MINIMUM	76	4		0.10	28	4		0	1.4		
COMP (C) CEAP (C)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

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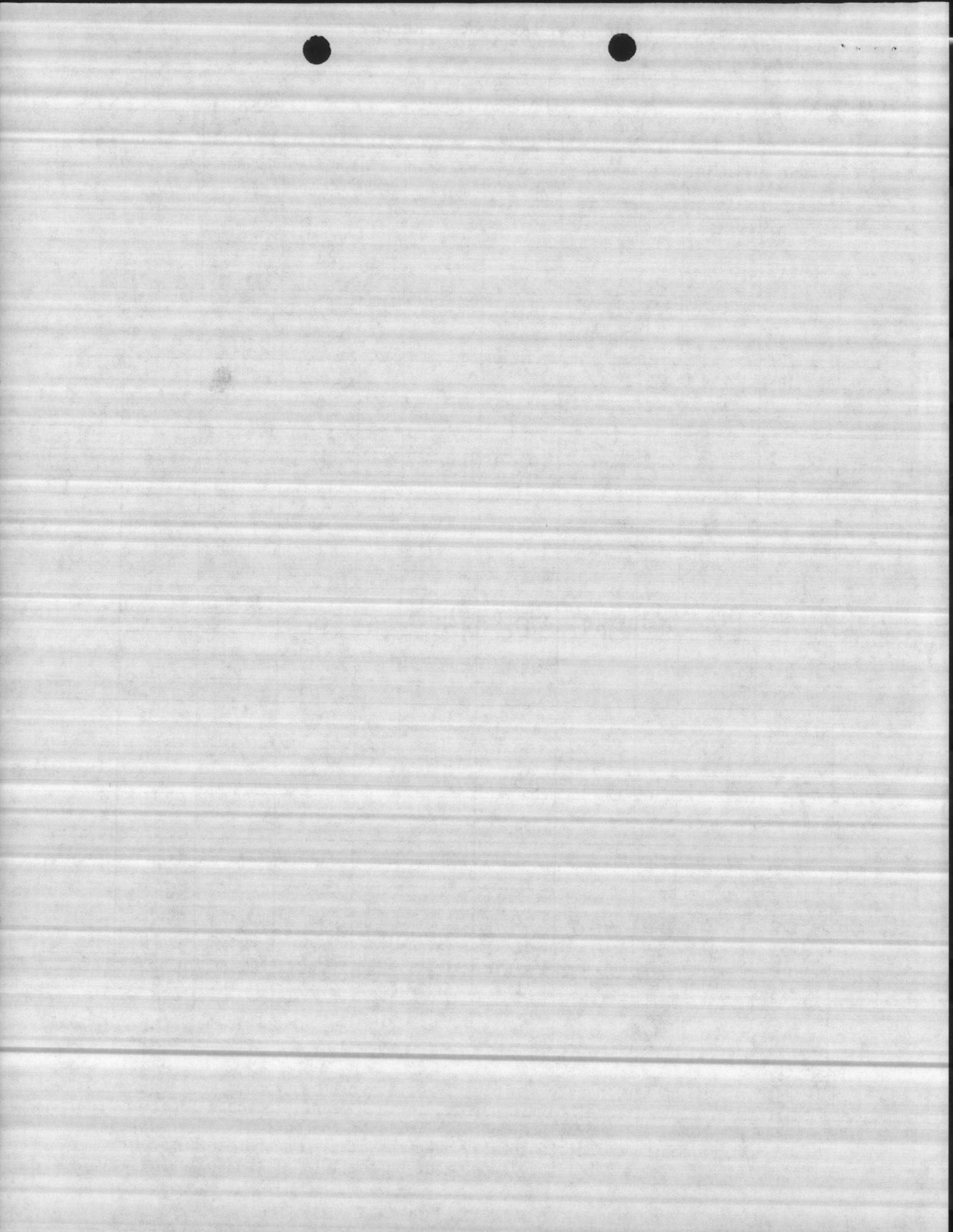


ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTEWATER TREATMENT PLANT WATER QUALITY
 MCBCL 11345/6 (REV. 9-86)

Plant Name		NPDES PERMIT No.						MONTH		YEAR	
Hiple Range		NCDD63037						August		1987	
DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED SOLIDS			COLIFORM	00656 OIL & GREASE	00600 TOTAL NITROGEN	00605 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MP/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3											
4									0.2		
5	62	3	95	0.18	41	3	93	0			
6											
7											
8											
9											
10											
11											
12	50	4	92	0.06	138	3	98	0		5.26	1.4
13											
14											
15											
16											
17											
18									0.5		
19	64	1	98	0.09	77	4	95	0			
20											
21											
22											
23											
24											
25											
26	52	4	92	0.10	63	5	92	0			
27											
28											
29											
30											
31											
TOTAL	228	12		14.39	319	15			0.17	5.26	1.4
AVERAGE	57	3	95	0.10	80	4	95	0	0.135	5.26	1.4
MAXIMUM	64	4		0.15	138	5		0	0.5	5.26	1.4
MINIMUM	50	1		0.06	41	3		0	0.2	5.26	1.4
COMP (C)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

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ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
 MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT No.							MONTH	YEAR		
	NC 0063053							AUG	1987		
DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00520 TOTAL SUSPENDED RESIDUE			00650 COLIFORM	00656 OIL + GREASE	00600 TOTAL NITROGEN	00645 TOTAL PHOSPHORUS
	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3											
4											
5											
6	164	14	91	2.0	74	8	89	0	8.4		
7											
8											
9											
10											
11									2.7		
12											
13	251	10	96	1.5	173	10	94	0		6.55	
14											
15											
16											
17											
18											
19											
20	87	7	92	0.08	131	8	94	0			
21											
22											
23											
24											
25											
26											
27	216	4	98	0.29	59	4	93	0			
28											
29											
30											
31											
TOTAL	718	35		3.85	437	30			11.1	6.55	
AVERAGE	180	9	95	1.00	109	8	93	0	5.6	6.55	
MAXIMUM	251	14		2.0	173	10		0	8.4	6.55	
MINIMUM	87	4		0.08	59	4		0	2.7	6.55	
WTP (C)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

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