

6286 MONTHLY REPORT OF WASTEWATER

JAN 01 1985

DEC 31 1985

(TEMPORARY) SECNAVINST 5212.5B
PART II, CHAP 6, PAR 6000(1)(c)
2 YRS



UNITED STATES MARINE CORPS

Natural Resources and Environmental Affairs Division

Marine Corps Base

Camp Lejeune, North Carolina 28542

IN REPLY REFER TO:

6286/1

NREAD

18 Dec 85

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

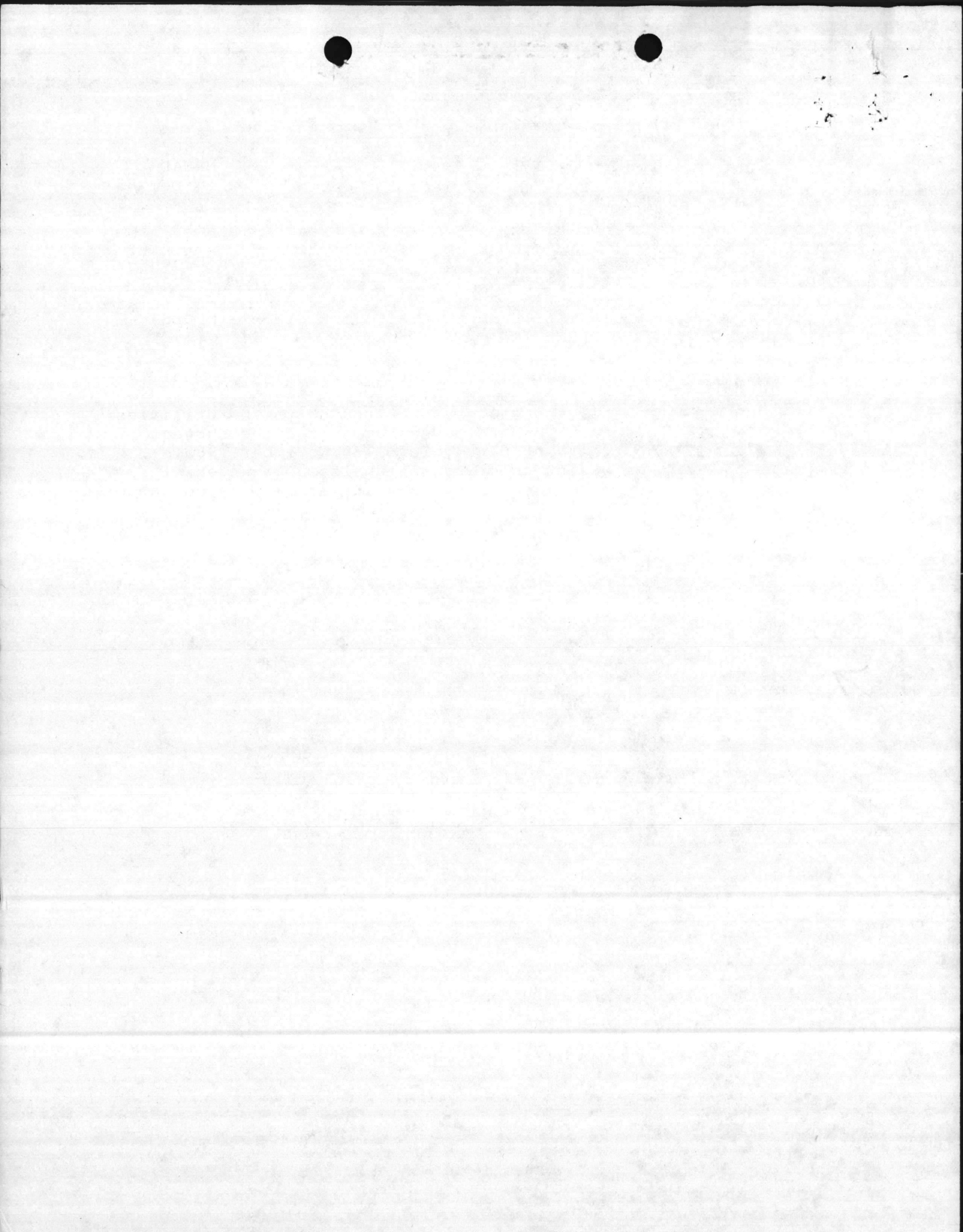
Encl: (1) Monthly Report of Waste Treatment Plant Water Quality

1. It is requested that the enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-30 November 1985. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NREAD permit.

D. D. SHARPE
Acting

Blind copy to:

QCL, NREAD



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

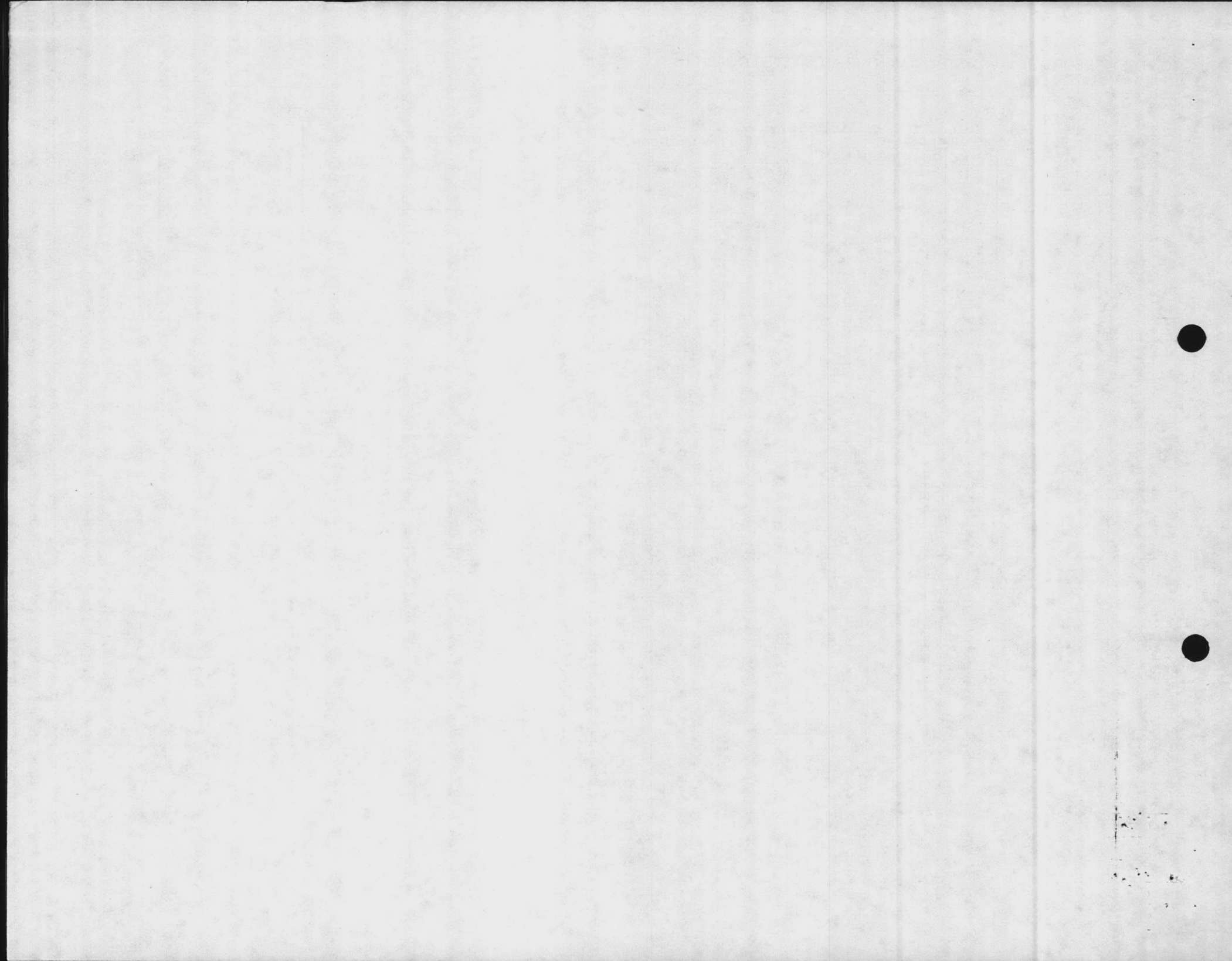
PLANT

CAMP GEIGER

MONTH

NOVEMBER 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	1585700	6.5	3.6	4.0	60	6	90	64	10	84		
2	1370200	7.0	3.2									
3	1338600	6.7	3.5									
4	1592700	NR	3.7									
5	1464800	6.2	3.5	5.0	72	11	85	39	4	90	2	
6	1431700	6.8	3.6	3.3	64	9	86	52	9	83	2	
7	1190600	6.8	3.5	4.4	80	14	83	36	2	94	0	
8	1001300	6.4	4.0	4.2	80	6	93	48	6	88		
9	881600	6.6	4.0									
10	993400	6.5	4.0									
11	973400	6.8	4.0									
12	978200	6.6	3.9	3.3	88	9	90	56	4	93	0	
13	916700		4.0	3.7	104	6	94	64	5	92	0	
14	887500		4.0	4.5	132	5	96	108	2	98	0	
15	928200		4.0	3.5	156	7	96	108	4	96		
16	762500		4.0									
17	807800		4.0									
18	642900		4.0									
19	1199700		4.0	4.8	LAB	ERROR	-----	60	6	90	0	
20	842700		4.0	4.8	LAB	ERROR	-----	82	7	91	0	
21	948400		4.0	4.5	120	5	96	116	5	96	0	
22	1307600		4.0	6.0	84	7	92	67	5	93		
23	1498000		4.0									
24	1298500		3.5									
25	1136700	6.7	4.0									
26	1249600	7.0	3.7	3.4	70	13	81	58	11	81	0	
27	1135500	6.8	4.0	4.1	96	7	93	30	2	93	0	
28	988800	6.6	4.0	3.4	64	6	91	51	3	94	0	
29	995400	6.4	4.0	3.6	96	2	98	84	2	98		
30	932200	6.6	4.0									
31												
Tot.	33280900		115.7		1366	113	1364/90.9	1123	87	1554/91.4	4	



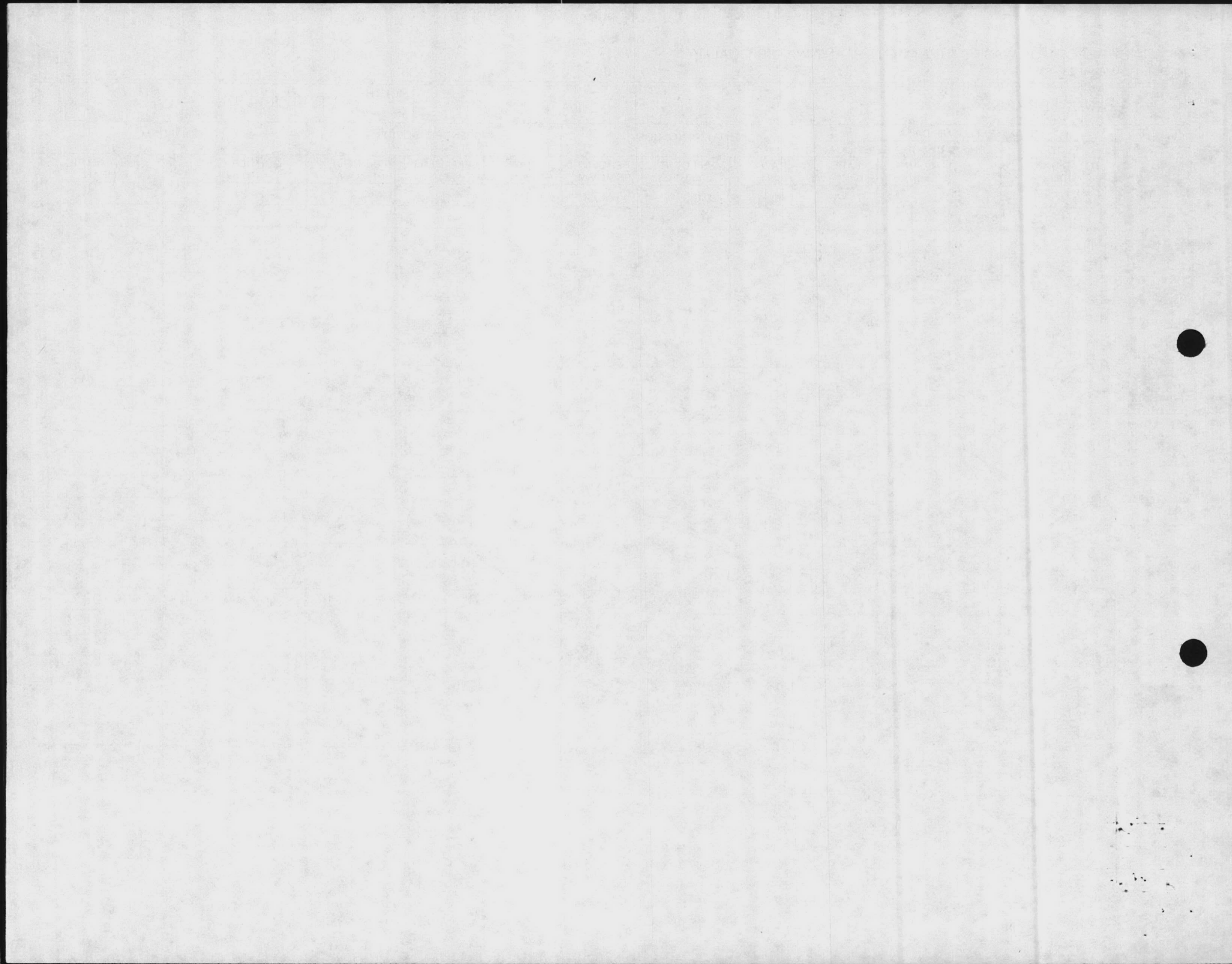
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT TARAWA TERRACE

MONTH NOVEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	1249500	6.3	4.0	2.5	116	15	87	112	8	93		
2	1149100	6.4	4.0									
3	1047000	6.3	5.0									
4	1515600	6.2	3.0									
5	989400	6.2	4.0	3.0	136	16	88	86	9	90	4	
6	870000	6.4	4.5	3.9	152	13	91	108	6	94	0	
7	862300	6.3	4.0	4.2	208	15	93	252	7	97	0	
8	865300	6.5	4.0	2.5	164	15	91	116	8	93		
9	887200	6.5	4.0									
10	957800	6.5	4.0									
11	876400	6.4	4.0									
12	884900	6.4	4.0	2.7	280	16	94	262	10	96	4	
13	860300	6.5	4.0	3.4	113	15	87	88	7	92	10	
14	856600	6.6	4.5	2.9	148	19	87	200	7	97	0	
15	789700	6.5	4.5	3.0	156	21	87	153	11	93		
16	873000	6.6	4.5									
17	729400	6.6	4.5									
18	1041100	6.5	4.0									
19	799000	6.6	4.0	4.2	LAB	ERROR	-----	68	7	90	2	
20	886200	6.6	4.0	3.6	LAB	ERROR	-----	147	9	94	4	
21	785600	6.3	4.0	3.5	260	12	95	400	13	97	2	
22	1146500	6.3	4.0	2.2	184	19	90	284	19	93		
23	984200	6.4	4.0									
24	945100	6.2	3.0									
25	898700	6.3	4.0									
26	954500	6.4	4.0	3.4	124	15	88	116	9	92	0	
27	884300	6.5	4.0	3.0	184	19	90	69	1	99	0	
28	1128000	6.4	4.0	1.6	160	18	89	69	7	90	0	
29	1843800	6.3	4.0	3.2	204	19	91	146	12	92		
30	1064900	6.6	4.0									
31												
Tot.	29625400		121.5		2589	247	1348/89	2676	150	1592/93	6	
Avg.	987513		4.0		173	16	90.8	157	9	94.3	1.02	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT CAMP JOHNSON

MONTH NOVEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	546700	6.6	5.0	3.3	44	9	80	78	6	92		
2	247500	6.5	4.0									
3	412000	6.3	5.0									
4	343500	6.5	4.0									
5	358000	6.6	4.0	4.5	48	11	77	20	5	75	0	
6	341600	6.6	5.0	5.8	48	8	83	22	6	73	0	
7	331900	6.7	5.0	5.2	36	9	75	8	4	50	2	
8	343300	6.6	5.0	1.9	Chlorine in #2 -----			28	5	82		
9	318000	6.6	4.0									
10	366600	6.5	5.0									
11	333400	6.5	5.0									
12	341800	6.5	4.0	3.5	44	10	77	49	17	65	2	
13	345300	6.6	3.0	3.0	96	10	90	84	4	95	4	
14	351800	6.8	5.0	4.6	152	10	93	39	3	92	0	
15	346500	6.6	6.0	-	136	15	89	90	12	87		
16	336000	6.6	5.0									
17	390800	6.6	5.0									
18	371100	6.7	5.0									
19	241600	6.5	5.0	3.3	LAB	ERROR	-----	36	8	78	0	
20	354300	6.5	4.0	4.3	LAB	ERROR	-----	74	8	89	0	
21	332500	6.5	3.0	3.8	56	10	82	60	11	82	0	
22	345600	6.5	4.0	2.5	116	13	89	310	12	96		
23	341500	6.4	5.0									
24	339400	6.5	4.5									
25	347400	6.4	6.0									
26	346300	6.4	4.0	4.2	66	11	83	174	10	94	0	
27	353500	6.7	4.0	5.0	96	11	88	42	2	95	0	
28	331900	6.6	5.0	2.2	44	8	82	15	4	73	72	
29	339000	6.4	5.0	2.2	124	5	96	130	7	95		
30	332500	6.5	5.0									
31												
Tot.	10431300		138.5		1206	1400	1184/84	1259	124	1413/83	1	
	247710		4.7		00		00	74	7	90.5	1.80	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT HADNOT POINT

MONTH NOVEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	4067000	6.8	4.1	3.3	132	17	87	122	10	92		
2	3532000	6.6	4.0									
3	3513000	6.6	4.0	3.4	80	11	86	60	7	88		
4	5079000	6.4	4.0									
5	3989000	6.6	4.0	3.5	128	11	91	148	6	96	2	
6	3799000	6.6	4.0	3.7	136	12	91	142	8	95	12	
7	3758000	6.6	4.0	3.5	148	13	90	244	7	97	0	
8	3587000	6.7	4.0	3.7	100	14	86	74	6	92		
9	3093000	6.8	4.0									
10	3244000	6.8	4.0	3.9	92	12	87	86	8	91		
11	3900000	6.8	4.0									
12	3325000	6.8	4.0	3.2	112	13	88	84	7	92	42	
13	3005000	6.8	4.0	3.9	160	13	92	100	5	95	2	
14	3564000	6.8	4.0	3.1	164	13	92	140	5	96	0	
15	3209000	6.7	4.0	2.5	120	15	88	110	10	91		
16	2900000	6.8	4.0									
17	3068000	6.8	4.0	3.5	LAB	ERROR	-----	106	11	90		
18	3466000	6.8	3.7									
19	3413000	6.7	3.9	3.7	LAB	ERROR	-----	64	6	90	62	
20	3474000	6.5	3.9	2.9	LAB	ERROR	-----	106	7	93	4	
21	3666000	6.6	4.0	4.5	140	14	90	96	9	91	56	
22	8000000	6.8	4.0	3.4	336	25	93	494	12	98		
23	3278000	6.7	4.0									
24	3011000	6.7	4.0	3.4	68	11	(84)	49	6	88		
25	3207000	6.7	4.0									
26	3678000	6.6	4.0	3.5	108	15	86	100	10	90	42	
27	3776000	6.6	4.0	2.5	124	16	87	60	4	93	10	
28	3258000	6.6	4.0	2.1	90	12	87	57	6	89	0	
29	3357000	6.7	4.0	3.4	128	10	92	134	9	93		
30	2766000	6.6	4.0									
31												
Tot.	108982000		119.6		2258	247	5097/88	2576	159	1940/92	4	
Ave.	3637733		3.9		125	14	88.8	123	8	93.5	6.91	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT RIFLE RANGE

MONTH NOVEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml.	GEOMETRIC MEAN
1	437910	6.6	4.0									
2	347220	6.3	4.0									
3	435760	6.6	3.8									
4	477340	6.7	3.5									
5	429640	6.4	3.8	2.8	40	6	85	24	1	96	0	
6	407150	6.4	3.9									
7	355320	6.8	2.3	1.8	28	4	86	28	2	93	0	
8	311880	6.5	4.1									
9	302040	6.5	4.0									
10	297910	6.6	4.8									
11	322280	6.5	4.3									
12	296880	6.5	4.6	6.3	20	3	85	45	8	82	0	
13	291290	6.5	5.9									
14	287600	6.5	4.5	2.4	24	4	83	67	1	99	0	
15	297950	6.6	4.0									
16	254210	6.5	4.9									
17	282560	6.6	4.4									
18	258620	6.6	5.0									
19	302200	6.4	4.0	2.3	LAB	ERROR	-----	98	2	98	0	
20	304170	6.5	4.0									
21	283650	6.5	3.5	1.2	88	5	94	176	4	98	10	
22	383200	6.5	7.0									
23	318510	6.5	4.0									
24	221720	6.5	6.5									
25	338910	6.5	5.0									
26	277860	6.5	5.0	3.2	36	4	89	28	3	89	96	
27	327600	6.6	4.5									
28	293580	6.6	5.4	4.2	24	2	92	13	2	85	0	
29	308510	6.6	4.6									
30	303250	6.6	5.0									
31												
Tot.	9756720		134.3		350	28	84/87.7	479	23	740/92.5		
Avg.	311862		4.3		37	4	89.2	60	3	95	2.36	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT	COURTHOUSE BAY	MONTH	NOVEMBER 1985
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DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	634530	6.8	3.2									
2	484380	6.9	4.1									
3	562200	6.9	2.8									
4	655260	6.9	1.9									
5	666550	6.7	2.6	1.8	176	7	96	134	1	99	0	
6	670250	6.7	3.3									
7	683150	6.7	2.5	1.8	108	6	94	78	1	99	4	
8	672400	6.6	3.3									
9	671200	6.7	1.9									
10	685490	6.6	2.2									
11	657410	6.7	3.2									
12	680000	6.6	2.4	0.9	96	6	94	153	9	94	10	
13	665420	6.6	2.6									
14	475680	6.7	2.3	2.4	84	7	92	44	1	98	0	
15	350450	6.7	4.0									
16	369050	6.7	3.8									
17	383890	6.7	3.1									
18	365560	6.8	3.6									
19	530100	6.7	2.9	1.3	LAB	ERROR	-----	1130	3	99	6	
20	515100	6.8	2.8									
21	551960	6.6	2.4	1.5	136	8	94	140	7	95	8000	
22	546410	6.8	4.3									
23	558100	6.7	4.1									
24	535470	6.9	2.0									
25	548400	6.9	3.3									
26	547460	6.8	4.0	1.8	76	7	91	171	8	95	8	
27	552800	6.7	4.0									
28	566710	6.8	4.0	1.9	46	6	87	26	4	85	8	
29	531390	6.8	3.9									
30	550150	6.7	4.3									
31												
Tot.	16866920		948.0		722	47	648/92.6	1876	34	764/95.5		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT **ON SLOW BEACH** MONTH **NOVEMBER 1985**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	112000	6.3	4.0									
2	106000	6.4	3.5									
3	102000	6.4	3.5									
4	86000	6.5	3.0									
5	97000	6.1	4.0	2.0	56	8	86	15	2	87	0	
6	102000	6.2	4.0									
7	134000	6.2	6.0	11.0	76	6	92	19	1	95	0	
8	122000	6.8	6.0									
9	104000	6.0	4.5									
10	85000	6.4	8.0									
11	89000	6.5	6.0									
12	94000	6.2	5.0	3.9	120	8	93	55	9	84	0	
13	74000	6.3	4.5									
14	92000	6.6	4.0	3.8	192	10	95	130	4	97	0	
15	102000	6.5	6.0									
16	110000	6.4	5.0									
17	85000	6.4	6.0									
18	83000	6.3	6.0									
19	91000	6.0	5.5	3.2	LAB	ERROR	-----	24	3	88	8	
20	86000	6.1	4.5									
21	104000	6.0	6.0	3.5	108	8	93	44	6	86	0	
22	112000	6.4	4.6									
23	109000	6.3	4.0									
24	84000	6.3	4.0									
25	89000	6.4	5.0									
26	87000	6.2	5.5	7.3	72	11	85	20	5	75	0	
27	74000	6.0	5.6									
28	92000	6.0	5.5	10.2	56	9	84	17	2	88	2	
29	104000	6.0	6.0									
30	101000	6.0	4.0									
31												
Tot.	2912000		149.1		680	60	628/89.7	324	32	700/87.5		
Ave.	97067		4.9		97	9	90.7	40	4	90.0	1.41	



6286/1
NREAD
13 Nov 1985

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-31 October 1985. The data/information, except chlorine residuals shown under the "LAB" column, are submitted to the EPA and State in accordance with the NPDES permit.

P. E. BLACK
Acting

Blind copy to:
→ QCL, NREAD

Writer: E. Betz, NREAD 5977
Typist: J. Cross 13Nov85

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBOL 11345/8 (REV. 6-83)

PLANT CAMP GEIGER

MONTH OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	793,200	6.4	3.8	2.8	108	4	96	74	1	99	0	
2	864,800	6.6	4.0	3.8	144	4	97	126	6	95	0	
3	853,800	6.6	4.0	3.7	152	4	97	84	2	98	0	
4	1,242,600	7.2	4.0	3.5	88	6	93	80	5	94		
5	911,800	6.8	3.5									
6	882,800	6.8	4.0									
7	893,000	6.8	4.0									
8	815,400	7.0	4.0	3.0	136	8	94	130	6	95	0	
9	890,500	6.4	4.0	3.6	196	6	97	90	10	89	0	
10	792,000	6.8	4.0	4.5	136	11	92	110	10	91	0	
11	998,300	6.4	3.5		120	8	93	85	7	92		
12	908,700	6.8	4.0									
13	1,024,500	6.8	3.8									
14	912,100	6.8	3.4									
15	926,500	6.9	4.0	3.8	116	3	97	68	4	94	0	
16	974,900	6.6	4.0	3.2	104	3	97	60	1	98	0	
17	859,600	6.5	4.0	4.3	152	4	97	144	1	99	6	
18	909,700	6.8	4.0	4.1	120	10	92	72	8	89		
19	759,100	6.8	4.0									
20	915,400	6.8	4.0									
21	1,250,900	6.8	3.4									
22	970,900	6.5	3.8	4.4	140	5	96	206	10	95	0	
23	997,300	6.6	4.0	3.0	104	6	94	166	24	86	0	
24	1,016,800	6.8	4.0	4.2	140	8	94	122	8	93	0	
25	1,000,300	6.5	4.0	3.8	140	10	93	120	4	97		
26	911,000	6.6	4.0									
27	891,500	6.6	4.0									
28	921,300	6.6	4.0									
29	896,800	6.6	4.0	4.9	116	6	95	86	4	95	0	
30	1,139,500	6.5	4.0	4.9	136	6	96	98	3	97	50	
31	1,408,700	6.4	4.0	2.5	88	15	83	158	29	80	0	
Tot.	29,533,600				2436	127	94.4 ¹⁷⁷³	2079	146	93.5 ¹⁷⁷⁴	1.46	
Ave.	952,700				128	7.0	94.5	109	8.0	92.7		

10	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
20	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
30	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
40	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
50	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
60	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
70	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
80	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
90	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
100	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0
Avg	1.75	100	8.0	100	8.0	100	8.0	100	8.0	100	8.0

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

TARAWA TERRACE

MONTH

OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	665,900	6.1	4.0	2.2	240	17	93	182	13	93	0	
2	636,900	6.5	4.0	3.1	188	14	93	104	11	89	0	
3	705,600	6.4	4.0	2.7	200	17	92	102	10	90	1,000	
4	899,700	6.2	3.0	1.4	132	15	89	236	12	95		
5	842,500	6.2	4.0									
6	780,200	6.3	4.0									
7	896,400	6.5	4.0									
8	979,100	6.3	4.0	2.5	156	15	90	170	12	93	0	
9	1,066,500	6.3	4.0	3.3	196	14	93	118	12	90	50	
10	992,600	6.8	4.0	2.6	156	13	92	140	13	91	6	
11	1,205,300	6.5	4.0	2.6	148	16	89	96	7	93		
12	1,051,900	6.5	4.0									
13	1,104,700	6.6	4.0									
14	1,107,200	6.6	4.0									
15	997,500	6.5	4.0	1.8	180	18	90	132	13	90	0	
16	998,600	6.6	4.0	2.5	252	17	93	350	9	97	4	
17	1,002,500	6.6	4.0	2.5	176	15	91	118	11	91	12	
18	1,984,000	6.6	4.0	3.3	124	17	86	130	15	88		
19	1,015,100	6.5	4.0									
20	1,084,100	6.5	4.0									
21	1,080,300	6.6	4.5									
22	919,300	6.5	4.5	3.6	172	16	91	170	15	91	4	
23	918,100	6.6	4.0	3.2	100	15	85	154	25	(84)	6	
24	928,100	6.3	4.0	3.5	172	20	88	90	12	87	2	
25	1,051,700	6.4	4.0	3.0	168	14	92	102	10	90		
26	927,100	6.4	5.0									
27	823,900	6.2	4.0									
28	910,300	6.3	4.0									
29	826,800	6.2	4.0	5.2	192	22	89	122	13	89	0	
30	1,060,800	6.5	4.0	3.2	144	18	88	146	10	93	4	
31	1,333,700	6.2	3.0	2.1	108	12	89	74	13	(82)	8	
Tot.	30,796,400				3204	305	90.2	2735	236	90.3	4.89	
Ave.	992,270				169	16.0	90.5	144	12.0	91.7		

993,432

Year	Month	Day	Time	Temp	Wind	Humidity	Pressure	Clouds	Visibility	Remarks
1952	Jan	1	08:00	32.0	10	65	30.0	100	10	Clear
1952	Jan	2	08:00	31.0	12	68	29.8	100	10	Clear
1952	Jan	3	08:00	30.0	15	70	29.6	100	10	Clear
1952	Jan	4	08:00	29.0	18	72	29.4	100	10	Clear
1952	Jan	5	08:00	28.0	20	75	29.2	100	10	Clear
1952	Jan	6	08:00	27.0	22	78	29.0	100	10	Clear
1952	Jan	7	08:00	26.0	25	80	28.8	100	10	Clear
1952	Jan	8	08:00	25.0	28	82	28.6	100	10	Clear
1952	Jan	9	08:00	24.0	30	85	28.4	100	10	Clear
1952	Jan	10	08:00	23.0	32	88	28.2	100	10	Clear
1952	Jan	11	08:00	22.0	35	90	28.0	100	10	Clear
1952	Jan	12	08:00	21.0	38	92	27.8	100	10	Clear
1952	Jan	13	08:00	20.0	40	95	27.6	100	10	Clear
1952	Jan	14	08:00	19.0	42	98	27.4	100	10	Clear
1952	Jan	15	08:00	18.0	45	100	27.2	100	10	Clear
1952	Jan	16	08:00	17.0	48	100	27.0	100	10	Clear
1952	Jan	17	08:00	16.0	50	100	26.8	100	10	Clear
1952	Jan	18	08:00	15.0	52	100	26.6	100	10	Clear
1952	Jan	19	08:00	14.0	55	100	26.4	100	10	Clear
1952	Jan	20	08:00	13.0	58	100	26.2	100	10	Clear
1952	Jan	21	08:00	12.0	60	100	26.0	100	10	Clear
1952	Jan	22	08:00	11.0	62	100	25.8	100	10	Clear
1952	Jan	23	08:00	10.0	65	100	25.6	100	10	Clear
1952	Jan	24	08:00	9.0	68	100	25.4	100	10	Clear
1952	Jan	25	08:00	8.0	70	100	25.2	100	10	Clear
1952	Jan	26	08:00	7.0	72	100	25.0	100	10	Clear
1952	Jan	27	08:00	6.0	75	100	24.8	100	10	Clear
1952	Jan	28	08:00	5.0	78	100	24.6	100	10	Clear
1952	Jan	29	08:00	4.0	80	100	24.4	100	10	Clear
1952	Jan	30	08:00	3.0	82	100	24.2	100	10	Clear
1952	Jan	31	08:00	2.0	85	100	24.0	100	10	Clear

STORM DRAINS

NPDES NO: NC0003239

MONTH: December

YEAR: 1985

LOCATION: Marine Corps Base, Camp Lejeune, NC

COUNTY: Onslow

<u>STORM DRAIN NUMBER</u>	<u>DATE COLLECTED</u>	<u>FLOW 50050</u>	<u>pH 00400</u>	<u>TOTAL SUSPENDED RESIDUE 00530</u>	<u>OIL & GREASE 00556</u>
21	11 Dec 85	Dry			
22	11 Dec 85	Dry			
23	11 Dec 85	Dry			
25	11 Dec 85	Dry			
27	11 Dec 85	Dry			
66	11 Dec 85	Dry			
70	11 Dec 85	Dry			
71	11 Dec 85	Dry			
72	11 Dec 85	583,200	6.6	5	4.4
73	11 Dec 85	Dry			
74	11 Dec 85	Dry			
75	11 Dec 85	Dry			
76	11 Dec 85	No longer in Existence			
77	11 Dec 85	No Flow			
78	19 Dec 85	583,200	7.1	6	4.8
79	19 Dec 85	Dry			
80	19 Dec 85	Dry			

<u>Parameter</u>	<u>Units</u>	<u>Limits</u>
Flow	GPD	none
pH	none	6 - 9
TSR	mg/l	50 mg/l
O&G	mg/l	15 mg/l

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP JOHNSON

MONTH

OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	346,100	6.5	5.0	2.7	44	6	86	16	6	63	0	
2	337,500	6.6	4.0	4.3	104	6	94	44	8	82	0	
3	360,600	6.4	2.5	1.2	156	5	97	174	4	98	0	
4	381,600	6.5	4.0	1.7	80	8	90	184	21	89		
5	372,400	6.4	4.0									
6	271,700	6.4	4.0									
7	326,500	6.4	5.0									
8	343,200	6.6	4.0	3.8	100	9	91	72	12	83	0	
9	344,400	6.5	4.0	3.9	116	5	96	56	11	80	0	
10	345,600	6.4	5.0	3.2	116	7	94	78	13	83	0	
11	342,100	6.4	5.0	3.1	96	10	90	146	12	92		
12	310,500	6.5	8.0									
13	356,600	6.4	8.0									
14	337,900	6.4	4.0									
15	339,700	6.6	4.0	3.0	60	5	92	78	6	92	0	
16	320,300	6.6	5.0	4.2	104	5	95	94	2	98	0	
17	320,000	6.6	5.0	4.3	160	7	96	48	2	96	0	
18	449,700	6.5	4.0	3.3	108	7	94	40	4	90		
19	248,400	6.5	8.0									
20	338,500	6.5	6.0									
21	331,400	6.6	5.0									
22	354,300	6.6	5.0	4.4	72	9	88	90	10	89	0	
23	344,000	6.6	5.0	3.2	156	9	94	156	24	84	0	
24	393,000	6.6	6.0	3.5	148	8	95	100	6	94	0	
25	341,600	6.6	5.0	3.0	68	7	90	36	5	86		
26	324,100	6.6	4.0									
27	314,400	6.6	4.0									
28	330,600	6.7	4.0									
29	340,000	6.5	6.0	5.5	144	10	93	54	5	91	0	
30	536,600	6.6	5.0	6.1	84	8	91	84	5	94	0	
31	542,200	6.7	4.0	2.5	100	9	91	94	11	88	0	
Tot.	10,945,500				2016	140	92.5 ^{175%}	1644	167	88.0 ^{167%}	0.0	
Ave.	353,080				106	7.0	93.4	87	9.0	89.7		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT

HADNOT POINT

MONTH

OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	5,847,000	6.5	3.5	2.4	116	11	91	88	7	92	8	
2	5,809,000	6.8	3.4	2.6	116	12	90	92	10	89	2	
3	5,611,000	6.6	3.8	2.2	124	12	90	96	7	93	40	
4	5,877,000	6.7	2.8	1.8	116	14	88	116	10	91		
5	4,521,000	6.6	3.4									
6	4,323,000	6.6	3.5		128	12	91	60	4	93		
7	4,439,000	6.7	4.0									
8	4,174,000	6.7	4.0	2.8	124	15	88	128	11	91	0	
9	4,184,000	6.7	4.1	2.8	148	16	89	128	13	90	4	
10	4,417,000	6.7	4.0	3.2	152	17	89	140	13	91	28	
11	4,675,000	6.4	3.7	3.1	160	18	89	156	9	94		
12	3,935,000	6.6	4.0									
13	3,985,000	6.6	4.0		64	8	88	60	5	92		
14	4,180,000	6.3	4.0									
15	4,252,000	6.8	4.0	3.0	92	10	89	102	8	92	0	
16	4,538,000	6.6	4.0	3.0	128	15	88	108	6	94	0	
17	4,749,000	6.8	4.0	3.0	104	12	88	90	5	94	4	
18	3,934,000	6.8	4.0	2.8	116	12	90	98	8	92		
19	4,111,000	6.8	4.0									
20	5,326,000	6.6	4.0	2.6	128	12	91	96	10	90		
21	4,745,000	6.6	4.0									
22	4,610,000	6.6	4.0	3.9	136	12	91	126	12	90	10	
23	4,601,000	6.8	4.0	3.2	100	15	85	154	25	(84)	6	
24	4,694,000	6.6	4.0	3.5	156	17	89	96	10	90	4	
25	4,864,000	6.7	3.9	3.6	104	15	86	80	11	86		
26	4,113,000	6.8	4.0									
27	4,643,000	6.7	4.0	3.2	60	11	(82)	46	6	87		
28	4,827,000	6.8	4.0									
29	4,931,000	6.7	4.0	3.7	132	17	87	94	10	89	10	
30	6,154,000	6.7	4.0	3.8	120	19	(84)	106	11	90	8	
31	5,488,000	6.6	4.0	3.7	188	18	90	208	14	93	0	
Tot.	146,557,000				2812	320	88.4 ²⁰³³	2468	225	90.7 ²⁰⁸⁷	4.46	
Ave.	4,727,645				122	14.0	88.5	107	10.0	90.7		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT

RIFLE RANGE

MONTH

OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	499,210	6.6	4.4	3.2	28	3	89	20	1	95	0	
2	306,540	6.6	5.6									
3	294,000	6.4	5.3	3.0	28	4	86	76	1	99	6	
4	393,660	6.4	4.0									
5	320,020	6.4	4.7									
6	293,220	6.4	4.9									
7	301,530	6.4	4.0									
8	257,640	6.5	4.6	0.5	40	6	85	176	7	96	0	
9	252,300	6.6	4.9									
10	227,960	6.4	4.5	4.3	84	7	92	210	8	96	0	
11	220,960	6.6	5.1									
12	227,350	6.6	5.0									
13	223,130	6.5	3.6									
14	391,300	6.7	3.0									
15	263,180	6.4	5.4	5.0	20	2	90	146	7	95	0	
16	249,310	6.6	5.5									
17	248,980	6.4	4.9	6.6	16	2	88	24	1	96	0	
18	254,070	6.4	5.5									
19	229,950	6.4	6.0									
20	271,240	6.4	4.0									
21	183,180	6.4	4.0									
22	285,620	6.4	4.8	3.7	48	8	83	170	8	95	6	
23	277,440	6.5	3.9									
24	255,440	6.4	4.1	3.1	36	3	92	144	2	99	0	
25	242,250	6.7	6.4									
26	240,860	6.8	5.0									
27	221,890	6.6	6.1									
28	256,940	6.4	4.4									
29	270,400	6.4	4.3	2.0	56	6	89	188	4	98	0	
30	455,100	6.3	4.7									
31	399,170	6.6	3.6	2.2	24	5	79	148	5	97	0	
Tot.	8,813,840				380	46	87.3	1302	44	96.6	1.43	
Ave.	284,317				38	5.0	86.8	130	4.0	96.9		

The image shows a document with a table. The text is extremely faint and largely illegible. The table appears to have multiple columns and rows, with some numbers and text visible but difficult to decipher. Two circular marks are present on the left side of the page. Faint numbers such as '100', '101', '102', and '103' are scattered across the page.



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCI 11345/8 (REV. 6-83)

PLANT

COURTHOUSE BAY

MONTH OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	360,070	6.7	2.1	0.6	140	6	96	187	3	98	0	
2	378,220	6.4	3.8									
3	368,810	6.5	4.2	1.8	40	10	(75)	37	9	(76)	2	
4	382,380	6.8	2.9									
5	347,420	6.6	1.3									
6	359,600	6.8	3.9									
7	380,000	7.0	3.8									
8	347,700	7.0	3.3	2.3	172	9	95	160	21	87	0	
9	422,100	7.0	3.9									
10	397,190	6.8	3.5	2.0	128	11	91	228	20	91	2	
11	365,710	6.6	4.5									
12	351,150	6.4	4.5									
13	421,840	6.8	4.5									
14	375,510	6.6	2.9									
15	385,500	6.6	3.3	2.3	148	3	98	144	7	95	0	
16	312,450	6.6	3.4									
17	320,450	6.7	3.1	1.6	88	4	95	64	4	94	4	
18	364,200	6.8	2.9									
19	377,650	6.8	2.8									
20	389,250	6.6	3.1									
21	407,850	6.7	3.7									
22	408,220	6.8	3.8	2.0	140	8	94	102	14	86	0	
23	374,570	6.7	3.9									
24	374,160	6.8	5.1	3.8	84	5	94	64	8	88	0	
25	287,050	6.6	4.7									
26	439,750	6.7	2.5									
27	370,400	6.8	2.8									
28	362,200	6.7	2.6									
29	358,100	6.8	3.0	1.9	140	8	94	108	6	94	8,000	
30	485,600	6.8	3.9									
31	555,180	6.8	2.3	1.8	128	6	95	290	4	99	80	
Tot.	11,830,280				1208	70	92.7 ^{92.7}	1384	96	90.8 ^{90.8}	5.02	
Ave.	381,621				121	7.0	94.2	138	10.0	92.5		



Item	Quantity	Unit Price	Total Price	Notes
1000	1000	1.00	1000.00	
2000	2000	2.00	4000.00	
3000	3000	3.00	9000.00	
4000	4000	4.00	16000.00	
5000	5000	5.00	25000.00	
6000	6000	6.00	36000.00	
7000	7000	7.00	49000.00	
8000	8000	8.00	64000.00	
9000	9000	9.00	81000.00	
10000	10000	10.00	100000.00	
11000	11000	11.00	121000.00	
12000	12000	12.00	144000.00	
13000	13000	13.00	169000.00	
14000	14000	14.00	196000.00	
15000	15000	15.00	225000.00	
16000	16000	16.00	256000.00	
17000	17000	17.00	289000.00	
18000	18000	18.00	324000.00	
19000	19000	19.00	361000.00	
20000	20000	20.00	400000.00	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT ONSLow BEACH

MONTH OCTOBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	110,000	6.3	4.5	3.2	76	11	86	74	5	93	0	
2	109,000	6.5	4.0									
3	92,000	6.6	4.0	7.7	84	6	93	68	2	97	50	
4	86,000	6.6	5.0									
5	99,000	6.6	4.0									
6	95,000	6.6	3.5									
7	110,000	6.6	4.0									
8	125,000	6.1	4.0	5.2	168	8	95	56	5	91	22	
9	127,000	6.4	3.0									
10	129,000	6.3	4.5	4.1	80	7	91	54	7	87	4	
11	124,000	6.5	5.0									
12	136,000	6.5	4.0									
13	130,000	6.5	4.0									
14	90,000	6.5	4.0									
15	97,000	6.3	2.5	3.1	60	4	93	56	4	93	0	
16	95,000	6.4	3.5									
17	110,000	6.4	3.5	2.0	128	6	95	18	1	94	0	
18	120,000	6.3	3.5									
19	134,000	6.2	5.0									
20	129,000	6.2	4.0									
21	110,000	6.2	4.0									
22	120,000	6.3	4.0	3.8	168	9	95	86	8	91	14	
23	135,000	6.4	4.0									
24	120,000	6.3	4.0	4.7	212	18	92	66	6	91	2	
25	102,000	6.3	4.0									
26	85,000	6.5	5.0									
27	97,000	6.4	4.0									
28	100,000	6.4	4.0									
29	102,000	6.4	5.0	1.4	136	9	93	38	4	89	2	
30	150,000	6.3	4.0									
31	162,000	6.1	3.0	3.0	24	6	(75)	23	7	(70)	140	
Tot.	3,530,000				1136	84	90.8 ^{90.8}	539	49	89.6 ^{89.6}	5.54	
Ave.	113,870				114	8.0	93.0	54	5.0	90.7		

6280/1
NREAD

OCT 08 1985

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-30 September 1985. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to:
QCL, NREAD

Writer: E. Betz, NREAD, x5977
Typist: A. Blackstock, 7 October 1985

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP GEIGER

MONTH

SEPTEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	647,000	6.6	3.0									
2	705,000	6.6	3.0									
3	784,000	6.6	3.1	3.0	68	4	94	68	4	94	0	
4	680,000	6.6	3.4	3.1	108	6	94	56	1	98	0	
5	1,116,000	6.8	3.7	2.6	140	6	96	116	4	97	0	
6	729,000	6.8	3.5	3.0	148	8	95	102	4	96		
7	724,000	6.6	3.5									
8	752,000	6.4	3.0									
9	702,000	6.6	3.0									
10	760,000	6.6	3.0	2.2	144	9	94	102	6	94	0	
11	922,000	6.6	3.4	3.1	84	4	95	34	1	97	0	
12	791,000	6.9	3.5	3.0	120	6	95	54	1	98	0	
13	1,223,000	6.8	4.0	1.5	232	11	95	155	2	99		
14	1,211,000	6.8	4.0									
15	1,249,000	6.8	3.8									
16	1,210,000	6.8	4.0									
17	745,000	7.1	4.0	3.5	160	5	97	100	1	99	0	
18	732,000	6.6	3.7	3.0	108	5	95	50	4	92	0	
19	754,000	6.6	3.5	3.7	168	3	98	94	3	97	0	
20	728,000	6.7	3.8	3.3	132	7	95	96	3	97		
21	629,000	6.6	4.0									
22	801,000	6.8	3.7									
23	770,000	6.6	4.0									
24	667,000	6.6	4.0		120	7	94	92	5	95	0	
25	711,000	6.8	4.0	3.5	116	7	94	76	3	96	0	
26	917,000	6.9	4.0	3.2	100	7	93	86	7	92	0	
27	1,030,000	7.0	4.0	3.1	120	14	88	88	19	78		
28	802,000	6.8	4.0									
29	813,000	6.5	4.0									
30	897,000	6.5	4.0									
31							1512			1519		
Tot.	25,201,000				2068	109	94.5	1369	65	94.9		
Ave.	840,033				129	7	94.6	86	4	95.3	0.0	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

TARAWA TERRACE

MONTH

SEPTEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	623,500	6.4	4.5									
2	669,100	6.4	4.5									
3	668,500	6.5	5.0	2.0	208	16	92	146	12	92	0	
4	637,000	6.6	4.0	3.4	176	14	92	92	8	91	0	
5	596,300	6.3	3.0	3.4	180	13	93	118	11	91	1,000	
6	693,800	6.3	4.0	2.8	176	12	93	102	10	90		
7	670,700	6.3	4.0									
8	723,900	6.4	4.0									
9	710,700	6.5	4.0									
10	719,100	6.6	4.0	4.1	192	12	94	146	10	93	60	
11	672,000	6.6	4.0	3.2	236	11	95	188	8	96	6	
12	645,400	6.6	4.0	2.6	188	11	94	90	5	94	4	
13	630,600	6.5	4.0	3.7	312	12	96	313	9	97		
14	645,400	6.6	5.0									
15	674,600	6.6	4.0									
16	653,400	6.4	4.0									
17	632,200	6.6	4.0	3.7	220	15	93	88	7	92	0	
18	616,500	6.6	4.0	2.0	176	14	92	118	8	93	0	
19	630,600	6.5	4.0	2.6	192	18	91	96	11	89	TNTC (>60)	
20	612,800	6.5	4.0	3.0	184	19	90	122	12	90		
21	618,800	6.6	4.0									
22	873,700	6.5	4.0									
23	650,200	6.6	4.0									
24	680,800	6.5	4.0		184	16	91	112	9	92	100	
25	633,700	6.6	4.0	3.3	184	17	90	86	10	88	4	
26	1,024,700	6.2	4.0	2.5	168	16	90	110	13	88	6	
27	959,000	6.0	2.5	2.8	132	18	86	100	17	83		
28	685,400	6.0	5.0									
29	699,200	6.3	4.0									
30	671,100	6.1	4.0									
31							1472			1459		
Tot.	20,622,700				3108	234	92.0	2027	160	91.2	8.77	
Ave.	687,423				194	15	92.3	127	10	92.1	8.77	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT CAMP JOHNSON

MONTH SEPTEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	326,200	6.5	4.0									
2	344,700	6.6	7.0									
3	365,600	6.7	2.0	1.5	152	6	96	247	2	99	0	
4	345,100	6.4	4.0	3.3	84	5	94	28	15	46	0	
5	331,700	6.4	5.0	1.1	128	5	96	41	5	88	2	
6	357,100	6.4	4.0		172	5	97	52	4	92		
7	363,000	6.6	8.0									
8	301,800	6.6	4.0									
9	343,000	6.7	5.0									
10	341,000	6.5	4.0	2.8	136	8	94	86	6	93	2	
11	343,400	6.6	3.0	3.2	120	6	95	36	2	94	0	
12	382,700	6.5	6.0	4.8	200	5	98	34	3	91	0	
13	263,900	6.5	4.0	1.5	104	7	93	14	2	86		
14	365,700	6.4	6.0									
15	413,900	6.4	5.0									
16	281,400	6.4	3.0									
17	348,200	6.6	3.3	1.1	68	7	90	32	1	97	0	
18	341,100	6.6	5.0	0.8	68	5	97	58	4	93	0	
19	346,500	6.4	2.0	1.9	140	5	96	98	6	94	0	
20	342,600	6.7	6.0	2.3	108	6	94	48	6	88		
21	320,000	6.6	6.0									
22	335,700	6.6	5.0									
23	343,600	6.0	4.0									
24	354,000	6.6	3.0		104	5	95	88	7	92	0	
25	365,500	6.7	5.0	1.6	120	7	94	44	2	95	6	
26	312,500	6.8	5.0	4.5	76	6	92	54	6	89	-	
27	366,700	6.5	5.0	1.7	88	7	92	110	10	91		
28	324,000	6.7	5.0									
29	321,600	6.5	6.0									
30	330,500	6.5	5.0									
31							1513			1428		
Tot.	10,222,700				1868	95	94.6	1070	81	89.3	1.3	
Ave.	340,757				117	6	94.9	67	5	92.5		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT HADNOT POINT										MONTH SEPTEMBER 1985		
DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	2,486,000	6.6	3.9	3.1	72	9	88	64	9	86		
2	2,662,000	6.7	3.8									
3	3,021,000	6.7	3.4	1.6	132	11	92	120	11	91	24	
4	3,171,000	6.6	3.9	4.3	120	12	90	72	7	90	20	
5	3,338,000	6.5	3.7	2.9	144	13	91	82	8	90	0	
6	3,299,000	6.8	3.1	2.3	140	13	91	124	9	93		
7	2,947,000	6.7	3.3									
8	3,033,000	6.6	3.7	2.6	LAB ERROR			102	8	92		
9	3,598,000	6.6	3.9									
10	3,695,000	6.5	3.8	2.6	156	10	94	106	12	89	14	
11	4,092,000	6.6	3.5	2.7	200	12	94	104	10	90	4	
12	3,989,000	6.6	3.8	2.8	120	12	90	106	10	91	18	
13	3,569,000	6.6	4.0	1.2	172	15	91	54	8	85		
14	4,279,000	6.5	4.0									
15	6,213,000	6.5	4.1	3.5	116	15	87	74	8	89		
16	5,419,000	6.6	4.0									
17	5,232,000	6.6	4.0	3.7	140	15	89	86	7	92	8	
18	5,076,000	6.6	4.0	1.0	128	14	89	136	10	93	0	
19	3,370,000	6.8	4.0	3.5	172	17	90	134	9	93	TNTC (> 60)	
20	2,993,000	6.6	4.0	3.2	120	12	90	84	8	90		
21	2,696,000	6.8	4.0									
22	3,203,000	6.6	3.5	3.0	100	11	89	120	6	95		
23	3,249,000	6.8	3.3									
24	3,223,000	6.6	4.0		112	8	93	104	8	92	2	
25	3,270,000	6.6	3.4	2.0	112	14	88	70	6	91	40	
26	4,273,000	6.6	3.5	2.2	104	15	86	78	11	86	0	
27	5,342,000	6.6	3.6	3.2	112	17	85	72	11	85		
28	3,353,000	6.6	4.0									
29	3,180,000	6.6	4.0	3.0	104	19	82	52	7	87	0	
30	3,781,000	6.7	4.0									
31							1789			1890		
Tot.	111,052,000				2576	264	89.5	1944	183	90.0	6.16	
Ave.	3,701,733				129	13	89.9	93	9	90.3		



Item	Quantity	Unit Price	Total Price	Notes
1.000	1.000	1.000	1.000	
2.000	2.000	2.000	4.000	
3.000	3.000	3.000	9.000	
4.000	4.000	4.000	16.000	
5.000	5.000	5.000	25.000	
6.000	6.000	6.000	36.000	
7.000	7.000	7.000	49.000	
8.000	8.000	8.000	64.000	
9.000	9.000	9.000	81.000	
10.000	10.000	10.000	100.000	
11.000	11.000	11.000	121.000	
12.000	12.000	12.000	144.000	
13.000	13.000	13.000	169.000	
14.000	14.000	14.000	196.000	
15.000	15.000	15.000	225.000	
16.000	16.000	16.000	256.000	
17.000	17.000	17.000	289.000	
18.000	18.000	18.000	324.000	
19.000	19.000	19.000	361.000	
20.000	20.000	20.000	400.000	
21.000	21.000	21.000	441.000	
22.000	22.000	22.000	484.000	
23.000	23.000	23.000	529.000	
24.000	24.000	24.000	576.000	
25.000	25.000	25.000	625.000	
26.000	26.000	26.000	676.000	
27.000	27.000	27.000	729.000	
28.000	28.000	28.000	784.000	
29.000	29.000	29.000	841.000	
30.000	30.000	30.000	900.000	
31.000	31.000	31.000	961.000	
32.000	32.000	32.000	1024.000	
33.000	33.000	33.000	1089.000	
34.000	34.000	34.000	1156.000	
35.000	35.000	35.000	1225.000	
36.000	36.000	36.000	1296.000	
37.000	37.000	37.000	1369.000	
38.000	38.000	38.000	1444.000	
39.000	39.000	39.000	1521.000	
40.000	40.000	40.000	1600.000	
41.000	41.000	41.000	1681.000	
42.000	42.000	42.000	1764.000	
43.000	43.000	43.000	1849.000	
44.000	44.000	44.000	1936.000	
45.000	45.000	45.000	2025.000	
46.000	46.000	46.000	2116.000	
47.000	47.000	47.000	2209.000	
48.000	48.000	48.000	2304.000	
49.000	49.000	49.000	2401.000	
50.000	50.000	50.000	2500.000	
51.000	51.000	51.000	2601.000	
52.000	52.000	52.000	2704.000	
53.000	53.000	53.000	2809.000	
54.000	54.000	54.000	2916.000	
55.000	55.000	55.000	3025.000	
56.000	56.000	56.000	3136.000	
57.000	57.000	57.000	3249.000	
58.000	58.000	58.000	3364.000	
59.000	59.000	59.000	3481.000	
60.000	60.000	60.000	3600.000	
61.000	61.000	61.000	3721.000	
62.000	62.000	62.000	3844.000	
63.000	63.000	63.000	3969.000	
64.000	64.000	64.000	4096.000	
65.000	65.000	65.000	4225.000	
66.000	66.000	66.000	4356.000	
67.000	67.000	67.000	4489.000	
68.000	68.000	68.000	4624.000	
69.000	69.000	69.000	4761.000	
70.000	70.000	70.000	4900.000	
71.000	71.000	71.000	5041.000	
72.000	72.000	72.000	5184.000	
73.000	73.000	73.000	5329.000	
74.000	74.000	74.000	5476.000	
75.000	75.000	75.000	5625.000	
76.000	76.000	76.000	5776.000	
77.000	77.000	77.000	5929.000	
78.000	78.000	78.000	6084.000	
79.000	79.000	79.000	6241.000	
80.000	80.000	80.000	6400.000	
81.000	81.000	81.000	6561.000	
82.000	82.000	82.000	6724.000	
83.000	83.000	83.000	6889.000	
84.000	84.000	84.000	7056.000	
85.000	85.000	85.000	7225.000	
86.000	86.000	86.000	7396.000	
87.000	87.000	87.000	7569.000	
88.000	88.000	88.000	7744.000	
89.000	89.000	89.000	7921.000	
90.000	90.000	90.000	8100.000	
91.000	91.000	91.000	8281.000	
92.000	92.000	92.000	8464.000	
93.000	93.000	93.000	8649.000	
94.000	94.000	94.000	8836.000	
95.000	95.000	95.000	9025.000	
96.000	96.000	96.000	9216.000	
97.000	97.000	97.000	9409.000	
98.000	98.000	98.000	9604.000	
99.000	99.000	99.000	9801.000	
100.000	100.000	100.000	10000.000	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

RIFLE RANGE

MONTH

SEPTEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	270,620	6.6	4.3									
2	329,890	6.4	5.5									
3	244,060	6.5	4.0	5.5	40	4	90	270	1	99	0	
4	214,300	6.3	4.4									
5	203,850	6.9	4.6	9.0	20	3	85	40	3	93	0	
6	212,790	6.6	3.9									
7	201,770	6.5	4.0									
8	192,780	6.5	6.0									
9	173,200	6.5	4.9									
10	210,920	6.5	4.6	2.1	52	8	85	250	8	97	0	
11	189,560	6.5	4.9									
12	188,190	6.4	4.5	3.0	44	6	86	148	1	99	0	
13	135,230	6.5	4.1									
14	392,610	6.4	3.9									
15	264,410	6.4	2.0									
16	163,340	6.5	3.5									
17	187,960	6.4	4.4	6.0	64	7	89	22	1	95	0	
18	174,550	6.5	4.7									
19	172,270	6.5	4.5	6.2	84	3	96	400	2	99	—	
20	155,640	6.5	6.0									
21	144,920	6.6	4.6									
22	163,520	6.4	6.0									
23	137,120	6.4	4.5									
24	258,250	6.4	4.6		36	6	83	188	4	98	0	
25	232,370	6.4	4.9									
26	346,180	6.4	5.5	4.5	36	5	86	64	2	97	0	
27	362,780	6.5	4.5									
28	337,970	6.5	7.0									
29	323,550	6.4	2.8									
30	344,500	6.5	4.3									
31							700			777		
Tot.	6,929,100				376	42	87.5	1382	22	97.1	0.0	
Ave.	230,970				47	5	89.4	173	3	98.3		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT **COURTHOUSE BAY**

MONTH **SEPTEMBER 1985**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	413,650	6.5	4.0									
2	501,330	6.4	3.2									
3	537,650	6.8	2.5	1.0	96	5	95	148	6	96	0	
4	501,750	6.8	3.4									
5	555,200	6.6	3.2	1.1	104	5	94	122	4	97	0	
6	548,900	6.6	3.3									
7	593,550	6.6	3.9									
8	578,150	6.6	3.9									
9	539,800	6.6	2.2									
10	451,310	6.7	2.4	0.9	236	7	97	144	7	95	1,000	
11	366,080	6.6	3.8									
12	399,810	6.7	2.9	1.5	92	6	93	74	1	99	0	
13	352,300	6.8	4.0									
14	370,700	6.7	3.6									
15	276,500	6.8	2.9									
16	327,350	6.8	2.8									
17	420,050	6.7	2.9	1.0	168	7	96	182	2	99	0	
18	439,130	6.8	2.8									
19	326,810	6.8	3.1	2.2	160	3	98	140	3	98	2	
20	391,630	6.9	2.8									
21	239,850	6.3	3.8									
22	443,900	6.3	3.5									
23	308,780	6.3	3.8									
24	395,350	6.2	1.8	3.1	104	8	92	88	6	93	0	
25	355,820	6.7	3.3									
26	359,100	6.8	3.9	2.7	60	13	78	50	11	78	0	
27	479,330	6.6	4.0									
28	398,750	7.0	2.3									
29	349,650	6.7	3.4									
30	361,240	6.6	3.1									
31							743			755		
Tot.	12,583,420				1020	54	92.9	948	40	94.4	2.6	
Ave.	419,447				128	7	94.5	119	5	95.8		



NO.	DATE	DESCRIPTION	AMOUNT	BALANCE
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102	1958
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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

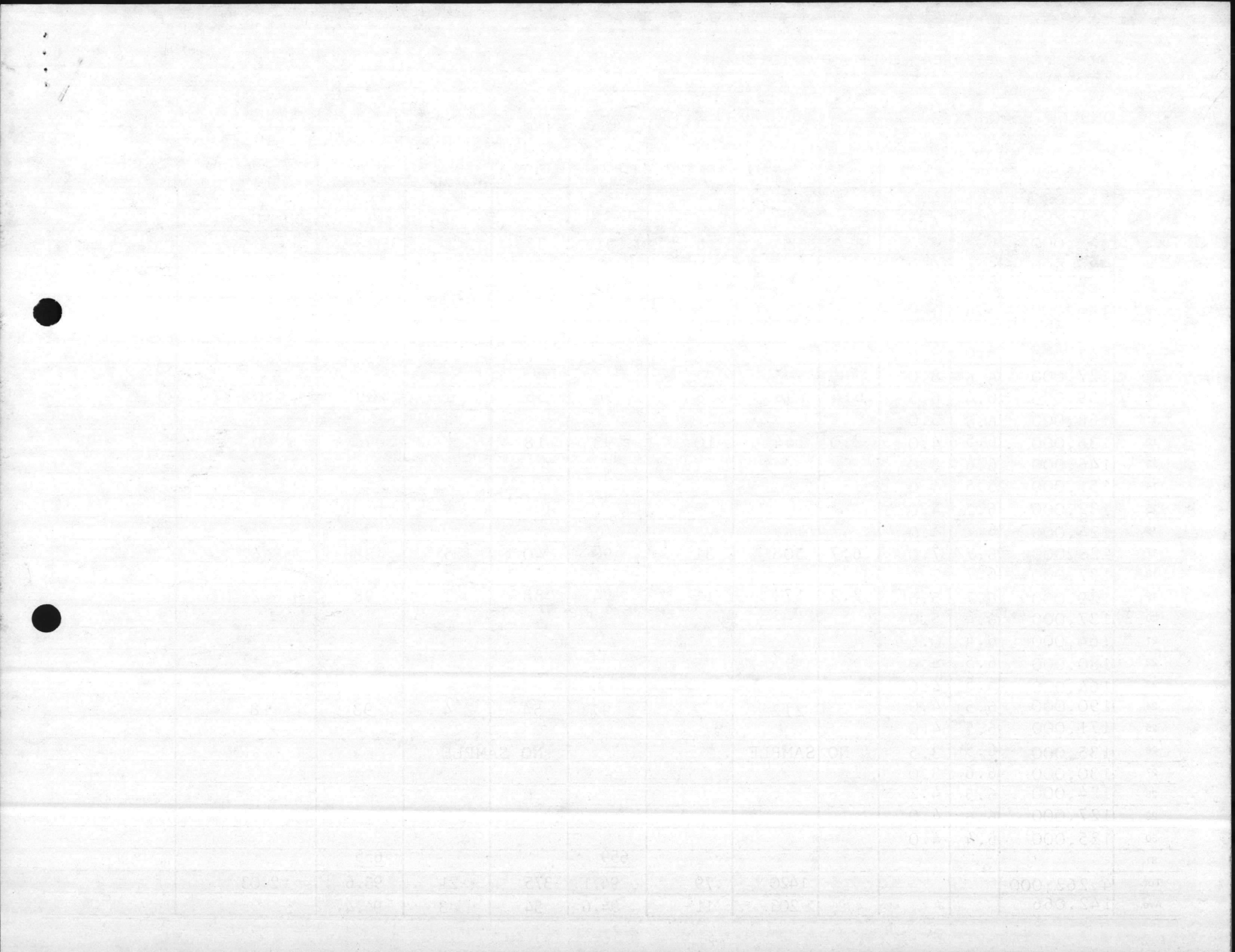
PLANT

ONSLOW BEACH

MONTH

SEPTEMBER 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	113,000	6.5	4.0									
2	146,000	6.4	4.0									
3	122,000	6.2	4.0	6.0	68	6	91	35	2	94	0	
4	154,000	6.4	4.0									
5	126,000	6.4	4.0	1.1	320	6	98	84	1	99	0	
6	136,000	6.4	5.0									
7	135,000	6.3	6.0									
8	147,000	6.0	3.0									
9	127,000	6.6	8.0									
10	159,000	6.4	6.8	6.4	196	8	96	56	6	89	0	
11	166,000	6.5	5.0									
12	136,000	6.5	4.0	2.0	144	10	93	18	1	94	0	
13	146,000	6.6	8.0									
14	151,000	6.5	4.0									
15	132,000	6.2	4.0									
16	124,000	6.7	4.0									
17	129,000	6.7	7.0	6.7	308	31	90	40	5	88	4	
18	137,000	6.7	2.0									
19	129,000	6.7	5.0	2.2	172	11	94	88	2	98	2	
20	137,000	6.4	5.0									
21	164,000	6.4	0.6									
22	180,000	6.5	4.0									
23	164,000	6.5	4.0									
24	190,000	6.5	4.0		212	7	97	54	4	93	18	
25	171,000	6.5	4.0									
26	135,000	6.5	3.5		NO SAMPLE			NO SAMPLE				
27	130,000	6.6	3.0									
28	124,000	6.5	4.2									
29	127,000	6.6	4.0									
30	125,000	6.4	4.0									
31							659			655		
Tot.	4,262,000				1420	79	94.1	375	21	93.6	2.03	
Ave.	142,066				203	11	94.6	54	3	94.4		



6286/1
NREAD

SEP 09 1985

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-31 August 1985. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to:
QCL, NREAD

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 5 September 1985

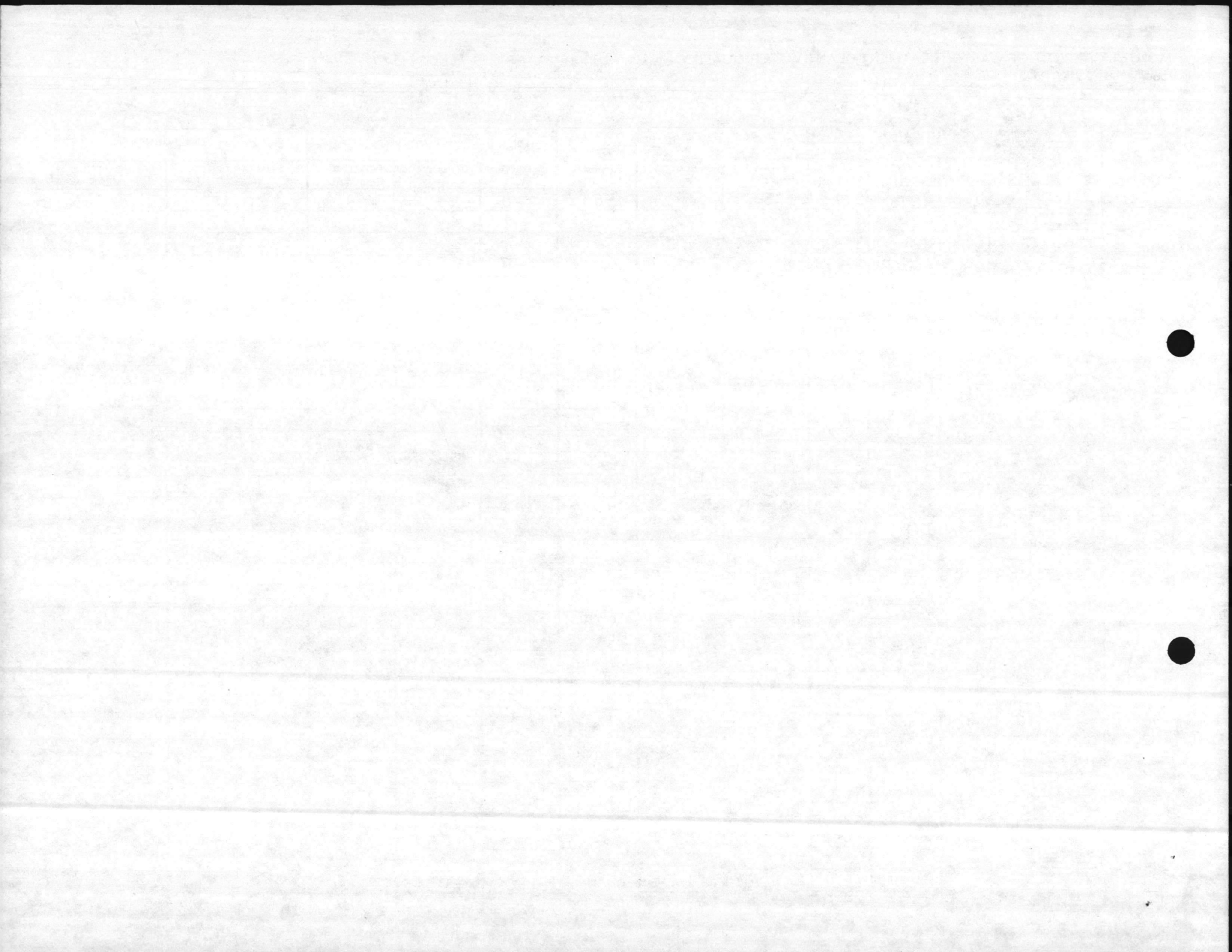
SEP 03 1982

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT **CAMP GEIGER** MONTH **AUGUST 1985**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	931,100	6.8	4.0	3.1	136	5	96	118	1	99	0	
2	960,700	6.5	4.0	4.6	100	7	93	42	2	95		
3	654,000	6.8	3.5									
4	704,900	6.7	4.0									
5	753,200	6.8	4.0									
6	796,400	6.7	4.0	2.5	120	6	95	84	1	99	0	
7	918,200	6.8	4.0	1.6	120	6	95	110	4	96	0	
8	962,700	6.8	4.0	3.1	144	5	97	116	6	95	0	
9	996,100	6.6	3.8	3.0	152	8	95	150	6	96		
10	860,700	6.6	3.9									
11	1,608,400	6.4	4.0									
12	928,500	6.4	4.0									
13	834,800	6.5	4.0	2.5	132	7	95	68	6	91	0	
14	956,100	6.8	3.9	2.3	128	9	93	66	4	94	0	
15	850,900	6.8	3.2	3.2	92	8	91	50	0	100	0	
16	868,400	6.8	4.0	2.8	152	6	96	66	4	94		
17	800,100	6.9	4.0									
18	829,500	6.6	4.0									
19	1,038,100	6.5	3.4									
20	818,900	6.4	3.2	2.5	84	5	94	68	4	94	0	
21	793,400	6.6	3.5	3.2	124	5	96	90	1	99	0	
22	989,500	6.6	3.5	2.2	112	10	91	78	6	92	0	
23	888,000	6.6	3.9	3.9	108	6	94	76	1	99		
24	749,700	6.6	4.0									
25	737,900	6.6	4.0									
26	805,400	6.4	4.0									
27	730,800	6.4	2.5	2.0	132	5	96	90	3	97	0	
28	706,000	6.6	4.0	3.0	Chlorine in #2			146	7	95	0	
29	874,700	7.0	4.0	2.5	88	7	92	52	4	92	0	
30	904,100	6.9	4.0	2.7	96	7	93	64	1	98		
31	779,400	6.8	4.0									
Tot.	27,030,600		50		2020	112	<u>1602</u> 94.2	1534	61	<u>1725</u> 95.8		
Ave.	871,955		2.8		119	7	94.1	85	3	96.5	0	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

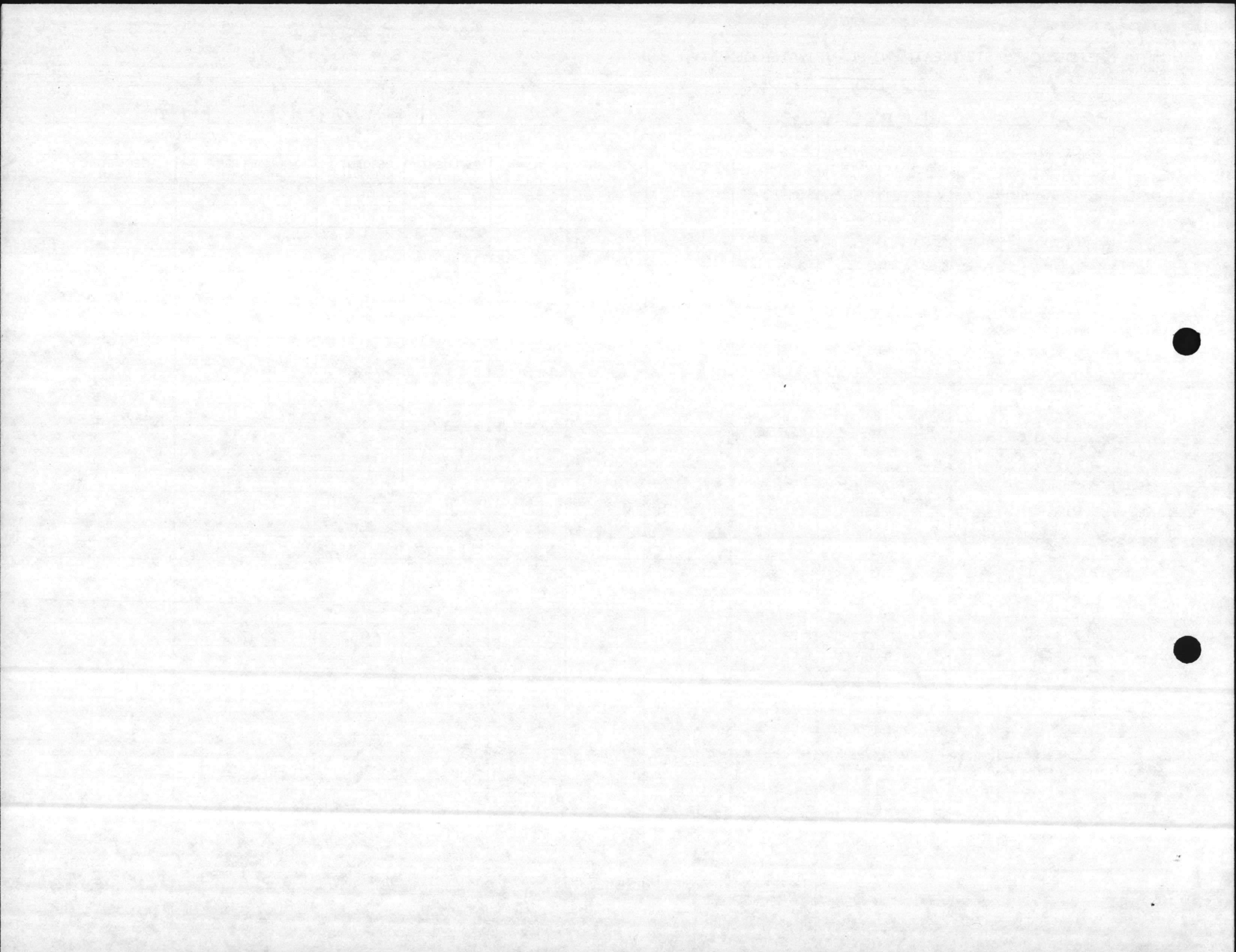
PLANT

TARAWA TERRACE

MONTH

August 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	723,300	6.4	4.5	5.0	172	16	91	156	7	96	0	
2	648,300	6.4	4.0	3.7	212	18	92	96	6	94		
3	697,000	6.4	5.0									
4	671,000	6.4	5.0									
5	679,400	6.4	4.0									
6	652,100	6.4	4.5	2.7	144	23	84	186	12	94	24	
7	673,200	6.4	4.0	1.5	188	21	89	98	12	88	0	
8	716,400	6.5	4.0	1.7	212	19	91	150	11	93	2	
9	743,800	6.5	4.0	2.4	152	14	91	116	12	90		
10	767,500	6.4	4.0									
11	732,500	6.4	5.0									
12	699,700	6.5	4.0									
13	708,100	6.4	4.0	3.5	212	15	93	126	10	92	0	
14	702,100	6.5	4.0	2.0	188	15	92	124	6	95	0	
15	628,800	6.5	4.0	2.5	200	12	94	80	6	93	0	
16	739,200	6.5	4.0	3.8	232	14	94	66	2	97		
17	648,100	6.5	4.5									
18	793,100	6.5	4.0									
19	949,800	6.5	4.0									
20	695,800	6.4	4.0	2.0	204	12	94	108	7	94	4	
21	740,500	6.4	4.0	2.3	148	13	91	204	8	96	12000	
22	703,100	6.5	4.0	1.7	140	12	91	66	10	85	2	
23	653,400	6.5	4.5	3.1	176	16	91	166	11	93		
24	711,100	6.6	4.0									
25	695,500	6.6	4.0									
26	679,300	6.6	4.0									
27	653,000	6.6	4.5	2.6	148	10	93	72	8	89	4	
28	632,600	6.7	4.5	2.2	188	13	93	180	12	93	8	
29	645,400	6.2	4.0	2.3	196	11	94	134	8	94	0	
30	689,000	6.4	4.0	1.3	180	13	93	118	5	96		
31	680,400	6.4	4.5									
Tot.	21,752,500		46.3		3292	267	1651 91.7	2246	153	1672 92.8		
Ave.	701,694		2.6		183	15	91.8	125	9	92.8	4.16	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

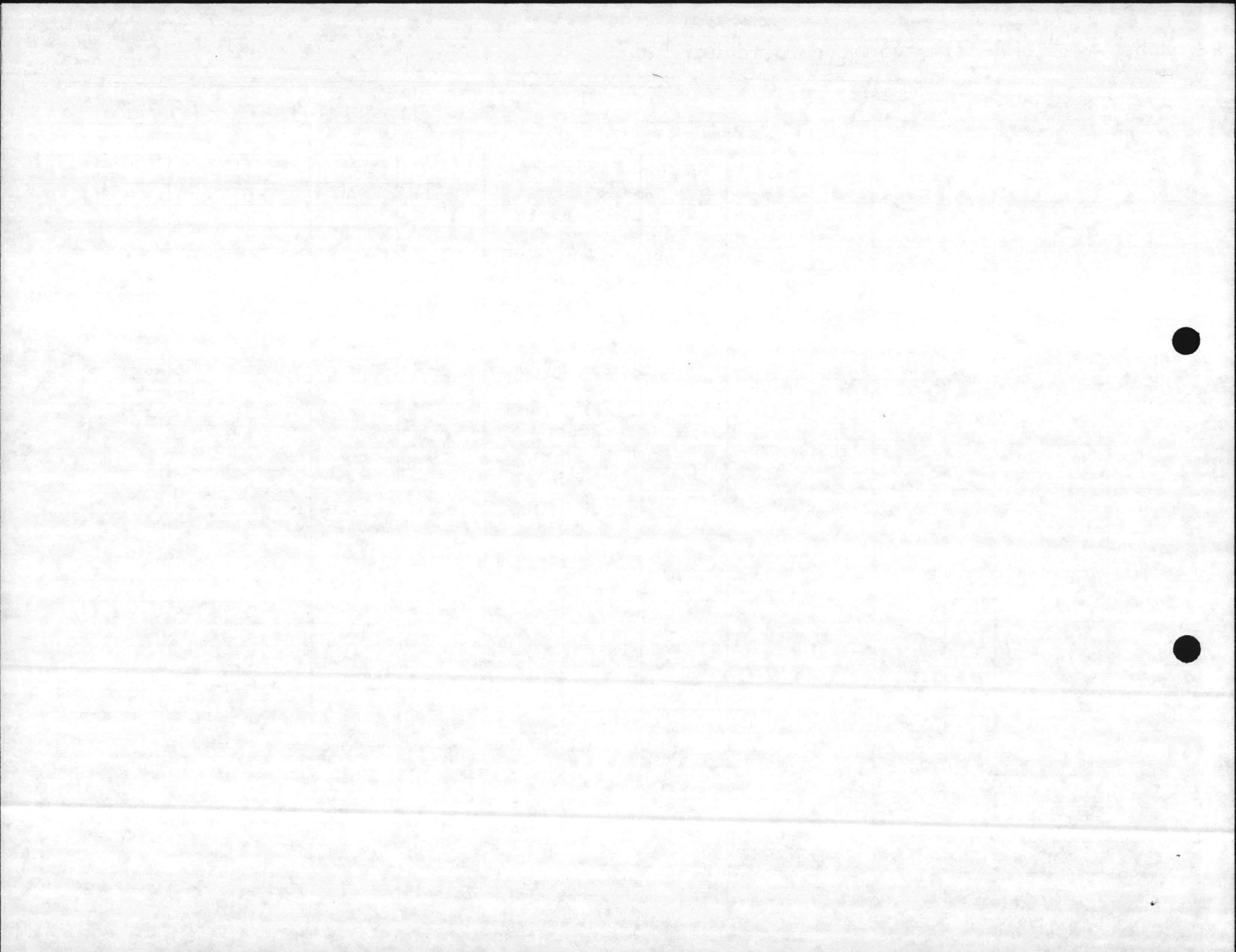
PLANT

CAMP JOHNSON

MONTH

AUGUST 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	336,700	6.6	3.5	1.5	228	7	97	84	5	94	0	
2	362,000	6.6	4.0	3.2	100	7	93	13	7	46		
3	335,700	6.6	4.0									
4	319,500	6.6	4.0									
5	285,900	6.6	1.0									
6	382,600	6.6	6.0	3.2	100	8	92	34	8	76	220	
7	331,900	6.6	3.0	6.0	44	6	86	13	5	62	0	
8	366,000	6.6	4.5	2.5	132	6	95	64	6	91	0	
9	403,800	6.6	4.0	2.7	76	5	93	50	7	86		
10	289,600	6.2	3.0									
11	277,300	6.2	5.0									
12	361,100	6.7	3.0									
13	341,100	6.7	4.0	0.8	108	7	94	52	5	90	0	
14	348,600	6.6	5.0	3.0	116	9	92	32	4	88	0	
15	329,200	6.7	3.0	0.3	104	7	93	122	4	97	0	
16	344,500	6.6	5.0	6.8	228	14	94	172	10	94		
17	521,900	6.7	5.0									
18	141,400	6.7	5.0									
19	344,500	6.6	3.0									
20	347,500	6.6	3.0	3.0	76	7	91	42	4	90	2	
21	336,200	6.6	4.0	4.0	132	6	95	460	5	99	0	
22	365,700	6.7	3.0	1.1	196	7	96	213	6	97	0	
23	393,600	6.7	4.0	2.9	96	8	92	80	10	88		
24	334,600	6.7	4.0									
25	310,500	6.8	3.0									
26	315,700	6.7	4.0									
27	340,400	6.7	2.0	1.1	120	5	96	42	6	86	0	
28	345,400	6.7	3.0	1.5	136	7	95	62	13	79	0	
29	344,500	6.6	2.0	0.5	144	8	94	94	3	97	0	
30	343,400	6.7	3.0	3.1	184	8	96	76	7	91		
31	319,100	6.6	5.0									
Tot.	10,719,900		47.2		2320	132	93.6	1705	115	86.2		
Ave.	345,803		2.6		129	7	94.6	95	6	93.7	1.59	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

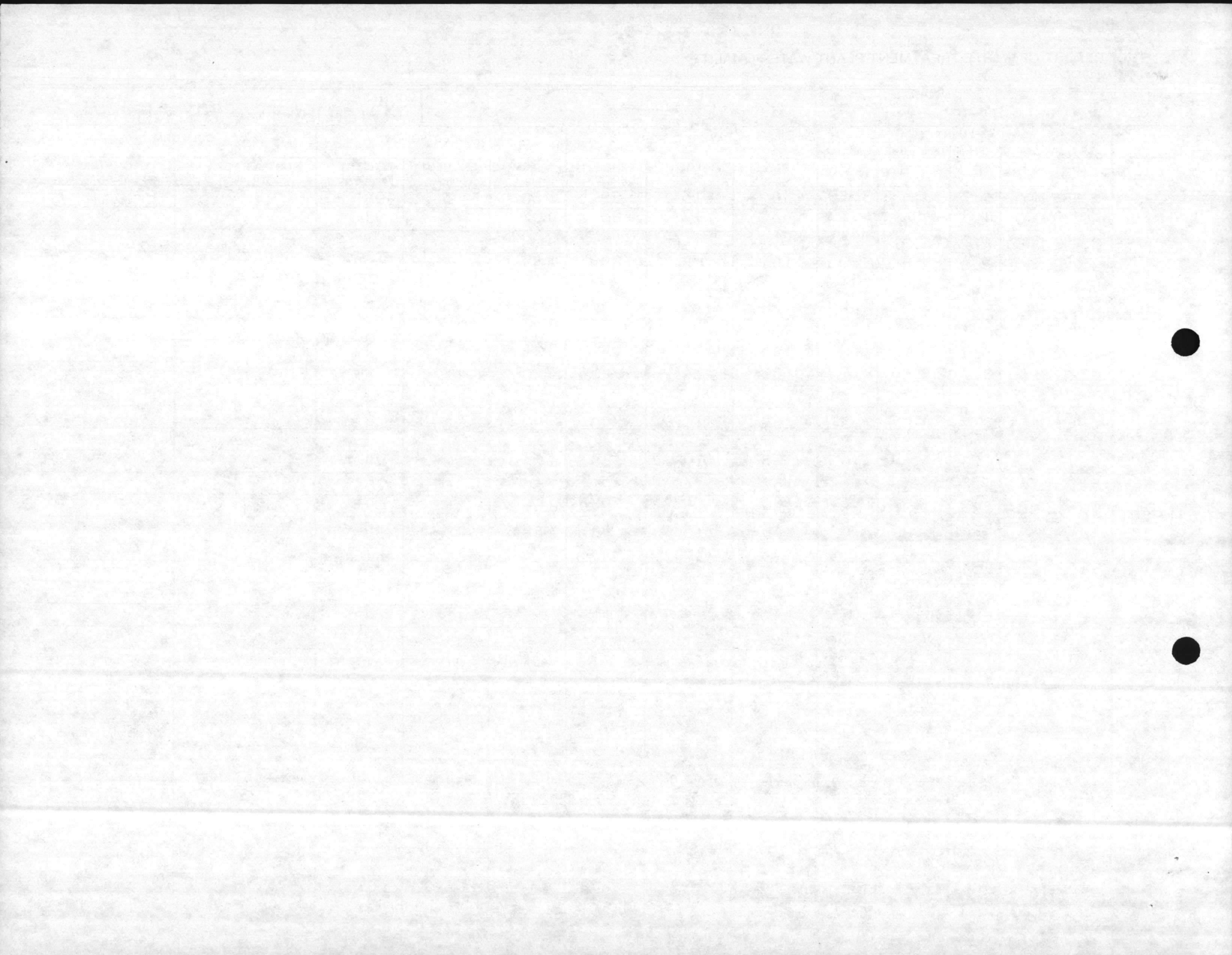
PLANT

HADNOT POINT

MONTH

AUGUST 1985

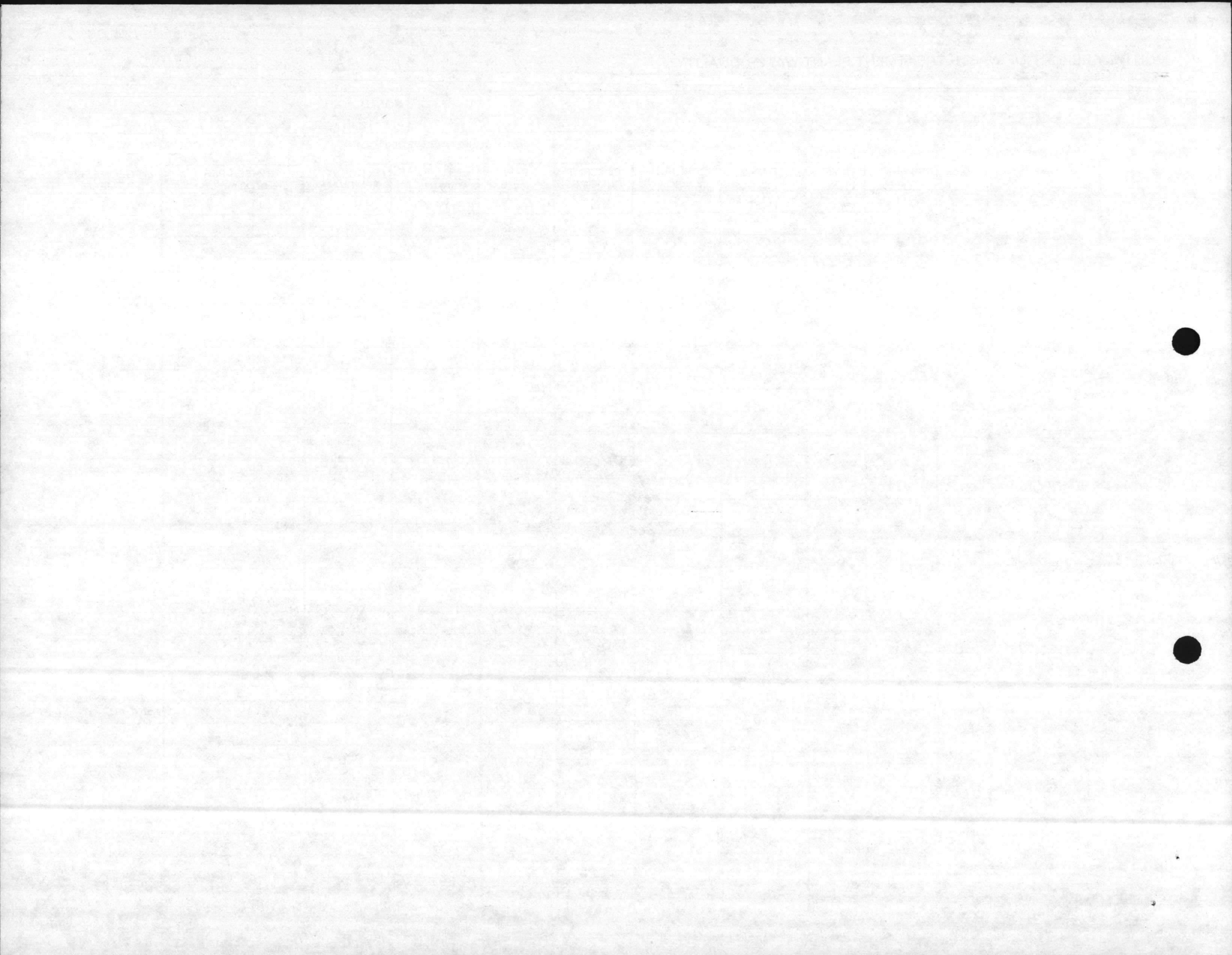
DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/l	LAB mg/l								
1	4,584,000	6.7	3.9	3.5	136	15	89	80	5	94	0	
2	4,229,000	6.8	3.9	4.1	168	17	90	102	8	92		
3	3,452,000	7.0	4.0									
4	3,429,000	6.8	3.8	2.0	116	13	89	54	4	93		
5	3,889,000	6.8	3.8									
6	4,004,000	6.6	3.7	1.8	120	13	89	102	10	90	4	
7	4,377,000	6.7	4.0	1.7	140	14	90	112	8	93	0	
8	5,397,000	6.6	4.0	2.0	168	15	91	134	9	93	120	
9	5,427,000	6.7	3.5	2.0	160	14	91	140	15	89		
10	3,573,000	6.7	3.7									
11	3,651,000	6.6	3.8	2.5	108	11	90	90	6	93		
12	4,279,000	6.7	3.8									
13	4,407,000	6.6	4.0	2.5	128	14	89	104	10	90	120	
14	5,013,000	6.7	4.0	2.2	152	14	91	140	6	96	8	
15	5,071,000	6.8	4.0	1.5	180	4	98	106	6	94	14	
16	5,056,000	6.8	4.0	2.0	216	15	93	138	9	93		
17	5,268,000	6.8	3.6									
18	7,504,000	6.7	3.0	2.4	140	15	89	120	11	91		
19	6,393,000	6.7	4.0									
20	3,728,000	6.6	3.8	1.6	132	12	91	148	11	93	2	
21	4,000,000	6.8	4.0	1.1	148	13	91	98	11	89	4	
22	4,153,000	6.8	4.0	2.2	136	5	96	86	10	88	6	
23	3,877,000	7.0	3.9	2.5	124	13	90	110	8	93		
24	3,507,000	6.8	4.0									
25	3,641,000	6.8	3.9	2.2	76	11	86	94	9	90		
26	3,992,000	6.8	4.0									
27	3,999,000	6.8	3.6	2.0	124	12	90	62	6	90	90	
28	4,019,000	6.8	3.5	1.5	108	12	89	90	10	89	0	
29	3,773,000	6.8	4.0	2.2	140	12	91	94	12	87	20	
30	3,311,000	6.6	4.0	2.2	140	16	89	102	9	91		
31	2,656,000	6.7	4.0									
Tot.	133,659,000		47.7		3060	280	90.5	2306	193	91.4		
Ave.	4,311,581		2.2		139	13	90.6	105	9	91.4	7.08	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

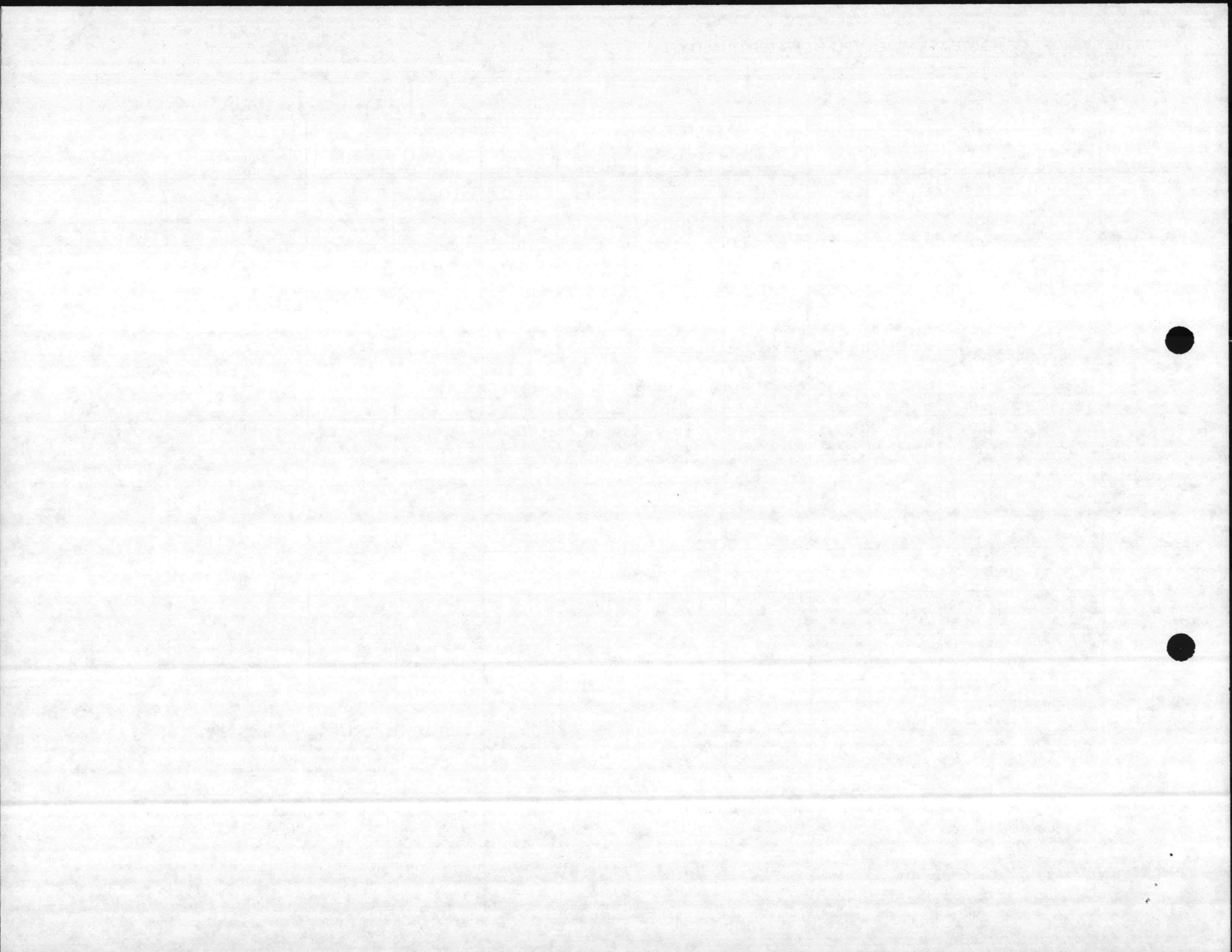
MCBCL 11345/8 (REV. 6-83)

PLANT					MONTH							
RIFLE RANGE					AUGUST 1985							
DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	270,530	6.5	5.0	4.2	40	5	88	423	5	99	0	
2	296,540	6.6	3.8									
3	246,670	6.8	3.9									
4	268,020	6.6	4.0									
5	279,930	6.6	4.3									
6	277,790	6.4	5.0	6.0	72	6	92	144	4	97	0	
7	277,840	6.4	6.0									
8	266,380	6.4	4.6	6.6	76	5	93	433	1	100	0	
9	259,290	6.5	4.1									
10	218,300	6.7	4.8									
11	223,840	6.5	8.0									
12	243,380	6.4	4.5									
13	252,130	6.3	4.0	6.0	96	6	94	442	4	99	0	
14	240,000	6.7	4.6									
15	221,770	7.0	3.9	1.0	44	8	82	34	1	97	0	
16	218,550	6.6	4.0									
17	222,560	6.5	4.3									
18	283,550	6.3	4.2									
19	280,170	6.4	4.4									
20	242,800	6.6	4.4	2.0	48	7	85	177	1	99	0	
21	285,040	6.4	4.6									
22	269,780	6.5	3.4	0.8	60	7	88	353	3	99	0	
23	233,200	6.6	4.4									
24	242,670	6.6	4.3									
25	205,810	6.6	4.9									
26	235,040	6.4	4.6									
27	220,540	6.5	4.7	6.8	48	5	90	300	2	99	0	
28	348,170	6.5	3.8									
29	205,390	6.6	4.6	6.2	40	5	88	270	4	99	0	
30	209,180	6.6	3.8									
31	195,560	6.5	6.0									
Tot.	7,740,420		39.6		524	54	88.9	2576	25	98.7		
Ave.	249,691		4.4		58	6	89.7	286	3	99.0	0	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

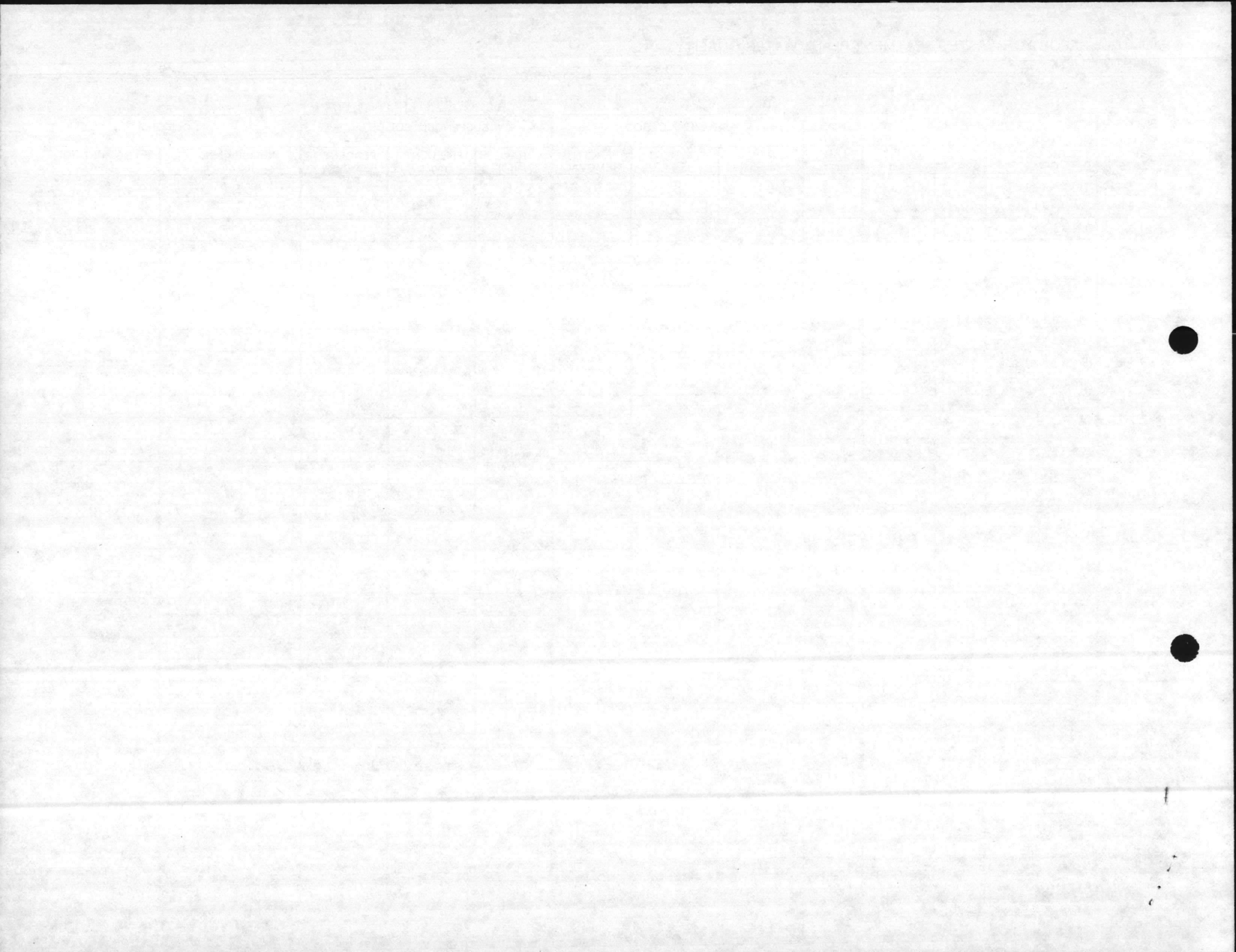
PLANT					MONTH							
COURTHOUSE BAY					AUGUST 1985							
DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	389,450	6.2	2.0	1.4	120	7	94	84	10	88	0	
2	306,160	6.6	3.3									
3	257,140	6.2	3.6									
4	349,700	6.6	2.0									
5	271,550	6.7	2.2									
6	309,700	6.6	2.4	0.6	80	10	88	53	17	68	0	
7	428,100	6.4	3.8									
8	549,320	6.7	3.0	1.1	116	9	92	136	7	95	0	
9	477,190	6.8	4.0									
10	298,260	6.4	5.5									
11	339,440	6.4	4.0									
12	365,940	6.6	3.3									
13	373,500	6.6	2.8	3.2	92	10	89	82	10	88	32	
14	365,400	6.6	2.4									
15	317,250	6.6	1.8	0.8	104	11	89	108	4	96	20	
16	355,200	6.6	2.2									
17	312,800	6.6	3.4									
18	406,450	6.7	2.9									
19	356,300	6.7	2.2									
20	314,800	6.7	2.0	0.3	124	6	95	476	2	100	12	
21	433,300	6.6	2.0									
22	404,300	6.5	2.6	1.1	80	8	90	50	7	86	0	
23	301,300	6.6	4.4									
24	301,400	6.8	2.0									
25	376,250	6.6	1.6									
26	379,450	6.6	2.2									
27	361,900	6.6	2.2	1.0	88	6	93	68	5	93	10	
28	395,000	6.6	3.4									
29	421,250	6.8	3.5	2.0	116	7	94	166	5	97	0	
30	540,600	6.5	4.0									
31	468,170	6.4	4.0									
Tot.	11,526,570		11.5		920	74	91.6	1223	67	90.1		
Ave.	371,825		1.3		102	8	92.2	136	7	94.9	3.49	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT **ONslow BEACH** MONTH **AUGUST 1985**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	104,000	6.2	3.0	2.2	96	8	92	56	2	96	0	
2	97,000	6.0	3.0									
3	99,000	6.3	4.0									
4	106,000	6.3	4.2									
5	142,000	6.3	5.0									
6	98,000	6.3	4.0	2.8	184	9	95	40	6	85	0	
7	94,000	6.6	4.0									
8	92,000	6.6	3.0	1.0	304	8	97	46	3	93	120	
9	94,000	6.8	4.0									
10	149,000	6.0	4.0									
11	144,000	6.6	4.0									
12	79,000	6.6	4.0									
13	83,000	6.5	4.0	4.5	280	8	97	66	6	91	0	
14	89,000	6.5	4.0									
15	106,000	6.6	4.0	4.2	300	11	96	40	5	88	0	
16	85,000	6.5	4.5									
17	125,000	6.6	4.0									
18	117,000	6.6	4.0									
19	87,000	6.6	3.5									
20	88,000	6.6	4.0	1.5	104	10	90	36	7	81	0	
21	112,000	6.5	3.5									
22	89,000	6.6	4.0	2.2	112	9	92	22	2	91	6	
23	74,000	6.5	3.0									
24	83,000	6.4	5.0									
25	110,000	6.5	3.5									
26	116,000	6.3	5.0									
27	141,000	6.5	3.5	1.5	228	6	97	54	5	91	0	
28	149,000	6.5	3.0									
29	119,000	6.5	4.0	1.2	328	7	98	393	2	99	0	
30	107,000	6.4	3.0									
31	105,000	6.5	4.0									
Tot.	3,283,000		21		1936	76	94.9	753	38	90.6		
Ave.	105,903		2.3		215	8	96	84	4	95.2	2.08	



6286/1
NREAD

13 AUG 1985

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

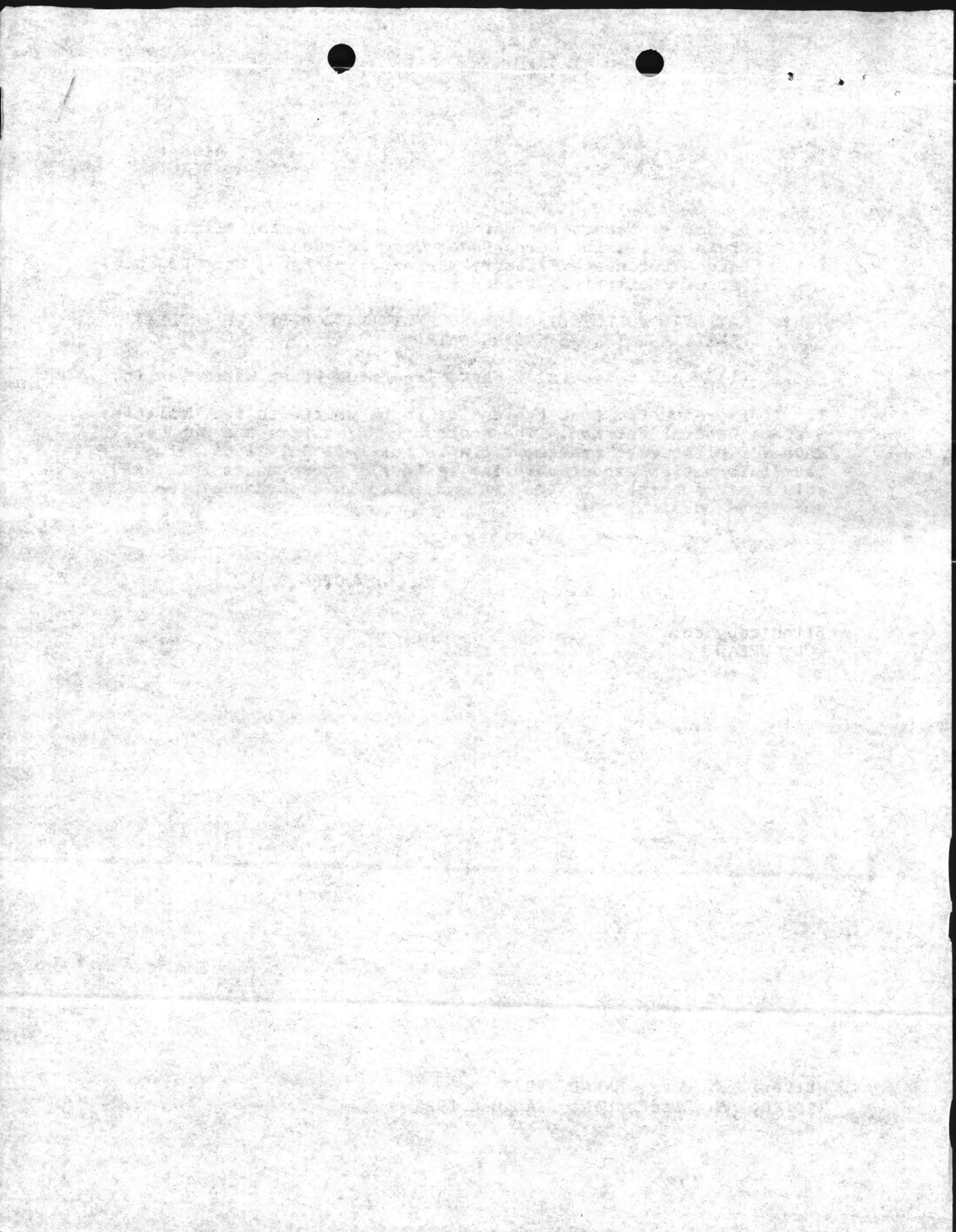
Encl: (1) Monthly Report of Waste Treatment Plant Water Quality

1. It is requested that the enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-31 July 1985. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. W. WOOTEN

Blind copy to:
QCL, NREAD

Writer: E. Betz, NREAD, 5977
Typist: A. Blackstock, 8 August 1985



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP GEIGER

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	745,000	7.0	3.5									
2	786,900	6.8	3.7	3.0	104	7	93	88	2	98	0	
3	836,700	6.8	3.0	3.0	100	6	94	64	4	94	0	
4	1,583,900	6.6	3.0	2.8	96	3	97	47	2	96	0	
5	597,400	6.8	3.1	3.5	140	5	96	52	1	98		
6	675,000	6.5	3.6									
7	601,800	6.5	2.9									
8	694,200	6.6	3.4									
9	709,900	7.0	3.0	0.3	80	5	94	60	18	70	0	
10	766,900	6.6	3.1	2.2	144	5	97	88	6	93	0	
11	859,900	6.8	3.5	-	112	5	96	116	9	92	0	
12	675,700	6.6	4.0	2.8	208	8	96	142	2	99		
13	651,900	6.4	4.0									
14	678,800	6.7	4.0									
15	1,785,400	6.8	4.0									
16	883,000	6.6	4.0	2.5	124	6	95	106	0	100	0	
17	773,700	6.6	4.0	3.0	96	4	96	58	1	98	0	
18	718,300	7.0	4.0	2.8	164	11	93	80	1	99	0	
19	742,800	6.6	4.0	-	144	5	97	90	6	93		
20	609,700	6.8	4.0									
21	609,200	6.6	4.0									
22	775,300	6.8	4.0									
23	664,300	6.8	3.0	2.7	124	6	95	50	2	96	0	
24	840,000	6.4	4.0	3.5	104	3	97	78	3	96	0	
25	896,900	6.4	3.0	3.4	108	6	94	116	5	96	0	
26	811,200	6.8	3.2	4.1	84	2	98	90	4	96		
27	717,200	6.8	3.5									
28	660,400	6.6	4.0									
29	841,200	6.8	4.0									
30	736,600	6.8	4.0	2.8	92	6	93	76	5	93	0	
31	849,700	6.6	4.0	2.2	116	4	97	154	2	99	0	
Tot.	24,778,900				2140	97	1718	1555	73	1706		
Ave.	799,319				119	5	95.8	86	4	95.4	0.0	

Year	Month	Day	Temperature (°C)	Humidity (%)	Wind Speed (km/h)	Wind Direction	Pressure (hPa)	Cloud Cover (%)	Visibility (km)	Notes
2007	Jan	1	15.0	65	12	SE	1013	5	10	
2007	Jan	2	16.0	68	10	SE	1012	8	10	
2007	Jan	3	14.0	62	15	SE	1014	3	10	
2007	Jan	4	17.0	70	8	SE	1011	10	10	
2007	Jan	5	18.0	72	10	SE	1010	12	10	
2007	Jan	6	16.0	68	12	SE	1012	8	10	
2007	Jan	7	15.0	65	10	SE	1013	5	10	
2007	Jan	8	14.0	62	15	SE	1014	3	10	
2007	Jan	9	16.0	68	10	SE	1012	8	10	
2007	Jan	10	17.0	70	8	SE	1011	10	10	
2007	Jan	11	18.0	72	10	SE	1010	12	10	
2007	Jan	12	16.0	68	12	SE	1012	8	10	
2007	Jan	13	15.0	65	10	SE	1013	5	10	
2007	Jan	14	14.0	62	15	SE	1014	3	10	
2007	Jan	15	16.0	68	10	SE	1012	8	10	
2007	Jan	16	17.0	70	8	SE	1011	10	10	
2007	Jan	17	18.0	72	10	SE	1010	12	10	
2007	Jan	18	16.0	68	12	SE	1012	8	10	
2007	Jan	19	15.0	65	10	SE	1013	5	10	
2007	Jan	20	14.0	62	15	SE	1014	3	10	
2007	Jan	21	16.0	68	10	SE	1012	8	10	
2007	Jan	22	17.0	70	8	SE	1011	10	10	
2007	Jan	23	18.0	72	10	SE	1010	12	10	
2007	Jan	24	16.0	68	12	SE	1012	8	10	
2007	Jan	25	15.0	65	10	SE	1013	5	10	
2007	Jan	26	14.0	62	15	SE	1014	3	10	
2007	Jan	27	16.0	68	10	SE	1012	8	10	
2007	Jan	28	17.0	70	8	SE	1011	10	10	
2007	Jan	29	18.0	72	10	SE	1010	12	10	
2007	Jan	30	16.0	68	12	SE	1012	8	10	
2007	Jan	31	15.0	65	10	SE	1013	5	10	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT TARAWA TERRACE

MONTH JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	627500	6.5	5.0									
2	679500	6.6	5.0	3.0	208	12	94	150	6	96	0	
3	615000	6.6	4.0	3.0	216	13	94	206	6	97	0	
4	601100	6.4	4.0	2.8	156	11	93	634	6	99	20	
5	616000	6.6	4.0	3.1	232	14	94	98	6	94		
6	750300	6.4	5.0									
7	660000	6.4	5.0									
8	777700	6.5	4.0									
9	906800	6.6	5.0	2.2	312	11	97	224	8	96	2	
10	614500	6.6	4.1	2.2	176	11	94	122	16	87	0	
11	637100	6.3	4.2	-	136	10	93	134	8	94	12	
12	618400	6.4	4.3	3.0	152	10	96	266	6	98		
13	655000	6.4	4.2									
14	698700	6.6	4.2									
15	658300	6.5	4.2									
16	679700	6.6	4.0	2.5	220	13	94	204	10	95	0	
17	642900	6.4	4.2	2.1	168	14	92	98	10	90	4	
18	632800	6.6	4.0	3.2	176	9	95	268	6	98	2	
19	602400	6.5	4.2	-	180	11	94	142	8	94		
20	611100	6.5	4.3									
21	620100	6.4	3.8									
22	655400	6.5	4.4									
23	677600	6.4	4.0	2.7	148	13	91	252	6	98	6	
24	749700	6.4	4.0	2.8	192	11	94	136	11	92	0	
25	809000	6.6	4.0	1.5	176	15	91	184	4	98	2	
26	641000	6.6	4.0	2.7	116	9	92	88	8	91		
27	667000	6.5	4.0									
28	648300	6.6	4.0									
29	625200	6.6	4.0									
30	654000	6.5	4.0	2.5	156	15	90	164	8	95	0	
31	633200	6.4	4.0	2.0	176	15	91	164	5	97	4	
Tot.	20,665,300				3296	217	1667	3534	138	1709		
Ave.	666,623				183	12	93.4	196	8	95.9	2.38	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT
 CAMP JOHNSON

MONTH
 JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	343,000	6.2	6.0									
2	354,700	6.5	4.0	5.4	120	9	93	206	4	98	0	
3	351,800	6.8	6.0	3.2	156	7	96	54	6	89	0	
4	327,000	6.6	5.0	1.7	92	2	93	64	6	91	400	
5	347,800	6.6	6.0	4.8	84	5	94	36	4	89		
6	349,500	6.6	6.0									
7	339,000	6.7	6.0									
8	341,700	6.7	4.0									
9	351,500	6.7	6.0	5.1	136	7	95	78	7	91	0	
10	339,500	6.7	6.0	5.0	140	8	94	52	7	87	0	
11	360,500	6.5	3.0	-	72	5	93	104	13	88	0	
12	349,600	6.7	5.0	6.3	180	7	96	168	8	95		
13	328,800	6.6	4.0									
14	344,100	6.6	6.0									
15	333,500	6.6	4.0									
16	347,400	6.4	3.0	3.0	304	10	97	636	8	99	0	
17	344,600	6.5	6.0	4.7	132	6	95	42	6	86	110	
18	341,800	6.7	3.0	2.3	180	4	98	56	4	93	0	
19	345,800	6.0	6.0	-	108	7	94	66	8	88		
20	418,900	6.5	4.0									
21	323,400	6.5	6.0									
22	341,600	6.7	6.0									
23	351,400	6.5	6.0	4.8	148	8	95	58	1	98	0	
24	340,800	6.7	6.0	3.4	136	9	93	48	8	83	0	
25	355,400	6.5	4.0	4.4	216	8	96	330	19	94	0	
26	334,000	6.6	4.5	-	76	5	93	51	4	92		
27	365,400	6.7	5.0									
28	342,600	7.0	5.0									
29	337,500	6.6	4.0									
30	343,000	6.6	4.0	1.5	76	8	89	26	3	88	0	
31	341,000	6.8	5.0	2.2	144	6	96	46	7	85	0	
Tot.	10,736,600				2500	121	1700	2121	123	1634		
Ave.	346,342				139	7	95.0	118	7	94.1	2.15	

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

HADNOT POINT

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	4,160,000	6.7	3.5									
2	4,327,000	7.0	3.3	2.4	136	14	90	90	6	93	0	
3	3,780,000	6.6	4.0	3.1	144	12	92	90	7	92	0	
4	3,162,000	6.9	4.0	2.2	104	9	91	94	8	91	112	
5	3,335,000	6.2	3.7	2.2	148	12	92	74	7	91		
6	3,615,000	6.7	3.8									
7	3,543,000	6.7	3.9	3.2	84	10	88	48	4	92		
8	4,200,000	6.8	4.0									
9	4,076,000	6.6	4.0	2.1	120	10	92	98	8	92	210	
10	3,544,000	6.8	3.9	2.0	124	13	90	60	6	90	230	
11	3,970,000	6.4	3.8	-	108	8	93	92	10	89	2	
12	3,876,000	6.8	4.2	2.3	148	11	93	136	7	95		
13	3,634,000	6.4	3.9									
14	3,785,000	6.6	3.7	2.2	96	12	88	78	7	91		
15	4,016,000	5.8	3.8									
16	4,264,000	6.8	3.5	2.2	132	10	92	86	6	93	100	
17	4,499,000	6.8	3.8	1.5	168	12	93	140	10	93	2	
18	4,320,000	6.6	3.2	2.5	188	10	95	90	6	93	0	
19	3,597,000	6.7	4.0	-	184	14	92	92	11	88		
20	4,878,000	6.9	4.0									
21	5,866,000	6.9	3.7	2.5	96	13	86	66	7	89		
22	4,735,000	6.8	3.6									
23	3,820,000	6.9	3.6	2.3	168	16	90	118	6	95	300	
24	3,975,000	6.8	4.0	2.2	144	9	94	138	10	93	12	
25	4,830,000	6.6	4.0	1.0	152	13	91	164	12	93	2	
26	4,045,000	6.8	4.0	2.3	136	11	92	136	11	92		
27	3,576,000	6.7	3.9									
28	3,823,000	6.6	4.0	2.5	92	11	88	64	3	95		
29	4,406,000	6.8	4.0									
30	4,249,000	6.9	4.0	2.0	96	11	89	92	10	89	1000	
31	4,569,000	6.6	4.0	1.8	144	19	87	110	8	93	50	
Tot.	126,475,000				2912	260	1998	2156	170	2022		
Ave.	4,079,839				132	12	90.9	98	8	91.8	16.17	

Table with multiple columns and rows, containing numerical data and possibly names. The content is very faint and appears to be a ledger or account book.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

RIFLE RANGE

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD.			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	195,000	6.4	4.2									
2	181,780	6.3	4.9	9.6	48	4	92	142	1	99	0	
3	164,000	6.7	5.6									
4	156,210	6.7	5.8	10.0	36	3	92	106	3	97	150	
5	129,810	6.5	4.4									
6	179,820	6.3	4.5									
7	168,900	6.4	5.5									
8	191,890	6.4	5.4									
9	149,020	6.4	5.9	13.5	30	3	90	316	4	99	0	
10	174,050	6.5	4.8									
11	115,270	6.4	5.6	-	36	4	89	575	13	98	2	
12	150,070	6.5	4.4									
13	149,340	6.7	4.0									
14	163,270	6.8	4.0									
15	180,400	6.9	6.0									
16	229,510	6.6	5.7	10.5	28	6	79	24	6	75	0	
17	260,290	6.5	5.4									
18	220,280	6.4	5.4	9.8	16	2	88	212	1	99	0	
19	223,010	6.4	5.0									
20	203,640	6.4	5.6									
21	218,720	6.5	6.0									
22	191,380	6.4	8.0									
23	203,430	6.7	5.6	14.5	36	5	86	108	1	99	0	
24	219,770	6.9	4.4									
25	222,420	6.4	4.9	4.0	20	1	95	64	3	95	0	
26	236,120	6.5	4.6									
27	205,630	6.4	5.6									
28	271,150	6.3	4.8									
29	235,260	6.3	4.0									
30	240,140	6.4	4.1	3.7	24	5	79	170	3	98	0	
31	298,540	6.4	6.0									
Tot.	6,128,120				274	33	790	1717	35	859	1.88	
Ave.	197,681				30	4	86.7	191	4	97.9		

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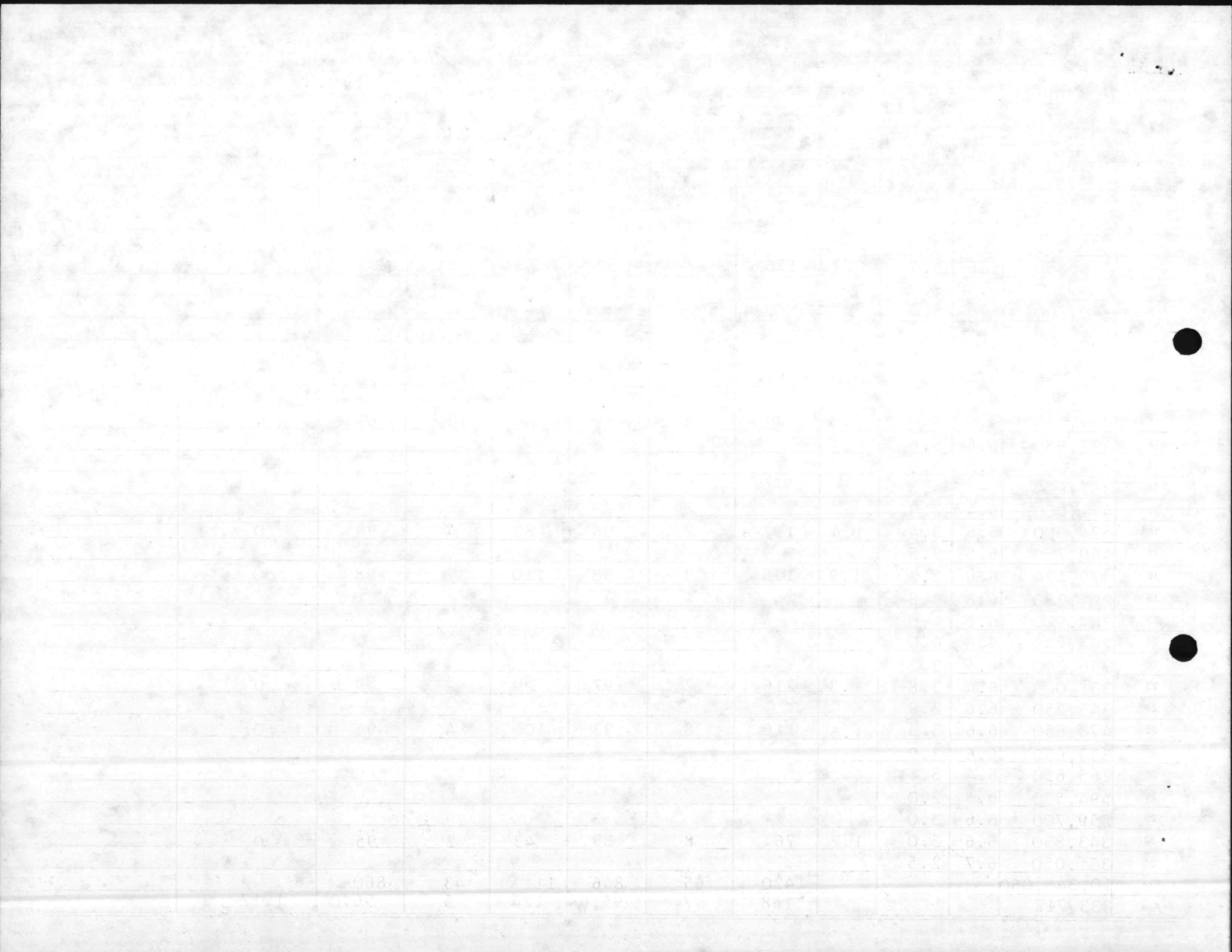
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT **COURTHOUSE BAY**

MONTH **JULY 1985**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	287,410	6.6	3.4									
2	329,500	6.6	3.0	0.9	304	9	97	176	3	98	0	
3	240,250	6.4	4.6									
4	213,850	6.6	3.4	0.7	176	7	96	210	3	99	0	
5	214,500	6.5	3.9									
6	240,200	6.6	3.0									
7	271,500	-	5.5									
8	265,500	6.6	2.7									
9	332,770	6.6	2.1	0.0	92	8	91	122	10	93	0	
10	414,130	6.7	2.8									
11	399,650	7.0	4.0	-	72	8	89	86	13	85	4	
12	322,950	6.6	5.6									
13	204,300	6.5	4.0									
14	357,900	-	4.2									
15	471,000	6.4	2.9									
16	524,900	6.6	3.4	1.4	192	7	96	180	4	98	0	
17	449,750	6.5	2.5									
18	377,470	6.6	3.2	1.9	176	3	98	110	2	98	0	
19	291,280	6.8	3.8									
20	287,900	6.7	4.0									
21	262,740	6.8	4.0									
22	256,260	6.5	3.2									
23	351,000	6.4	3.8	1.3	216	7	97	90	2	98	0	
24	345,250	6.6	2.8									
25	478,650	6.6	3.3	1.5	116	8	93	100	4	96	0	
26	339,650	6.6	3.9									
27	265,650	6.4	3.8									
28	494,550	6.5	2.0									
29	359,700	6.6	3.0									
30	343,850	6.6	3.0	1.2	76	8	89	43	2	95	0	
31	351,050	6.7	2.5									
Tot.	10,345,060				1420	65	846	1117	43	860		
Ave.	333,712				158	7	95.6	124	5	96.0	1.17	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11348/8 (REV. 6-83)

PLANT

ON SLOW BEACH

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	129,000	6.4	4.0									
2	132,000	6.4	3.8	2.8	104	7	93	52	1	98	0	
3	120,000	6.4	4.5									
4	116,000	6.3	3.8	2.5	188	5	97	46	2	96	0	
5	145,000	6.4	3.8									
6	142,000	6.8	3.8									
7	140,000	6.7	4.0									
8	120,000	6.8	4.0									
9	110,000	6.6	3.5	0.3	180	5	97	78	2	97	0	
10	114,000	6.7	4.2									
11	106,000	6.5	4.0	-	120	7	94	100	12	88	0	
12	109,000	6.6	2.3									
13	110,000	6.4	4.0									
14	124,000	6.4	4.0									
15	128,000	6.5	3.8									
16	134,000	6.5	3.0	4.0	136	7	95	68	1	99	0	
17	141,000	6.7	4.5									
18	127,000	6.6	4.5	4.9	192	5	96	48	2	96	0	
19	110,000	6.8	4.0									
20	105,000	6.7	4.0									
21	100,000	6.6	3.2									
22	127,000	6.5	3.8									
23	129,000	6.4	4.0	5.1	280	11	96	76	1	99	0	
24	139,000	6.4	4.2									
25	141,000	6.4	4.2	6.8	104	10	90	27	5	81	0	
26	110,000	6.6	4.2									
27	116,000	6.5	4.0									
28	120,000	6.2	2.8									
29	129,000	6.2	4.0									
30	106,000	6.2	2.0	0.3	120	6	95	20	3	85	0	
31	104,000	6.2	4.6									
Tot.	3,783,000				1424	63	853	515	29	839		
Ave.	122,032				158	7	95.6	57	3	94.7	0.0	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP GEIGER

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	745,000	7.0	3.5									
2	786,900	6.8	3.7	3.0	104	7	93	88	2	98	0	
3	836,700	6.8	3.0	3.0	100	6	94	64	4	94	0	
4	1,583,900	6.6	3.0	2.8	96	3	97	47	2	96	0	
5	597,400	6.8	3.1	3.5	140	5	96	52	1	98		
6	675,000	6.5	3.6									
7	601,800	6.5	2.9									
8	694,200	6.6	3.4									
9	709,900	7.0	3.0	0.3	80	5	94	60	18	70	0	
10	766,900	6.6	3.1	2.2	144	5	97	88	6	93	0	
11	859,900	6.8	3.5	-	112	5	96	116	9	92	0	
12	675,700	6.6	4.0	2.8	208	8	96	142	2	99		
13	651,900	6.4	4.0									
14	678,800	6.7	4.0									
15	1,785,400	6.8	4.0									
16	883,000	6.6	4.0	2.5	124	6	95	106	0	100	0	
17	773,700	6.6	4.0	3.0	96	4	96	58	1	98	0	
18	718,300	7.0	4.0	2.8	164	11	93	80	1	99	0	
19	742,800	6.6	4.0	-	144	5	97	90	6	93		
20	609,700	6.8	4.0									
21	609,200	6.6	4.0									
22	775,300	6.8	4.0									
23	664,300	6.8	3.0	2.7	124	6	95	50	2	96	0	
24	840,000	6.4	4.0	3.5	104	3	97	78	3	96	0	
25	896,900	6.4	3.0	3.4	108	6	94	116	5	96	0	
26	811,200	6.8	3.2	4.1	84	2	98	90	4	96		
27	717,200	6.8	3.5									
28	660,400	6.6	4.0									
29	841,200	6.8	4.0									
30	736,600	6.8	4.0	2.8	92	6	93	76	5	93	0	
31	849,700	6.6	4.0	2.2	116	4	97	154	2	99	0	
Tot.	24,778,900				2140	97	1718	1555	73	1706		
Ave.	799,319				119	5	95.8	86	4	95.4	0.0	

Item	QTY	UNIT PRICE	TOTAL PRICE	TAX	NET TOTAL
100	1.00	100.00	100.00	0.00	100.00
200	2.00	200.00	200.00	0.00	200.00
300	3.00	300.00	300.00	0.00	300.00
400	4.00	400.00	400.00	0.00	400.00
500	5.00	500.00	500.00	0.00	500.00
600	6.00	600.00	600.00	0.00	600.00
700	7.00	700.00	700.00	0.00	700.00
800	8.00	800.00	800.00	0.00	800.00
900	9.00	900.00	900.00	0.00	900.00
1000	10.00	1000.00	1000.00	0.00	1000.00
1100	11.00	1100.00	1100.00	0.00	1100.00
1200	12.00	1200.00	1200.00	0.00	1200.00
1300	13.00	1300.00	1300.00	0.00	1300.00
1400	14.00	1400.00	1400.00	0.00	1400.00
1500	15.00	1500.00	1500.00	0.00	1500.00
1600	16.00	1600.00	1600.00	0.00	1600.00
1700	17.00	1700.00	1700.00	0.00	1700.00
1800	18.00	1800.00	1800.00	0.00	1800.00
1900	19.00	1900.00	1900.00	0.00	1900.00
2000	20.00	2000.00	2000.00	0.00	2000.00
2100	21.00	2100.00	2100.00	0.00	2100.00
2200	22.00	2200.00	2200.00	0.00	2200.00
2300	23.00	2300.00	2300.00	0.00	2300.00
2400	24.00	2400.00	2400.00	0.00	2400.00
2500	25.00	2500.00	2500.00	0.00	2500.00
2600	26.00	2600.00	2600.00	0.00	2600.00
2700	27.00	2700.00	2700.00	0.00	2700.00
2800	28.00	2800.00	2800.00	0.00	2800.00
2900	29.00	2900.00	2900.00	0.00	2900.00
3000	30.00	3000.00	3000.00	0.00	3000.00
3100	31.00	3100.00	3100.00	0.00	3100.00
3200	32.00	3200.00	3200.00	0.00	3200.00
3300	33.00	3300.00	3300.00	0.00	3300.00
3400	34.00	3400.00	3400.00	0.00	3400.00
3500	35.00	3500.00	3500.00	0.00	3500.00
3600	36.00	3600.00	3600.00	0.00	3600.00
3700	37.00	3700.00	3700.00	0.00	3700.00
3800	38.00	3800.00	3800.00	0.00	3800.00
3900	39.00	3900.00	3900.00	0.00	3900.00
4000	40.00	4000.00	4000.00	0.00	4000.00
4100	41.00	4100.00	4100.00	0.00	4100.00
4200	42.00	4200.00	4200.00	0.00	4200.00
4300	43.00	4300.00	4300.00	0.00	4300.00
4400	44.00	4400.00	4400.00	0.00	4400.00
4500	45.00	4500.00	4500.00	0.00	4500.00
4600	46.00	4600.00	4600.00	0.00	4600.00
4700	47.00	4700.00	4700.00	0.00	4700.00
4800	48.00	4800.00	4800.00	0.00	4800.00
4900	49.00	4900.00	4900.00	0.00	4900.00
5000	50.00	5000.00	5000.00	0.00	5000.00
5100	51.00	5100.00	5100.00	0.00	5100.00
5200	52.00	5200.00	5200.00	0.00	5200.00
5300	53.00	5300.00	5300.00	0.00	5300.00
5400	54.00	5400.00	5400.00	0.00	5400.00
5500	55.00	5500.00	5500.00	0.00	5500.00
5600	56.00	5600.00	5600.00	0.00	5600.00
5700	57.00	5700.00	5700.00	0.00	5700.00
5800	58.00	5800.00	5800.00	0.00	5800.00
5900	59.00	5900.00	5900.00	0.00	5900.00
6000	60.00	6000.00	6000.00	0.00	6000.00
6100	61.00	6100.00	6100.00	0.00	6100.00
6200	62.00	6200.00	6200.00	0.00	6200.00
6300	63.00	6300.00	6300.00	0.00	6300.00
6400	64.00	6400.00	6400.00	0.00	6400.00
6500	65.00	6500.00	6500.00	0.00	6500.00
6600	66.00	6600.00	6600.00	0.00	6600.00
6700	67.00	6700.00	6700.00	0.00	6700.00
6800	68.00	6800.00	6800.00	0.00	6800.00
6900	69.00	6900.00	6900.00	0.00	6900.00
7000	70.00	7000.00	7000.00	0.00	7000.00
7100	71.00	7100.00	7100.00	0.00	7100.00
7200	72.00	7200.00	7200.00	0.00	7200.00
7300	73.00	7300.00	7300.00	0.00	7300.00
7400	74.00	7400.00	7400.00	0.00	7400.00
7500	75.00	7500.00	7500.00	0.00	7500.00
7600	76.00	7600.00	7600.00	0.00	7600.00
7700	77.00	7700.00	7700.00	0.00	7700.00
7800	78.00	7800.00	7800.00	0.00	7800.00
7900	79.00	7900.00	7900.00	0.00	7900.00
8000	80.00	8000.00	8000.00	0.00	8000.00
8100	81.00	8100.00	8100.00	0.00	8100.00
8200	82.00	8200.00	8200.00	0.00	8200.00
8300	83.00	8300.00	8300.00	0.00	8300.00
8400	84.00	8400.00	8400.00	0.00	8400.00
8500	85.00	8500.00	8500.00	0.00	8500.00
8600	86.00	8600.00	8600.00	0.00	8600.00
8700	87.00	8700.00	8700.00	0.00	8700.00
8800	88.00	8800.00	8800.00	0.00	8800.00
8900	89.00	8900.00	8900.00	0.00	8900.00
9000	90.00	9000.00	9000.00	0.00	9000.00
9100	91.00	9100.00	9100.00	0.00	9100.00
9200	92.00	9200.00	9200.00	0.00	9200.00
9300	93.00	9300.00	9300.00	0.00	9300.00
9400	94.00	9400.00	9400.00	0.00	9400.00
9500	95.00	9500.00	9500.00	0.00	9500.00
9600	96.00	9600.00	9600.00	0.00	9600.00
9700	97.00	9700.00	9700.00	0.00	9700.00
9800	98.00	9800.00	9800.00	0.00	9800.00
9900	99.00	9900.00	9900.00	0.00	9900.00
10000	100.00	10000.00	10000.00	0.00	10000.00
TOTAL			10000.00	0.00	10000.00

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

MONTH

TARAWA TERRACE

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	627500	6.5	5.0									
2	679500	6.6	5.0	3.0	208	12	94	150	6	96	0	
3	615000	6.6	4.0	3.0	216	13	94	206	6	97	0	
4	601100	6.4	4.0	2.8	156	11	93	634	6	99	20	
5	616000	6.6	4.0	3.1	232	14	94	98	6	94		
6	750300	6.4	5.0									
7	660000	6.4	5.0									
8	777700	6.5	4.0									
9	906800	6.6	5.0	2.2	312	11	97	224	8	96	2	
10	614500	6.6	4.1	2.2	176	11	94	122	16	87	0	
11	637100	6.3	4.2	-	136	10	93	134	8	94	12	
12	618400	6.4	4.3	3.0	152	10	96	266	6	98		
13	655000	6.4	4.2									
14	698700	6.6	4.2									
15	658300	6.5	4.2									
16	679700	6.6	4.0	2.5	220	13	94	204	10	95	0	
17	642900	6.4	4.2	2.1	168	14	92	98	10	90	4	
18	632800	6.6	4.0	3.2	176	9	95	268	6	98	2	
19	602400	6.5	4.2	-	180	11	94	142	8	94		
20	611100	6.5	4.3									
21	620100	6.4	3.8									
22	655400	6.5	4.4									
23	677600	6.4	4.0	2.7	148	13	91	252	6	98	6	
24	749700	6.4	4.0	2.8	192	11	94	136	11	92	0	
25	809000	6.6	4.0	1.5	176	15	91	184	4	98	2	
26	641000	6.6	4.0	2.7	116	9	92	88	8	91		
27	667000	6.5	4.0									
28	648300	6.6	4.0									
29	625200	6.6	4.0									
30	654000	6.5	4.0	2.5	156	15	90	164	8	95	0	
31	633200	6.4	4.0	2.0	176	15	91	164	5	97	4	
Tot.	20,665,300				3296	217	1667	3534	138	1709		
Ave.	666,623				183	12	93.4	196	8	95.9	2.38	

Table with multiple columns and rows, containing numerical data. The table is oriented upside down relative to the page's vertical axis. The data is mirrored across the horizontal center line of the page.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT
CAMP JOHNSON

MONTH
JULY 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	343,000	6.2	6.0									
2	354,700	6.5	4.0	5.4	120	9	93	206	4	98	0	
3	351,800	6.8	6.0	3.2	156	7	96	54	6	89	0	
4	327,000	6.6	5.0	1.7	92	2	93	64	6	91	400	
5	347,800	6.6	6.0	4.8	84	5	94	36	4	89		
6	349,500	6.6	6.0									
7	339,000	6.7	6.0									
8	341,700	6.7	4.0									
9	351,500	6.7	6.0	5.1	136	7	95	78	7	91	0	
10	339,500	6.7	6.0	5.0	140	8	94	52	7	87	0	
11	360,500	6.5	3.0	-	72	5	93	104	13	88	0	
12	349,600	6.7	5.0	6.3	180	7	96	168	8	95		
13	328,800	6.6	4.0									
14	344,100	6.6	6.0									
15	333,500	6.6	4.0									
16	347,400	6.4	3.0	3.0	304	10	97	636	8	99	0	
17	344,600	6.5	6.0	4.7	132	6	95	42	6	86	110	
18	341,800	6.7	3.0	2.3	180	4	98	56	4	93	0	
19	345,800	6.0	6.0	-	108	7	94	66	8	88		
20	418,900	6.5	4.0									
21	323,400	6.5	6.0									
22	341,600	6.7	6.0									
23	351,400	6.5	6.0	4.8	148	8	95	58	1	98	0	
24	340,800	6.7	6.0	3.4	136	9	93	48	8	83	0	
25	355,400	6.5	4.0	4.4	216	8	96	330	19	94	0	
26	334,000	6.6	4.5	-	76	5	93	51	4	92		
27	365,400	6.7	5.0									
28	342,600	7.0	5.0									
29	337,500	6.6	4.0									
30	343,000	6.6	4.0	1.5	76	8	89	26	3	88	0	
31	341,000	6.8	5.0	2.2	144	6	96	46	7	85	0	
Tot.	10,736,600				2500	121	1700	2121	123	1634		
Ave.	346,342				139	7	95.0	118	7	94.1	2.15	

Year	Month	Day	Temperature	Humidity	Wind	Clouds	Notes
1946	Jan	1	38	88	1.5	1.5	
1946	Jan	2	38	88	1.5	1.5	
1946	Jan	3	38	88	1.5	1.5	
1946	Jan	4	38	88	1.5	1.5	
1946	Jan	5	38	88	1.5	1.5	
1946	Jan	6	38	88	1.5	1.5	
1946	Jan	7	38	88	1.5	1.5	
1946	Jan	8	38	88	1.5	1.5	
1946	Jan	9	38	88	1.5	1.5	
1946	Jan	10	38	88	1.5	1.5	
1946	Jan	11	38	88	1.5	1.5	
1946	Jan	12	38	88	1.5	1.5	
1946	Jan	13	38	88	1.5	1.5	
1946	Jan	14	38	88	1.5	1.5	
1946	Jan	15	38	88	1.5	1.5	
1946	Jan	16	38	88	1.5	1.5	
1946	Jan	17	38	88	1.5	1.5	
1946	Jan	18	38	88	1.5	1.5	
1946	Jan	19	38	88	1.5	1.5	
1946	Jan	20	38	88	1.5	1.5	
1946	Jan	21	38	88	1.5	1.5	
1946	Jan	22	38	88	1.5	1.5	
1946	Jan	23	38	88	1.5	1.5	
1946	Jan	24	38	88	1.5	1.5	
1946	Jan	25	38	88	1.5	1.5	
1946	Jan	26	38	88	1.5	1.5	
1946	Jan	27	38	88	1.5	1.5	
1946	Jan	28	38	88	1.5	1.5	
1946	Jan	29	38	88	1.5	1.5	
1946	Jan	30	38	88	1.5	1.5	
1946	Jan	31	38	88	1.5	1.5	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT
 HADNOT POINT

MONTH
 JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
PLANT mg/1	LAB mg/1											
1	4,160,000	6.7	3.5									
2	4,327,000	7.0	3.3	2.4	136	14	90	90	6	93	0	
3	3,780,000	6.6	4.0	3.1	144	12	92	90	7	92	0	
4	3,162,000	6.9	4.0	2.2	104	9	91	94	8	91	112	
5	3,335,000	6.2	3.7	2.2	148	12	92	74	7	91		
6	3,615,000	6.7	3.8									
7	3,543,000	6.7	3.9	3.2	84	10	88	48	4	92		
8	4,200,000	6.8	4.0									
9	4,076,000	6.6	4.0	2.1	120	10	92	98	8	92	210	
10	3,544,000	6.8	3.9	2.0	124	13	90	60	6	90	230	
11	3,970,000	6.4	3.8	-	108	8	93	92	10	89	2	
12	3,876,000	6.8	4.2	2.3	148	11	93	136	7	95		
13	3,634,000	6.4	3.9									
14	3,785,000	6.6	3.7	2.2	96	12	88	78	7	91		
15	4,016,000	5.8	3.8									
16	4,264,000	6.8	3.5	2.2	132	10	92	86	6	93	100	
17	4,499,000	6.8	3.8	1.5	168	12	93	140	10	93	2	
18	4,320,000	6.6	3.2	2.5	188	10	95	90	6	93	0	
19	3,597,000	6.7	4.0	-	184	14	92	92	11	88		
20	4,878,000	6.9	4.0									
21	5,866,000	6.9	3.7	2.5	96	13	86	66	7	89		
22	4,735,000	6.8	3.6									
23	3,820,000	6.9	3.6	2.3	168	16	90	118	6	95	300	
24	3,975,000	6.8	4.0	2.2	144	9	94	138	10	93	12	
25	4,830,000	6.6	4.0	1.0	152	13	91	164	12	93	2	
26	4,045,000	6.8	4.0	2.3	136	11	92	136	11	92		
27	3,576,000	6.7	3.9									
28	3,823,000	6.6	4.0	2.5	92	11	88	64	3	95		
29	4,406,000	6.8	4.0									
30	4,249,000	6.9	4.0	2.0	96	11	89	92	10	89	1000	
31	4,569,000	6.6	4.0	1.8	144	19	87	110	8	93	50	
Tot.	126,475,000				2912	260	1998	2156	170	2022		
Ave.	4,079,839				132	12	90.9	98	8	91.8	16.17	

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

MONTH

RIFLE RANGE

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	195,000	6.4	4.2									
2	181,780	6.3	4.9	9.6	48	4	92	142	1	99	0	
3	164,000	6.7	5.6									
4	156,210	6.7	5.8	10.0	36	3	92	106	3	97	150	
5	129,810	6.5	4.4									
6	179,820	6.3	4.5									
7	168,900	6.4	5.5									
8	191,890	6.4	5.4									
9	149,020	6.4	5.9	13.5	30	3	90	316	4	99	0	
10	174,050	6.5	4.8									
11	115,270	6.4	5.6	-	36	4	89	575	13	98	2	
12	150,070	6.5	4.4									
13	149,340	6.7	4.0									
14	163,270	6.8	4.0									
15	180,400	6.9	6.0									
16	229,510	6.6	5.7	10.5	28	6	79	24	6	75	0	
17	260,290	6.5	5.4									
18	220,280	6.4	5.4	9.8	16	2	88	212	1	99	0	
19	223,010	6.4	5.0									
20	203,640	6.4	5.6									
21	218,720	6.5	6.0									
22	191,380	6.4	8.0									
23	203,430	6.7	5.6	14.5	36	5	86	108	1	99	0	
24	219,770	6.9	4.4									
25	222,420	6.4	4.9	4.0	20	1	95	64	3	95	0	
26	236,120	6.5	4.6									
27	205,630	6.4	5.6									
28	271,150	6.3	4.8									
29	235,260	6.3	4.0									
30	240,140	6.4	4.1	3.7	24	5	79	170	3	98	0	
31	298,540	6.4	6.0									
Tot.	6,128,120				274	33	790	1717	35	859	1.88	
Ave.	197,681				30	4	86.7	191	4	97.9		

197.681	30	4	86.5	191	4	95.9
158.150	27	3	140	177	3	1.88
150.140	37	5	170	170	8	0
127.560	0	0	0	0	0	0
105.000	0	0	0	0	0	0
88.120	0	0	0	0	0	0
70.000	0	0	0	0	0	0
50.000	0	0	0	0	0	0
30.000	0	0	0	0	0	0
10.000	0	0	0	0	0	0
0.000	0	0	0	0	0	0

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

COURTHOUSE BAY

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	287,410	6.6	3.4									
2	329,500	6.6	3.0	0.9	304	9	97	176	3	98	0	
3	240,250	6.4	4.6									
4	213,850	6.6	3.4	0.7	176	7	96	210	3	99	0	
5	214,500	6.5	3.9									
6	240,200	6.6	3.0									
7	271,500	-	5.5									
8	265,500	6.6	2.7									
9	332,770	6.6	2.1	0.0	92	8	91	122	10	93	0	
10	414,130	6.7	2.8									
11	399,650	7.0	4.0	-	72	8	89	86	13	85	4	
12	322,950	6.6	5.6									
13	204,300	6.5	4.0									
14	357,900	-	4.2									
15	471,000	6.4	2.9									
16	524,900	6.6	3.4	1.4	192	7	96	180	4	98	0	
17	449,750	6.5	2.5									
18	377,470	6.6	3.2	1.9	176	3	98	110	2	98	0	
19	291,280	6.8	3.8									
20	287,900	6.7	4.0									
21	262,740	6.8	4.0									
22	256,260	6.5	3.2									
23	351,000	6.4	3.8	1.3	216	7	97	90	2	98	0	
24	345,250	6.6	2.8									
25	478,650	6.6	3.3	1.5	116	8	93	100	4	96	0	
26	339,650	6.6	3.9									
27	265,650	6.4	3.8									
28	494,550	6.5	2.0									
29	359,700	6.6	3.0									
30	343,850	6.6	3.0	1.2	76	8	89	43	2	95	0	
31	351,050	6.7	2.5									
Tot.	10,345,060				1420	65	846	1117	43	860		
Ave.	333,712				158	7	95.6	124	5	96.0	1.17	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11248/8 (REV. 6-83)

PLANT

ONSLow BEACH

MONTH

JULY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	129,000	6.4	4.0									
2	132,000	6.4	3.8	2.8	104	7	93	52	1	98	0	
3	120,000	6.4	4.5									
4	116,000	6.3	3.8	2.5	188	5	97	46	2	96	0	
5	145,000	6.4	3.8									
6	142,000	6.8	3.8									
7	140,000	6.7	4.0									
8	120,000	6.8	4.0									
9	110,000	6.6	3.5	0.3	180	5	97	78	2	97	0	
10	114,000	6.7	4.2									
11	106,000	6.5	4.0	-	120	7	94	100	12	88	0	
12	109,000	6.6	2.3									
13	110,000	6.4	4.0									
14	124,000	6.4	4.0									
15	128,000	6.5	3.8									
16	134,000	6.5	3.0	4.0	136	7	95	68	1	99	0	
17	141,000	6.7	4.5									
18	127,000	6.6	4.5	4.9	192	5	96	48	2	96	0	
19	110,000	6.8	4.0									
20	105,000	6.7	4.0									
21	100,000	6.6	3.2									
22	127,000	6.5	3.8									
23	129,000	6.4	4.0	5.1	280	11	96	76	1	99	0	
24	139,000	6.4	4.2									
25	141,000	6.4	4.2	6.8	104	10	90	27	5	81	0	
26	110,000	6.6	4.2									
27	116,000	6.5	4.0									
28	120,000	6.2	2.8									
29	129,000	6.2	4.0									
30	106,000	6.2	2.0	0.3	120	6	95	20	3	85	0	
31	104,000	6.2	4.6									
Tot.	3,783,000				1424	63	853	515	29	839		
Ave.	122,032				158	7	95.6	57	3	94.7	0.0	

There are 4 sets
of the enclosure inside

Two for use and two for TYWLAH

LAB FILE 6286/1

6280/2
NREAD
9 Jan 85

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 enclosure be routed to the Utilities
Systems General Foreman. The enclosure summarizes the subject
data for all sewage treatment plants for 1-31 JULY 1985.
The data/information except chlorine residuals shown under
the "LAB" column are submitted to the EPA and state in accordance
with the NPDES permit.

J. I. WOOTEN

Blind copy to
GCL, NREAD
→

ANNIE
8 AUG 1985
PLEASE CALL TYWLAH AND FIND OUT WHICH FILE
NUMBERS (THE LAB'S ON NREAD'S) DO WE USE ON
LETTERS WRITTEN BY US AND SIGNED BY THE
DIRECTOR (LIKE THIS ONE) AND ARE FILED BOTH
PLACES

BETSY



1-21-1951

There are 4 sets
of the enclosure inside

Two for USE AND Two for TYM/AAH

LAB FILE 6286/1

6280/2
NREAD
9 Jan 85

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)

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data for all sewage treatment plants for 1-31 JULY 1985

The data/information except chlorine residuals shown under
the "LAB" column are submitted to the EPA and state in accordance
with the NPDES permit.

J. I. MOOTEN

Blind copy to
GCL, NREAD
→



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1-21 N. 11-1

6280/2

NREAD

9 Jul 85

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-30 JUN 85. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to: QCL, NREAD

Writer: E. Betz, NREAD 5977
Typist: A. Blackstock 8 Jul 85

6280/2
NREAD
8 JUL 85

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for 1-30 JUN 85. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to: QCL, NREAD

Writer: E. Betz, NREAD 5977
Typist: A. Blackstock 8 Jul 85

CONFIDENTIAL

From Director, Federal Bureau of Investigation, Washington, D.C. to Director, Environmental Protection Agency, Washington, D.C. (Encl. 1)

RE: NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES) - NEW YORK STATE

Enclosed for the Agency are two copies of a report titled "NPDES Permitting in New York State" prepared by the New York State Department of Environmental Conservation. The report contains information regarding the State's NPDES permitting program and its compliance with the requirements of the Federal Water Pollution Control Act (FWPCA) and the Clean Water Act (CWA). The report also discusses the State's efforts to improve its permitting process and to ensure that all dischargers are properly regulated.

Very truly yours,

Director, Federal Bureau of Investigation

Enclosure

6280/2
NREAD
10 June 1985

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

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 enclosure be routed to the Utilities
Systems General Foreman. The enclosure summarizes the subject
data for all sewage treatment plants for May 1985.

2. The data/information, except chlorine residuals shown under
the "LAB" column, are submitted to the EPA and State in accord-
ance with the NPDES Permit.

J. I. WOOTEN

Blind copy to:
→ SupvChem

Writer: E. Betz, NREAD 5977
Typist: J. Cross 10June85

100-100000-100000
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100-100000-100000

From Director, Bureau of Investigation and
Division of Investigation, Bureau of
Base and Subsidiary (Division of
Census, and Bureau of
WARRANT FOR ARREST OF
THE FOLLOWING PERSONS:

(1) MONROE, who was arrested at
It is reported that the subject is
System General Agent. The procedure
has for all cases against
The following persons are
the FBI, and should be
and also the FBI.

100-100000-100000

100-100000-100000
100-100000-100000

PLANT

CAMP BEIGER

MONTH

MAY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/l	LAB mg/l								
1	684,100	6.6	4.0	3.0	144	11	92	82	2	98	0	
2	720,100	6.3	4.0	3.8	132	7	95	85	3	96	0	
3	792,200	6.6	3.0	4.0	212	10	95	152	1	99		
4	597,300	6.6	4.0									
5	643,500	6.6	4.0									
6	696,200	6.6	4.0									
7	687,700	6.6	4.0	3.2	120	6	95	86	4	95	0	
8	665,800	6.9	4.0	3.8	116	5	96	64	4	94	0	
9	753,400	6.6	4.0	4.5	220	12	95	136	6	96	0	
10	760,900	6.8	4.0	4.2	120	10	92	88	10	89		
11	730,300	6.8	4.0									
12	717,300	6.8	4.0									
13	785,300	6.8	4.0									
14	775,900	6.8	4.0	4.0	128	7	95	70	8	89	0	
15	821,800	6.6	4.0	3.1	212	12	94	140	8	94	0	
16	769,800	6.8	4.0	2.8	124	7	94	85	5	94	0	
17	741,200	6.8	3.0	3.7	148	11	93	94	4	96	0	
18	594,400	6.8	4.0									
19	600,600	6.8	4.0									
20	680,700	6.8	4.0									
21	609,100	6.8	4.0	4.2	144	8	94	82	3	96	0	
22	641,700	6.6	4.0	3.9	124	9	94	92	2	98	0	
23	798,800	6.8	4.0	3.3	152	8	95	116	6	95	0	
24	728,000	6.6	4.0	1.5	116	7	94	120	2	98		
25	689,000	6.6	4.0									
26	728,300	6.8	4.0									
27	658,900	6.6	4.0									
28	761,100	6.8	4.0	2.1	108	5	95	112	2	98	0	
29	758,600	6.6	4.0	1.5	116	6	95	96	0	100	0	
30	688,600	6.6	4.0	3.6	132	8	94	138	2	99	0	
31	698,100	7.0	3.0	—	132	6	96	72	2	97		
Tot.	21,978,700		121	60.2	2700	155	193/94.4	1910	74	1821/95.8	0.0	
Ave.	708,990		3.9	3.3	142	8	94.4	101	4	96.0		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

MONTH

TARAWA TERRACE

MAY 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	594,000	6.8	4.0	3.6	241	20	92	108	5	95	2	
2	620,400	6.8	5.0	3.1	228	14	94	200	6	97	0	
3	699,500	6.8	4.0	3.2	200	14	93	228	3	99		
4	670,700	6.7	4.0									
5	647,300	6.8	4.0									
6	630,000	6.7	4.0									
7	612,000	6.6	4.0	3.0	220	15	93	134	4	97	chr	
8	570,500	6.6	4.0	3.6	208	13	94	100	5	95	CL ₂	
9	640,900	6.4	4.5	3.7	312	16	95	288	5	98	0	
10	632,600	6.6	4.0	4.0	156	13	92	110	4	96		
11	725,300	6.5	5.0									
12	740,100	6.4	4.5									
13	629,000	6.6	4.0									
14	755,000	6.8	4.0	2.8	236	14	94	385	6	98	0	
15	575,000	6.8	4.0	3.0	260	16	94	146	7	95	0	
16	595,000	6.6	2.5	2.6	192	9	95	163	3	98	0	
17	606,300	6.3	4.0	3.3	184	11	94	204	2	99		
18	637,800	6.6	4.0									
19	673,100	6.5	4.0									
20	706,500	6.5	4.0									
21	735,400	6.5	4.0	3.1	156	13	92	82	6	93	0	
22	638,100	6.7	4.0	3.4	232	10	96	190	3	98	0	
23	605,400	6.6	4.5	3.2	220	12	95	232	6	97	0	
24	657,000	6.6	4.5	2.2	244	13	95	240	2	99		
25	559,500	6.5	4.5									
26	446,900	6.6	4.5									
27	646,000	6.6	4.5									
28	677,500	6.6	5.0	2.7	164	13	92	124	6	95	4	
29	614,900	6.6	4.0	2.5	144	13	91	128	6	95	0	
30	576,500	6.6	4.5	3.2	152	14	91	134	8	94	2	
31	601,900	6.6	4.5	—	180	14	92	154	3	98		
Tot.	19,720,100		130	56.2	3936	257	1774/93.4	3350	90	1836/96.6		
Ave.	636,132		4.2	3.1	207	17	93.2	176	5	97.2	1.24	

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP JOHNSON

MONTH

MAY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	351,100	6.8	8.0	9.2	230	14	94	237	3	99	0	
2	363,200	6.8	5.0	6.0	92	8	91	49	2	95	0	
3	288,000	6.7	7.0	4.8	232	4	98	148	1	99		
4	354,600	6.7	6.0									
5	340,200	6.7	5.0									
6	336,600	6.7	3.0									
7	342,200	6.8	3.0	3.3	196	8	96	112	2	98	0	
8	319,300	6.7	4.0	4.7	208	11	95	126	3	98	0	
9	384,500	6.6	4.0	4.5	176	15	91	64	1	98	0	
10	322,200	6.6	4.0	3.0	108	11	90	50	4	92		
11	319,400	6.6	4.0									
12	345,800	6.6	4.0									
13	355,500	6.7	5.0									
14	391,300	6.6	4.0	2.9	184	8	96	64	2	97	0	
15	245,000	6.6	3.0	2.4	136	10	93	94	4	96	0	
16	442,600	6.6	2.0	1.0	180	5	97	80	3	96	0	
17	344,500	6.6	4.0	1.7	152	11	93	65	1	98		
18	314,400	6.6	4.0									
19	341,800	6.7	4.0									
20	339,600	6.5	2.0									
21	357,700	6.6	6.0	6.7	184	0	95	198	2	99	0	
22	345,600	6.8	5.0	7.6	184	27	85	56	1	98	0	
23	333,800	6.7	6.0	7.0	64	7	89	36	3	92	0	
24	349,310	6.6	4.0	2.8	88	8	91	58	2	97		
25	335,300	6.5	5.0									
26	336,600	6.5	5.0									
27	341,400	6.4	6.0									
28	349,500	6.6	3.0	1.1	92	11	88	46	6	87	0	
29	373,500	6.6	6.0	1.2	140	10	93	57	3	95	0	
30	333,700	6.7	6.0	4.2	140	11	92	136	4	97	86	
31	329,600	6.9	3.0	—	76	10	87	39	4	90		
Tot.	10,627,800				2,962	198	1754/92.3	1709	51	1821/95.8	1.38	
Ave.	342,832				161	10	93.4	90	3	96.7		

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT

HADNOT POINT

MONTH

MAY

1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	3792000	6.6	4.0	3.2	184	15	92	181	6	97	2	
2	3928000	6.8	3.8	7.6	168	17	90	180	7	96	6	
3	4205000	6.8	4.1	5.2	344	23	93	224	8	96		
4	3184000	6.8	4.0									
5	3363000	6.8	4.0	2.6	108	15	86	78	6	92		
6	3,512,000	6.8	4.0									
7	3780000	6.7	4.2	2.5	152	17	89	122	7	94	2	
8	3,856,000	6.8	4.3	3.5	CL ₂ = 1.0			62	5	92	0	
9	4,142,000	6.4	3.8	3.0	152	21	86	88	8	91	20	
10	4,340,000	6.6	4.1	3.4	136	17	88	119	9	92		
11	4,033,000	6.5	4.2									
12	3,947,000	6.5	4.1	3.7	80	14	83	45	6	87		
13	4,810,000	6.4	4.4									
14	4,564,000	6.3	4.4	2.5	116	13	89	99	6	94	2	
15	3,865,000	6.8	4.2	2.6	156	15	90	112	7	94	6	
16	4,152,000	6.7	4.0	2.3	96	13	86	106	3	97	10	
17	3,880,000	6.8	3.7	2.9	156	17	89	138	5	96		
18	3,797,000	6.8	4.0									
19	4,386,000	6.8	4.0	3.5	92	13	86	74	4	95		
20	4,473,000	6.7	4.1									
21	3,553,000	6.8	4.0	2.9	152	16	89	138	6	96	44	
22	4,261,000	6.8	4.1	3.4	160	17	89	126	5	96	0	
23	4,819,000	6.7	4.0	3.0	132	16	88	148	6	96	0	
24	4,277,000	6.8	3.8	3.0	112	15	87	78	3	96		
25	3,582,000	6.9	4.0									
26	3,556,000	6.8	3.9	3.5	70	13	80	51	6	88		
27	3,911,000	6.9	3.9									
28	4,453,000	6.6	4.2	3.5	128	11	91	134	5	96	0	
29	4,862,000	6.6	4.1	2.5	144	18	88	128	3	98	0	
30	4,997,000	6.8	4.0	3.1	128	17	87	90	6	93	0	
31	3,984,000	6.6	4.0	—	92	13	86	70	6	91		
Tot.	126,264,100		12.54	73.4	3058	346	1933/87.9	2585	133	2163/940	2.87	
Ave.	4073032		4.6	3.3	139	16	88.5	112	6	94.6		

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCCL 113:5/8 (REV. 6-83)

PLANT

RIFLE RANGE

MONTH

MAY 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	238,550	6.8	6.0									
2	244,300	6.6	5.0	2.2	36	5	86	49	3	93	0	
3	173,930	6.5	6.0									
4	181,340	6.4	6.0									
5	246,270	6.4	0.0									
6	194,290	6.4	5.0									
7	143,260	6.3	2.0	1.2	64	9	86	260	4	98	0	
8	98,030	6.5	5.0									
9	98,300	6.3	2.0	2.2	128	12	91	251	2	99	0	
10	214,210	6.7	4.0									
11	134,530	6.7	4.0									
12	213,110	6.8	5.0									
13	156,500	6.9	5.0									
14	130,520	6.4	6.0	4.9	64	6	91	353	1	99	0	
15	202,780	6.6	5.0									
16	192,540	6.6	0.0	3.8	25	4	(84)	159	3	98	6	
17	293,364	6.4	5.0									
18	136,500	6.5	6.0									
19	168,240	6.4	6.0									
20	170,480	6.4	5.0									
21	217,480	6.4	3.0	1.5	64	7	89	156	4	97	0	
22	133,980	6.6	4.0									
23	165,200	7.2	4.0	3.8	80	5	94	120	4	97	2	
24	132,380	6.4	5.0									
25	169,210	6.3	6.0									
26	163,050	6.5	5.0									
27	159,540	6.3	6.0									
28	125,310	6.3	6.0	12.2	40	4	90	266	1	99	0	
29	122,440	6.5	6.0									
30	102,990	6.4	6.0	9.1	40	4	90	59	2	97	0	
31	125,340	6.8	5.0									
Tot.	5,247,964				541	56	801/89	1669	24	877/97.4	0.0	
Ave.	169,289				60	6	90.0	185	3	98.4		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCB&L 11345/8 (REV. 6-83)

PLANT

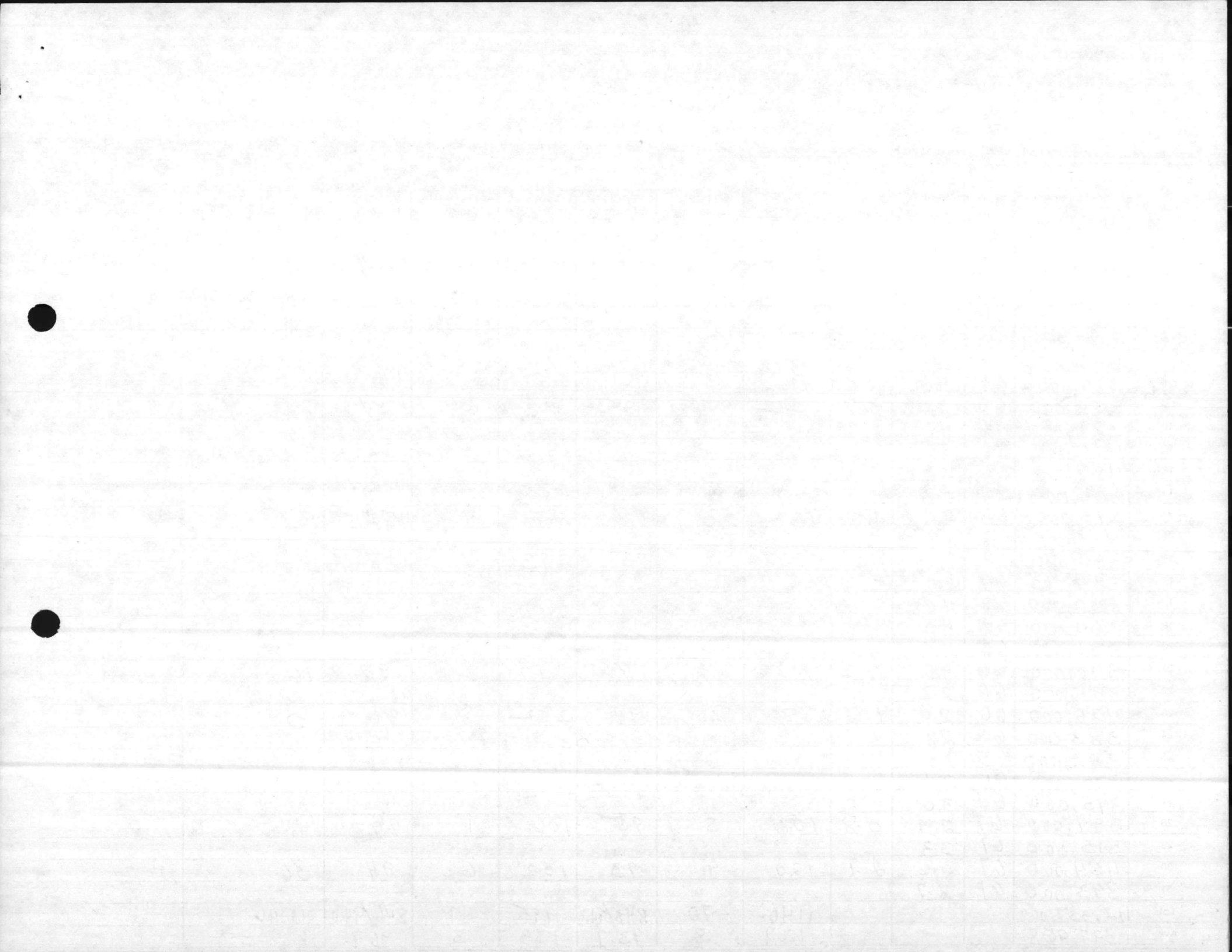
COURTHOUSE BAY

MONTH

MAY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	423,000	6.5	4.0									
2	424,000	6.6	4.0	2.6	168	7	96	175	5	97	220	
3	401,000	6.7	3.5									
4	376,000	6.6	4.0									
5	364,000	6.7	4.0									
6	377,000	6.8	3.0									
7	368,000	6.8	3.5	1.2	124	8	94	105	4	96	210	
8	389,000	6.9	4.0									
9	382,000	6.6	3.8	2.7	140	16	89	38	6	84	4	
10	381,000	6.6	4.1									
11	411,000	6.6	3.2									
12	484,000	6.6	3.2									
13	409,000	6.8	3.2									
14	413,000	6.6	3.1	1.0	60	2	97	47	7	85	0	
15	444,000	6.7	4.2									
16	380,000	6.9	3.7	1.5	136	7	95	293	7	98	8	
17	354,000	6.7	4.0									
18	330,000	6.8	4.0									
19	360,000	6.8	4.0									
20	381,000	6.6	4.0									
21	370,000	6.6	3.5	0.5	112	6	95	117	3	97	16	
22	391,000	6.6	2.2									
23	426,000	6.6	2.0	1.6	172	10	94	212	8	96	0	
24	383,000	6.5	2.8									
25	392,000	6.5	1.9									
26	370,000	6.6	2.4									
27	395,000	6.4	3.0									
28	397,000	6.7	2.4	0.8	108	5	95	106	1	99	4	
29	515,000	6.7	3.3									
30	454,000	6.7	3.6	2.9	120	9	93	102	6	94	36	
31	393,000	6.7	3.7									
Tot.	12,337,000				1140	70	848/94.2	1195	47	846/94.0	11.46	
Ave.	397,968				127	8	93.7	133	5	96.2		

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DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	160,000	6.8	4.0									
2	149,000	6.8	3.5	4.5	180	24	87	76	5	97	12	
3	153,000	6.6	4.5									
4	172,000	6.7	5.0									
5	181,000	6.7	4.0									
6	137,000	6.7	4.0									
7	132,000	6.7	4.0	5.5	88	19	78	42	6	86	50	
8	150,000	6.8	4.0									
9	152,000	6.8	4.0	6.5	160	18	89	154	4	97	0	
10	161,000	6.7	4.0									
11	147,000	6.8	5.0									
12	142,000	6.6	2.0									
13	159,000	6.6	3.0									
14	160,000	6.0	3.5	2.9	44	11	75	34	4	88	2	
15	157,000	6.6	4.0									
16	159,000	6.6	4.0	1.8	280	10	96	96	6	94	4	
17	162,000	6.6	4.0									
18	160,000	6.6	4.5									
19	139,000	6.5	4.0									
20	132,000	6.6	4.0									
21	141,000	6.6	3.0	3.5	88	18	80	39	4	90	38	
22	151,000	6.7	3.5									
23	142,000	6.8	3.5	2.2	72	21	71	15	8	47	100	82.3
24	161,000	6.6	3.0									
25	151,000	6.8	3.0									
26	147,000	6.8	3.5									
27	139,000	6.6	4.0									
28	136,000	6.6	4.0	3.9	100	11	89	60	8	87	2	83.1
29	152,000	6.6	5.0									
30	157,000	6.6	4.0	5.1	160	14	91	74	6	92	24	
31	139,000	6.5	5.0									
Tot.	4,630,000				1172	146	756/84.0	590	51	774/86.0	785	
Ave.	153,968				130	16	87.7	66	6	90.9		

* SEE MR. DAVIS 6/7/85 MEMO ATTACHED

7

6280/2
NREAD
9 May 1985

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for April 1985.

2. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and State, in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to:
→ QCL NREAD

Writer: E. Betz, NREAD 5977
Typist: J. Cross 9May85

1

1. The first section of the report is devoted to a description of the experimental apparatus and the method of measurement. It is found that the results are in good agreement with the theoretical predictions.

2. The second section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

3. The third section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

4. The fourth section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

5. The fifth section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

6. The sixth section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

7. The seventh section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

8. The eighth section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

9. The ninth section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

10. The tenth section of the report is devoted to a discussion of the results obtained in the experiment. It is found that the results are in good agreement with the theoretical predictions.

PLANT

CAMP GEIGER

MONTH

APRIL 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	937400	6.6	3.0			CL						
2	838000	6.6	4.0	4.4	100			6.6	2	97	0	
3	844100	6.6	4.0	3.2	106	5	95	9.2	6	93	0	
4	828800	6.6	4.0	3.4	152	4	97	8.2	1	98	0	
5	744100	6.6	4.0	4.2	164	6	96	9.8	1	99		
6	692500	6.6	4.0									
7	641500	6.8	4.0									
8	727100	6.8	4.0									
9	803300	6.8	4.0	4.2	132	6	95	7.0	4	94	0	
10	810100	6.9	4.0	3.9	124	8	94	11.6	5	96	0	
11	802800	7.0	4.0	2.5	124	8	94	12.8	3	98	0	
12	777700	6.8	4.0	4.1	228	10	96	7.5	3	96		
13	806500	6.6	4.0									
14	934400	6.6	4.0									
15	720600	6.8	4.0									
16	718300	6.8	4.0		96	8	92	4.6	1	98	0	
17	791400	6.8	4.0									
18	830000	6.6	4.0	2.7	132	4	97	7.8	4	95	0	
19	794400	6.6	4.0	3.6	120	6	95	9.4	4	96	0	
20	677100	6.8	4.0									
21	972700	6.9	4.0									
22	772000	6.8	4.0									
23	481000	6.8	4.0	3.1	144	9	94	12.6	5	96	0	
24	698000	6.8	5.0		SAMPLE	ERROR		SAMPLE	ERROR		0	
25	755100	6.8	4.0	4.0	168	10	94	8.6	2	98	0	
26	726700	6.8	4.0	3.0	160	8	95	9.6	3	97		
27	639700	6.8	5.0									
28	629200	6.6	8.0									
29	729200	6.8	4.0									
30	701800	6.6	4.0	3.5	176	8	95	9.6	2	98	0	
31												
Tot.	22,831,500				2120	100	1329/4.9	1349	46	1449/46.6		
Ave.	761,050				141	7	95.0	90	3	96.7	0	



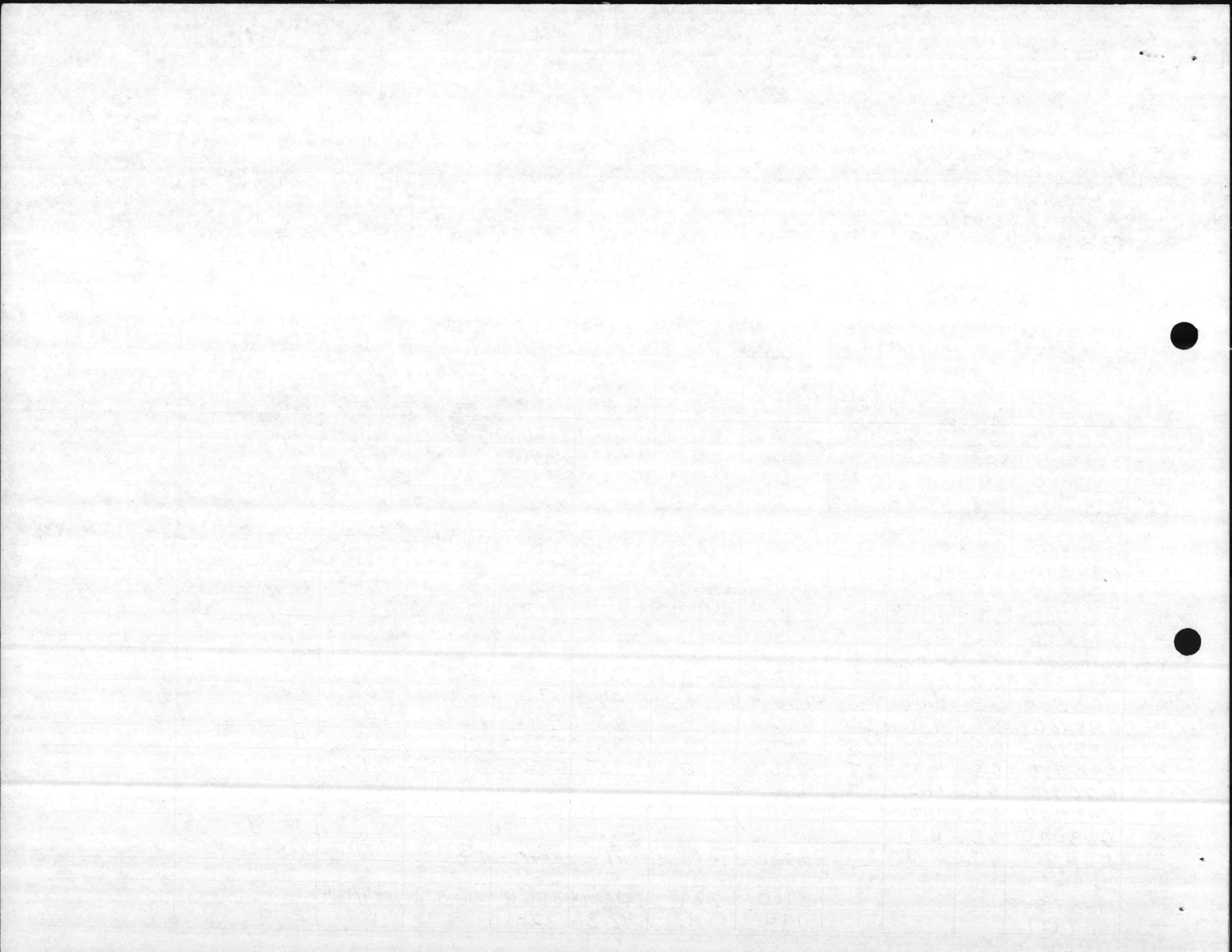
PLANT

TARAWA TERRACE

MONTH

APRIL 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	591400	6.6	4.5									
2	693000	6.6	4.0	3.3	216	13	94	178	2	99	6	
3	558100	6.8	5.0	2.0	120	15	88	169	8	95	2	
4	594100	6.6	4.0	3.3	192	15	92	102	5	95	12	
5	623700	6.6	4.5	2.8	216	19	94	146	3	98		
6	686400	6.5	5.0									
7	654500	6.6	5.0									
8	643500	6.6	4.5									
9	653500	6.6	5.0	4.0	204	17	92	148	5	97	12	
10	610500	6.6	4.1	5.3	208	15	93	559	3	99	12	
11	621500	7.3	4.5	3.5	224	26	88	466	2	99	6	
12	590600	6.7	4.0	4.0	200	15	93	297	4	99		
13	538000	6.8	5.0									
14	679200	6.4	5.0									
15	607500	6.7	4.0									
16	720400	6.8	4.0		100	8	92	54	1	98	4	
17	656300	6.8	4.0									
18	631300	6.6	4.0	2.6	204	11	95	186	5	97	0	
19	630600	6.6	4.0	3.0	240	13	95	182	7	96		
20	692500	6.6	4.0									
21	674200	6.6	4.0									
22	671300	6.2	2.5									
23	653500	6.5	4.0	5.7	160	13	92	173	7	96	0	
24	649100	6.6	4.0	3.5	112	14	88	94	6	94	0	
25	658100	6.5	3.0	3.8	256	10	96	276	1	99	4	
26	690700	6.5	4.0	3.8	216	10	95	208	1	99		
27	626900	6.6	4.0									
28	649500	6.5	4.0									
29	603000	6.5	4.0									
30	584800	6.5	4.0	3.1	232	21	91	326	3	99	0	
31												
Tot.	19137800				3100	229	1478/924	3564	63	1559/97.4		
Ave.	637927				194	14	92.8	223	4	98.2	2.19	



PLANT

CAMP JOHNSON

MONTH

APRIL 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
TOTAL DAILY GPD		PLANT mg/1	LAB mg/1									
1	346 000	6.7	8.0									
2	454 000	6.6	3.0	3.3	140	10	93	58	3	95	8	
3	460 000	6.5	4.0	4.1	116	16	91	65	6	91	0	
4	459 000	6.3	2.5	2.7	120	12	90	87	8	91	2	
5	464 000	6.7	3.0	1.6	220	15	93	58	6	90		
6	392 000	6.5	6.0									
7	405 000	6.5	6.0									
8	455 000	6.5	3.0									
9	466 000	6.7	3.0	1.4	192	74	93	106	7	93	0	
10	460 000	6.6	3.0	3.7	112	14	88	68	7	90	6	
11	443 000	6.6	6.0	4.0	84	11	87	72	4	94	0	
12	460 000	6.5	3.0	3.4	144	15	90	107	7	93		
13	438 000	6.5	6.0									
14	420 000	6.6	6.0									
15	455 000	6.4	4.0									
16	451 000	6.6	5.0								0	
17	455 000	6.5	4.0									
18	448 000	6.5	3.0	3.0	104	10	90	102	10	90	4	
19	506 000	6.6	4.0	5.7	168	13	92	62	7	89		
20	378 000	6.7	4.0									
21	467 000	6.8	4.0									
22	460 000	6.6	3.0									
23	451 000	7.0	3.0	2.0	252	10	96	175	6	97	0	
24	471 000	6.9	3.0	2.0	192	10	95	130	7	95	0	
25	273 000	6.7	3.0	0.6	152	8	97	530	4	99	2	
26	678 000	6.5	3.0	0.9	148	9	93	108	5	95		
27	387 000	6.7	4.0									
28	476 000	6.8	6.0									
29	467 000	6.6	6.0									
30	454 000	6.7	3.0	8.2	168	12	93	52	2	96	ch2 -	
31												
Tot	13 399 000				2312	173	1381/92.1	1780	89	1398/93.2		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV 6-83)

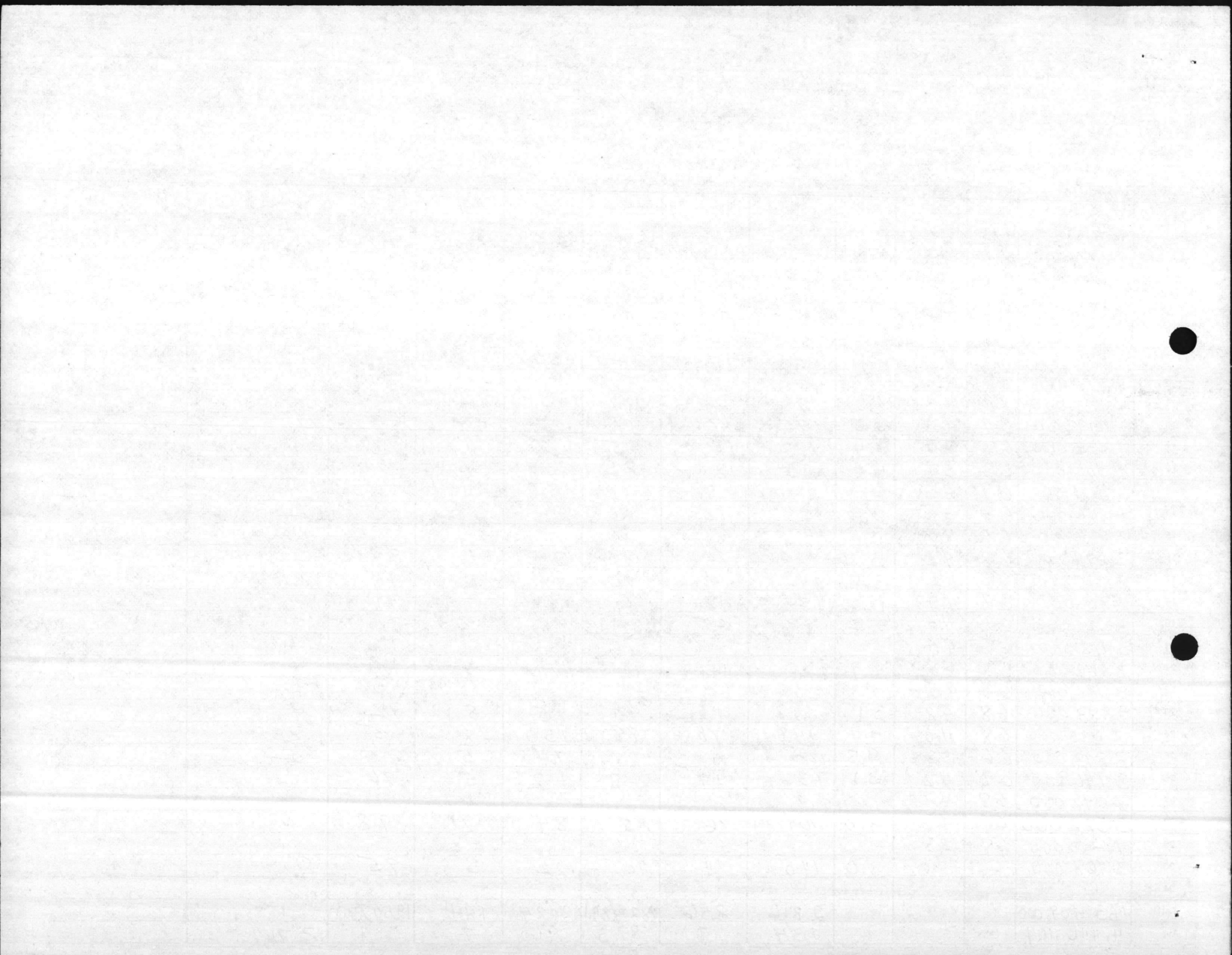
PLANT

HADNOT POINT

MONTH

APRIL 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW	EFFLUENT	PERCENT	RAW	EFFLUENT	PERCENT	NUMBER PER	GEOMETRIC
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1	mg/1	mg/1	REMOVAL	mg/1	mg/1	REMOVAL	100 ml	MEAN
1	5 704 000	6.7	4.2									
2	5 000 000	6.7	4.0	6.2	120	15	88	74	3	96	0	
3	7 197 000	6.8	4.0	3.1	128	15	88	118	9	92	0	
4	5 830 000	6.6	4.0	2.9	148	19	87	112	10	91	2	
5	5 874 000	6.8	4.2	3.1	136	21	85	53	4	92		
6	6 878 000	6.8	4.0									
7	6 096 000	6.9	4.2	2.8	96	17	82	60	10	83		
8	7 392 000	6.8	3.8									
9	4 322 000	6.8	4.0	5.3	124	20	84	92	14	85	6	
10	3 919 000	6.7	4.3	4.0	140	16	89	74	4	95	4	
11	4 099 000	6.8	4.0	3.4	132	15	85	106	7	93	80	
12	4 000 000	6.8	5.1	4.9	120	18	85	88	6	93		
13	3 470 000	6.9	4.5									
14	3 570 000	6.8	3.0	3.3	128	18	86	114	10	95	2	
15	3 984 000	6.6	4.0									
16	3 696 000	6.8	4.2	3.0	120	14	88	84	6	93	0	
17	3 695 000	6.6	4.2	3.5	140	14	90	94	6	94	2	
18	3 817 000	6.7	4.5	1.8	152	18	88	104	9	91	6	
19	3 676 000	6.6	4.0	3.2	160	25	87	72	8	91		
20	3 418 000	6.6	4.0									
21	3 308 000	6.8	4.0	3.9	160	15	91	122	4	97		
22	3 630 000	6.6	4.0									
23	3 583 000	6.8	4.2	3.1	152	15	90	95	8	92	4	
24	3 635 000	6.8	4.0	4.0	148	18	88	150	8	95	2	
25	3 898 000	6.6	3.8	3.5	132	16	88	74	5	93	2	
26	3 746 000	6.7	4.2	3.1	136	17	88	112	5	96		
27	4 542 000	6.8	4.0									
28	3 522 000	6.9	4.0	3.0	104	16	85	84	2	98		
29	4 140 000	6.8	3.8									
30	3 768 000	6.6	4.0	3.0	140	14	90	122	6	95	0	
31												
Tot.	133,409,000				2 816	356	1829/87.1	2024	144	1950/92.9		
Ave.	4,446,967				134	17	87.3	96	7	92.7	2.76	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

MONTH

RIFLE RANGE

APRIL 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	258570	6.8	4.0									
2	252910	6.4	3.0	3.8	72	7	90	207	1	99	0	
3	308510	6.4	5.0									
4	347270	6.5	4.0	1.7	52	7	87	510	4	99	C12	
5	242760	6.5	6.0									
	246340	6.5	6.0									
7	251150	6.3	4.0									
8	213580	6.5	4.0									
9	286000	6.5	8.0	0.8	88	9	90	238	7	97	0	
10	249030	6.7	5.0									
11	251260	7.0	4.0	1.0	52	7	87	34	2	94	0	
12	171560	6.4	6.0									
13	210200	6.3	5.0									
14	266270	6.3	5.0									
15	214540	6.4	6.0									
16	223130	6.3	6.0									
17	180440	6.4	5.0									
18	239130	6.5	6.0	4.0	85	3	97	590	5	99	0	
19	210660	6.8	4.0									
20	215870	6.9	0.0									
21	236400	6.9	4.0									
22	216270	6.9	4.0									
23	206180	6.3	6.0	2.5	56	5	91	46	2	96	0	
24	190020	6.4	6.0									
25	266630	6.4	6.0	1.0	72	5	93	442	1	99	0	
26	170550	6.4	5.0									
27	124290	6.5	5.0									
28	130890	6.4	6.0									
29	140680	6.3	5.0									
30	246050	6.3	6.0	0.6	72	6	92	78	4	95	0	
31												
Tot.	6817140				549	49	727/90.9	2145	26	778/97.3		
Ave.	227238				69	6	91.3	268	3	98.9	0	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT

MONTH

COURTHOUSE 13AY

APRIL 1985

PLANT EFFLUENT DATA

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	434,000	6.7	4.3									
2	445,000	6.8	3.3	2.2	104	9	91	80	3	96	0	
3	419,000	6.7	4.6									
4	449,000	6.6	3.9	2.7	184	13	93	79	1	99	70	
5	366,000	6.6	4.2									
6	333,000	6.5	4.3									
7	383,000	6.7	4.0									
8	392,000	6.7	4.0									
9	421,000	6.6	4.0	2.8	104	10	90	118	4	97	2	
10	423,000	6.6	4.4									
11	464,000	6.6	4.4	2.0	224	14	94	88	8	91	2	
12	459,000	6.7	4.0									
13	488,000	6.7	4.6									
14	473,000	6.6	4.0									
15	519,000	6.5	3.8									
16	513,000	6.7	2.7									
17	437,000	6.9	4.0									
18	525,000	6.6	4.0	3.0	88	7	92	72	8	89	2	
19	416,000	6.6	3.9									
20	390,000	6.6	4.1									
21	376,000	6.4	3.6									
22	369,000	6.5	5.2									
23	347,000	6.6	3.9	1.5	168	6	94	116	5	96	360	
24	360,000	6.6	4.1									
25	505,000	6.6	2.3	1.5	252	18	93	118	4	97	0	
26	317,000	6.7	4.0									
27	365,000	6.8	4.4									
28	456,000	6.4	4.0									
29	412,000	6.9	4.0									
30	407,000	6.6	2.9	3.0	124	10	92	152	6	96	0	
31												
Tot.	12,682,000		18.7	1188	87	739/924	823	39	761/95.1			
Ave.	422,733		3.9	2.3	149	11	92.6	103	5	95.2	4.60	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

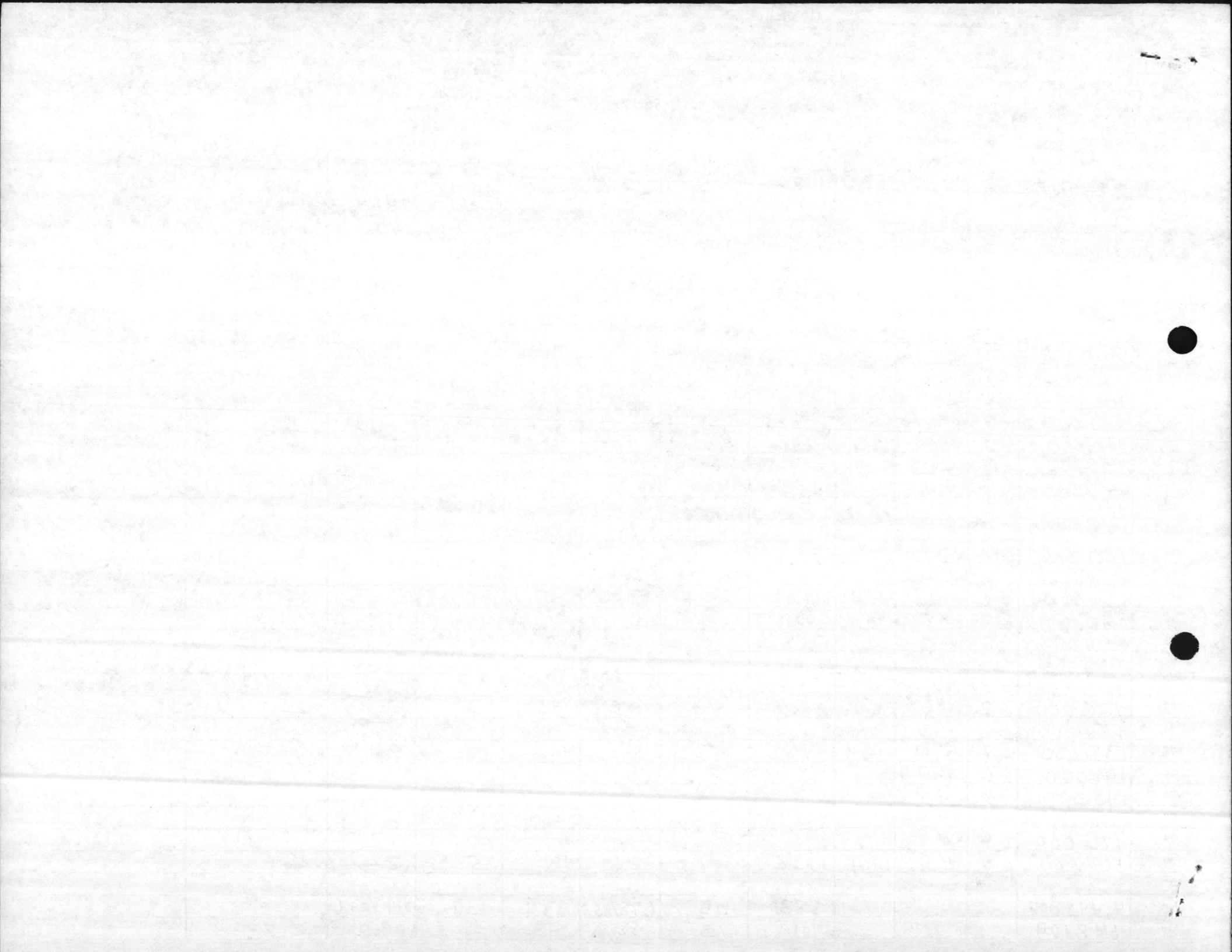
PLANT

ONSLOW BEACH

MONTH

APRIL 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	164 000	7.0	3.0									
2	120 000	7.0	4.5	6.5	24	10	58	4	0	100	0	
3	194 000	7.2	4.0									
4	120 000	7.0	3.0	2.7	124	15	88	61	1	49	770	
5	165 000	6.8	4.0									
6	194 000	7.0	4.0									
7	134 000	7.0	4.0									
8	141 000	6.8	4.0									
9	142 000	6.8	4.0	3.9	136	11	92	126	9	93	0	
10	140 000	7.0	4.0									
11	110 000	6.9	4.0	2.5	192	12	94	20	4	80	0	
12	105 000	6.6	4.0									
13	149 000	6.8	4.0									
14	100 000	6.8	4.0									
15	183 000	6.6	3.0									
16	180 000	6.8	4.0									
17	177 000	6.8	4.0									
18	174 000	6.9	4.0	3.4	112	15	87	68	10	85	0	
19	160 000	6.8	3.5									
20	154 000	6.8	6.0									
21	130 000	6.8	4.0									
22	120 000	6.8	4.0									
23	126 000	6.8	4.0	4.0	84	13	85	36	6	83	2	
24	137 000	6.6	4.0									
25	139 000	6.7	3.0	3.4	96	12	88	46	2	96	0	
26	141 000	6.6	4.0									
27	140 000	6.8	4.0									
28	160 000	6.8	4.0									
29	175 000	6.8	4.0									
30	165 000	6.6	4.5	14.4	120	17	86	28	5	82	2	
31												
Tot.	4,443 000				888	105	678/85.0	389	37	717/89.6		
Ave.	148 100				111	13	88.3	49	5	89.8	2.73	



6280/2
NREAD
9 Apr 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Base Maintenance Officer, Marine Corps Base, Camp Lejeune,
North Carolina (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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for March 1985. The data/information, except chlorine residuals shown under the "LAB" column, are submitted to the EPA and State in accordance with the NPDES permit.

J. I. WOOTEN

→ Blind copy to:
SupvChem

Writer: E. Betz, Nread 5977
Typist: J. Cross 9Apr85



Faint, illegible text, possibly bleed-through from the reverse side of the page.



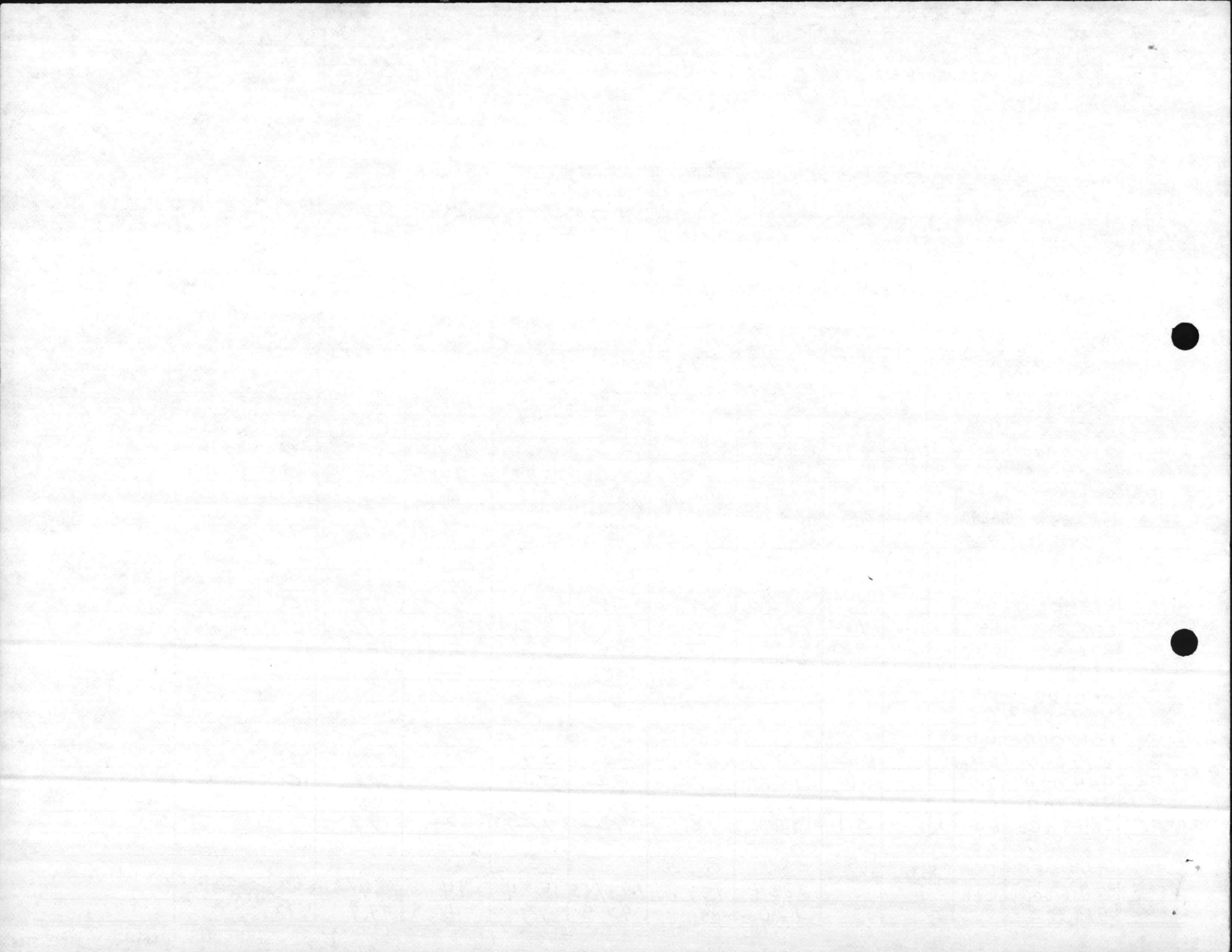
PLANT

CAMP GEIGER

MONTH

MARCH 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	891800	6.8	4.0	4.0	132	10	92	90	2	98		
2	840700	6.5										
3	861300	6.5										
4	839600	6.4										
5	861300	6.8		3.5	112	12	89	53	2	96		
6	950600	6.6		3.9	116	7	94	62	1	97	0	
7	998000	6.6		4.8	112	11	90	74	2	97	0	
8	884500	6.6		4.5	128	13	90	52	2	96	0	
9	816400	6.8										
10	748100	6.6										
11	845600	7.0										
12	819900	7.0		4.7	128	8	93	80	1	99	0	
13	891400	6.7		4.0	150	6	96	98	2	98	0	
14	880200	6.8		4.5	169	9	99	83	2	98	0	
15	822400	6.7		5.0	108	9	92	71	7	90		
16	875300	6.8										
17	790600	6.8										
18	875300	6.8										
19	812900	6.8		5.2	108	7	94	84	6	93	0	
20	802700	6.8		4.6	120	5	96	87	3	97	0	
21	876000	6.8		4.2	112	7	94	90	5	94	0	
22	1105000	6.7		3.8	104	17	(89)	144	22	85		
23	919000	6.4										
24	867000	6.4										
25	1010000	6.6										
26	879000	6.7		4.2	84	9	89	34	7	(79)	0	
27	944000	7.0		3.6	152	12	92	72	6	92	0	
28	997200	6.2		4.5	104	9	91	88	2	98	0	
29	1849900	6.6		3.1	96	8	92	72	2	97		
30	884500	6.6										
31	965600	6.6	4.0									
Tot.	28406000				2034	159	1563/86.8	1334	74	1604/94.4		
Ave.	916322				120	9	92.5	79	4	94.9	0	



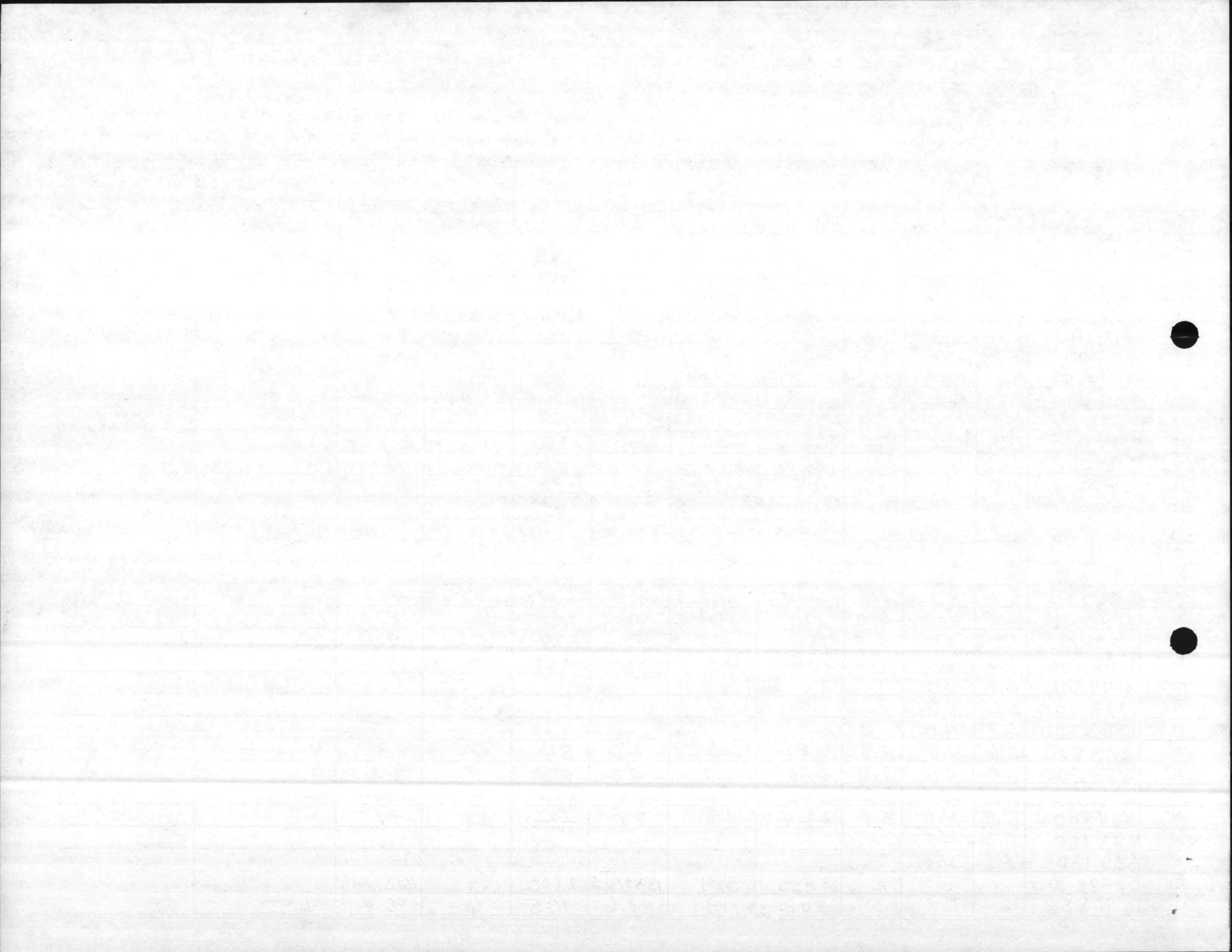
PLANT

MONTH

TARAWA TERRACE

MARCH 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/l	LAB mg/l	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	632600	6.7	4.8	3.6	236	16	93	212	5	98		
2	611100	6.6	5.0									
3	640500	6.6	4.8									
4	664000	6.6	4.9									
5	624200	6.8	4.0	3.0	260	25	90	218	6	97		
6	646700	6.8	4.0	3.8	180	23	87	186	7	93	0	
7	631700	6.8	4.5	4.6	188	25	88	86	12	86	0	
8	618500	6.8	5.0	4.2	212	23	89	186	5	95	0	
9	657000	6.8	5.0									
10	635000	6.8	5.0									
11	780000	6.8	5.0									
12	645500	6.8	5.0	4.0	160	23	86	178	1	99	2	
13	650500	6.8	4.0	3.0	196	19	90	86	5	94	4	
14	676800	6.7	4.0	4.2	192	16	92	260	5	98	10	
15	674500	6.7	4.0	4.0	148	16	89	112	7	94		
16	661800	6.7	4.0									
17	733200	6.6	6.0									
18	699000	6.7	4.0									
19	631000	6.7	5.0	3.2	290	17	94	647	7	99	2	
20	728000	6.7	4.0	4.0	216	14	94	118	4	97	0	
21	653800	6.5	2.0	3.0	164	19	92	174	5	97	2	
22	1108500	6.7	4.0	2.0	124	19	85	132	12	91		
23	644900	6.6	4.0									
24	713700	6.6	5.0									
25	683700	6.7	4.0									
26	708800	6.6	4.0	2.8	192	22	89	84	6	93	4	
27	669200	6.8	4.0	2.6	216	17	92	88	7	92	0	
28	614400	6.6	4.0	3.2	232	12	95	176	3	98	2	
29	624800	6.6	4.0	3.1	224	14	94	22	2	91		
30	683100	6.6	4.0									
31	636100	6.6	4.0									
Tot.	20982600				3430	314	1539/90.5	2805	99	1612/94.8		
Ave.	676858				202	19	90.6	165	6	96.4	1.92	



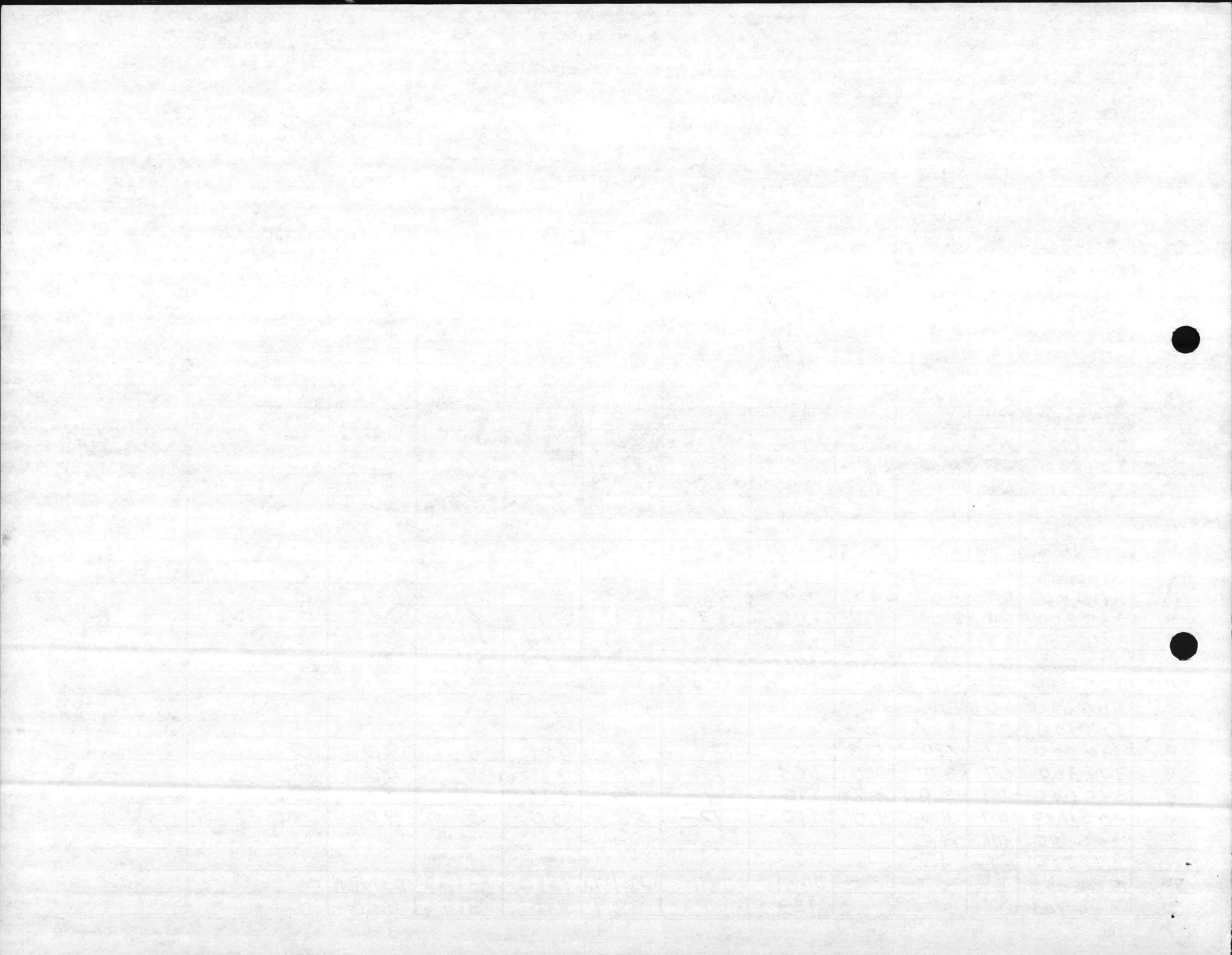
PLANT

MONTH

CAMP JOHNSON

MARCH 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW	EFFLUENT	PERCENT	RAW	EFFLUENT	PERCENT	NUMBER PER	GEOMETRIC
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1	mg/1	mg/1	REMOVAL	mg/1	mg/1	REMOVAL	100 ml	MEAN
1	319300	6.7	6.0	6.8	148	16	89	86	6	93		
2	248300	6.6	5.0									
3	269900	6.6	6.0									
4	306100	6.7	4.0									
5	319100	6.7	6.0	6.6	176	19	89	58	4	93		
6	318100	6.8	3.0	7.0	96	14	85	67	4	94	0	
7	294300	6.7	5.0	6.6	108	17	84	60	6	90	2	
8	549100	6.9	4.0	5.3	96	31	68	84	4	95	2	BOD 24.8
9	439800	6.8	3.0									
10	342600	6.6	4.0									
11	120700	6.6	4.0									
12	308100	6.6	4.0	5.5	216	17	92	72	4	92	0	
13	336200	6.6	4.0	4.6	125	18	86	76	6	92	0	
14	321300	6.7	4.0	5.7	168	16	90	73	8	89	2	
15	331800	6.7	4.0	4.9	170	18	89	110	11	90		
16	261600	6.7	5.0									
17	310500	6.7	4.0									
18	311000	6.6	3.0									
19	311200	6.7	5.0	4.9	64	16	79	44	14	68	0	
20	335300	6.7	5.0	5.8	156	21	87	79	6	92	0	
21	306400	6.8	5.0	5.6	292	14	95	104	14	87	4	
22	242600	6.7	5.0	5.0	140	22	89	150	16	89		
23	235000	6.7	5.0									
24	546600	6.6	5.0									
25	323900	6.7	3.0									
26	326000	6.7	5.0	5.0	200	14	93	72	7	90	0	
27	329300	6.7	6.0	3.0	156	15	90	185	9	95	0	
28	345600	6.7	3.0	3.2	190	7	96	326	7	98	0	
29	335400	6.9	4.0	4.0	100	12	82	50	5	90		
30	405400	6.8	4.0									
31	377700	6.7	4.0									
Tot.	10128000				2601	287	1420/87.1	1692	131	1537/90.4		
Ave.	326709				153	17	88.9	100	8	92.0	1.33	



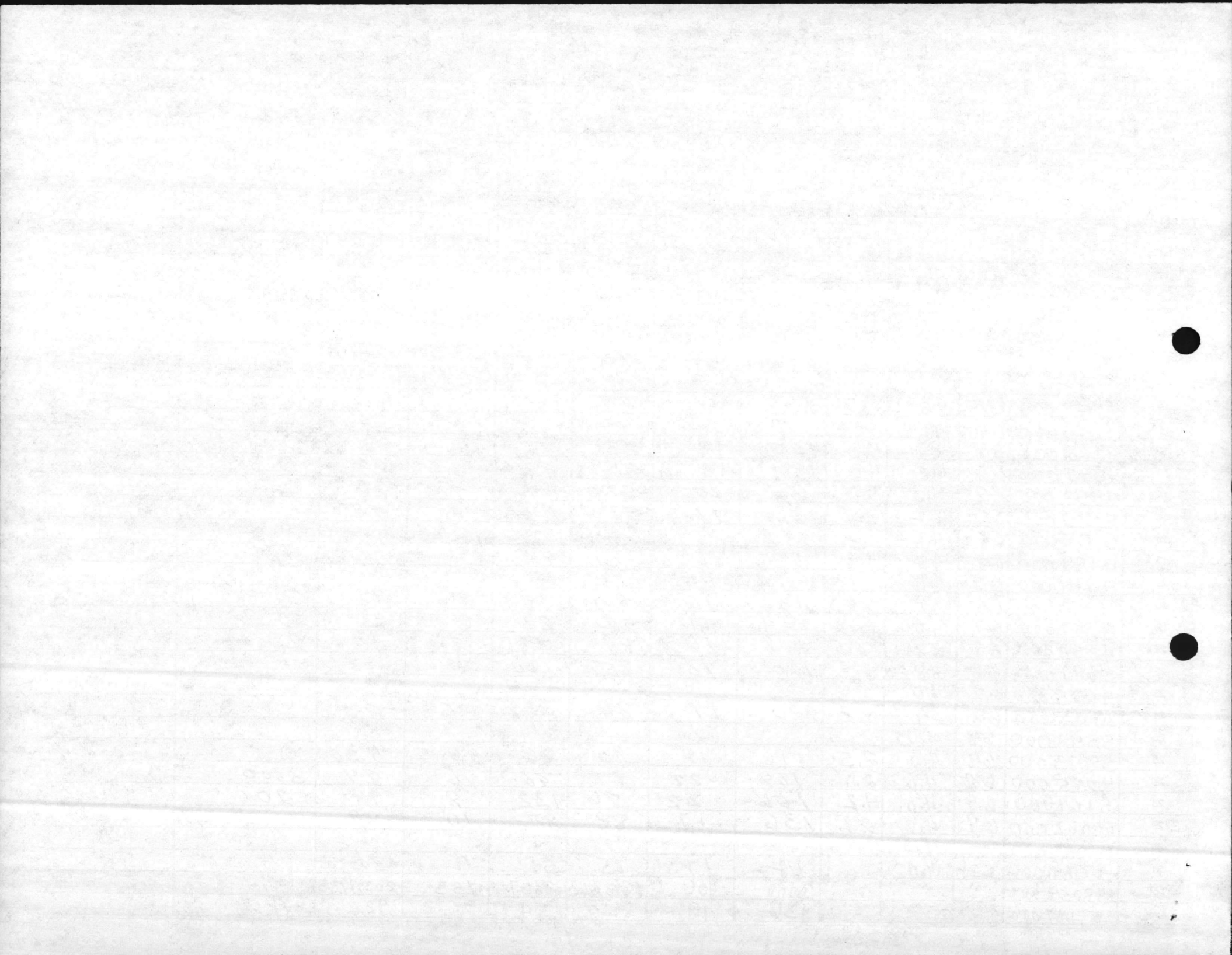
PLANT

HADNOT POINT

MONTH

MARCH 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	5 180 000	7.2	4.0	3.5	144	23	84	96	10	90		
2	5 394 000	6.8	4.0									
3	5 434 000	7.1	4.0	3.7	100	20	80	54	8	85		
4	6 320 000	6.4	4.0									
5	6 672 000	6.9	4.0	3.3	124	21	83	65	7	89		
6	7 210 000	6.8	4.2	4.0	136	17	88	126	4	97	6	
7	8 460 000	6.8	4.0	4.0	132	19	86	144	8	94	2	
8	4 670 000	6.6	4.1	3.9	176	24	86	134	7	95	2	
9	3 978 000	6.8	4.0									
10	4 079 000	6.8	4.0	4.5	128	18	86	94	9	90		
11	4 313 000	6.6	4.0									
12	4 328 000	6.9	3.9	4.5	128	19	85	57	1	98	0	
13	4 297 000	6.6	4.1	4.0	148	18	88	92	6	93	0	
14	4 458 000	6.8	4.0	5.0	152	20	87	94	7	93	2	
15	4 297 000	6.8	4.2	4.4	132	17	87	116	9	92		
16	6 170 000	6.6	4.1									
17	4 159 000	6.9	4.4	4.9	88	16	82	44	2	96		
18	4 241 000	6.8	4.1									
19	4 170 000	6.6	3.8	3.5	132	16	88	84	8	90	0	
20	4 297 000	6.7	4.0	3.8	144	11	92	83	6	93	0	
21	4 357 000	6.9	3.8	3.5	148	16	89	108	8	93	2	
22	5 697 000	6.6	3.8	3.5	120	18	85	140	10	93		
23	4 675 000	6.8	4.0									
24	4 803 000	6.8	3.9	3.7	120	17	86	83	6	93		
25	5 348 000	6.8	4.0									
26	5 853 000	6.8	4.0	2.5	176	18	90	86	6	93	0	
27	4 295 000	6.8	4.0	2.7	168	22	87	46	6	94	3000	
28	5 161 000	6.9	4.0	4.2	156	22	86	132	8	94	20	
29	6 062 000	6.9	4.0	2.6	136	17	88	88	10	89		
30	6 000 000	-	4.0									
31	4 879 000	6.6	4.0	7.1	112	17	85	51	7	86		
Tot.	158 257 600				3000	406	1818/86.3	2067	153	2030/92.3		
Ave.	5,137 000				136	19	86.0	94	7	92.6	4.86	



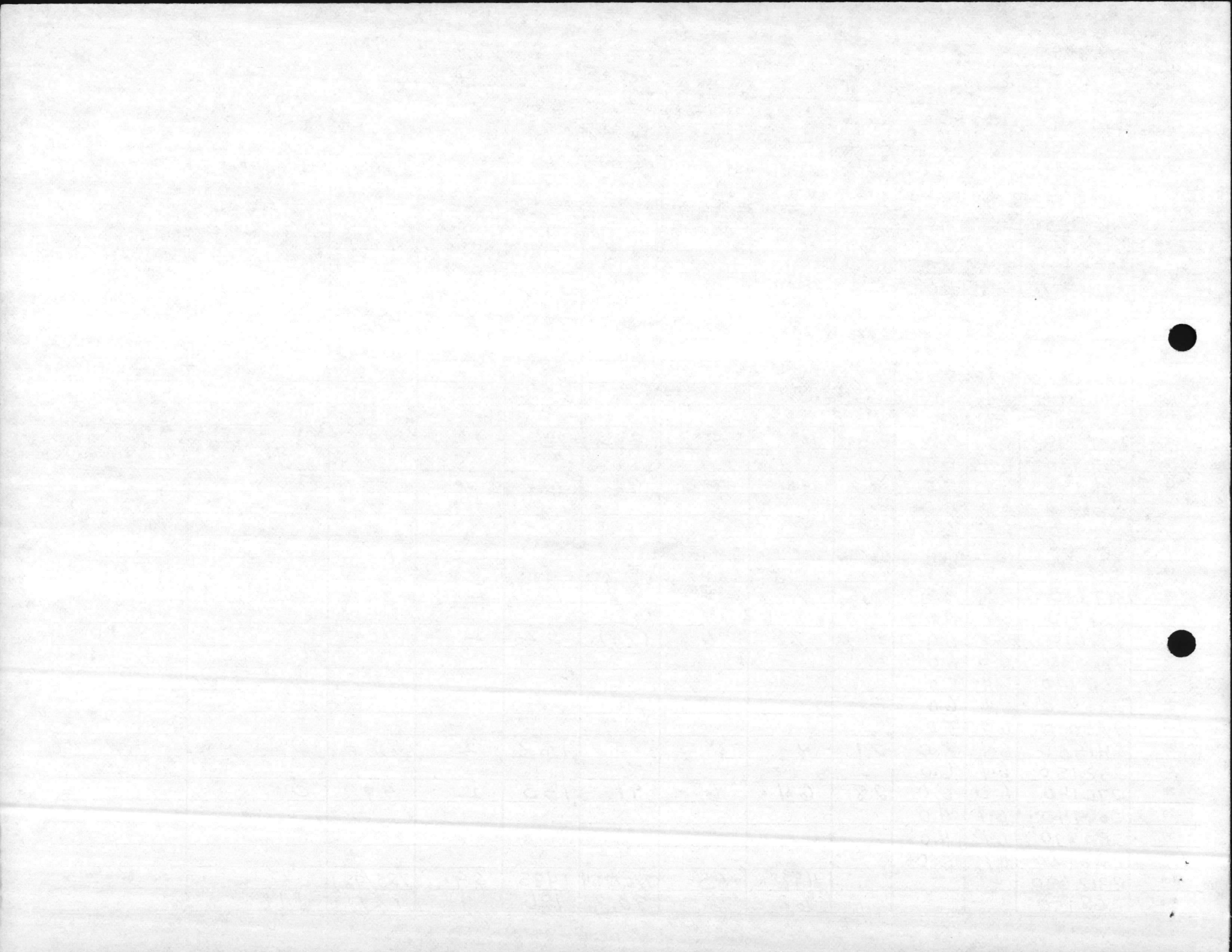
PLANT

RIFLE RANGE

MONTH

MARCH 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	281930	6.4	8.0									
2	275760	6.5	5.0									
3	274360	6.4	6.0									
4	295410	6.4	8.0									
5	273640	6.5	6.0	5.3	120	7	94	338	8	98	2	
6	311590	6.4	8.0									
7	327650	6.4	4.5	4.7	80	6	93	333	6	98	0	
8	159200	6.9	5.0									
9	357750	6.7	3.0									
10	272510	6.8	5.0									
11	285040	6.8	4.0									
12	284440	6.8	0.5	3.5	44	5	89	76	1	99	0	
13	257170	6.4	6.0									
14	266150	6.4	7.0	8.3	52	4	92	197	4	98	0	
15	234900	6.6	5.0									
16	284120	6.4	6.0									
17	236070	6.5	6.0									
18	309870	6.5	7.0									
19	317610	6.5	4.5	0.5	64	5	92	174	4	98	2	
20	266910	6.9	5.0									
21	299610	6.9	6.0		2.8	6	(79)	52	2	96	0	
22	280930	6.5	6.0									
23	264140	6.4	5.0									
24	226450	6.4	6.0									
25	273000	6.3	0.0									
26	241950	6.4	8.0	2.1	40	6	85	162	2	99	0	
27	232150	6.4	6.0									
28	276140	6.3	6.0	2.8	64	6	91	153	2	99	0	
29	209140	6.7	4.0									
30	208970	6.7	4.0									
31	228120	6.7	5.0									
Tot.	8312680				492	45	715/89.4	1485	29	785/98.1		
Ave.	268150				62	6	90.3	186	4	97.9	1.19	



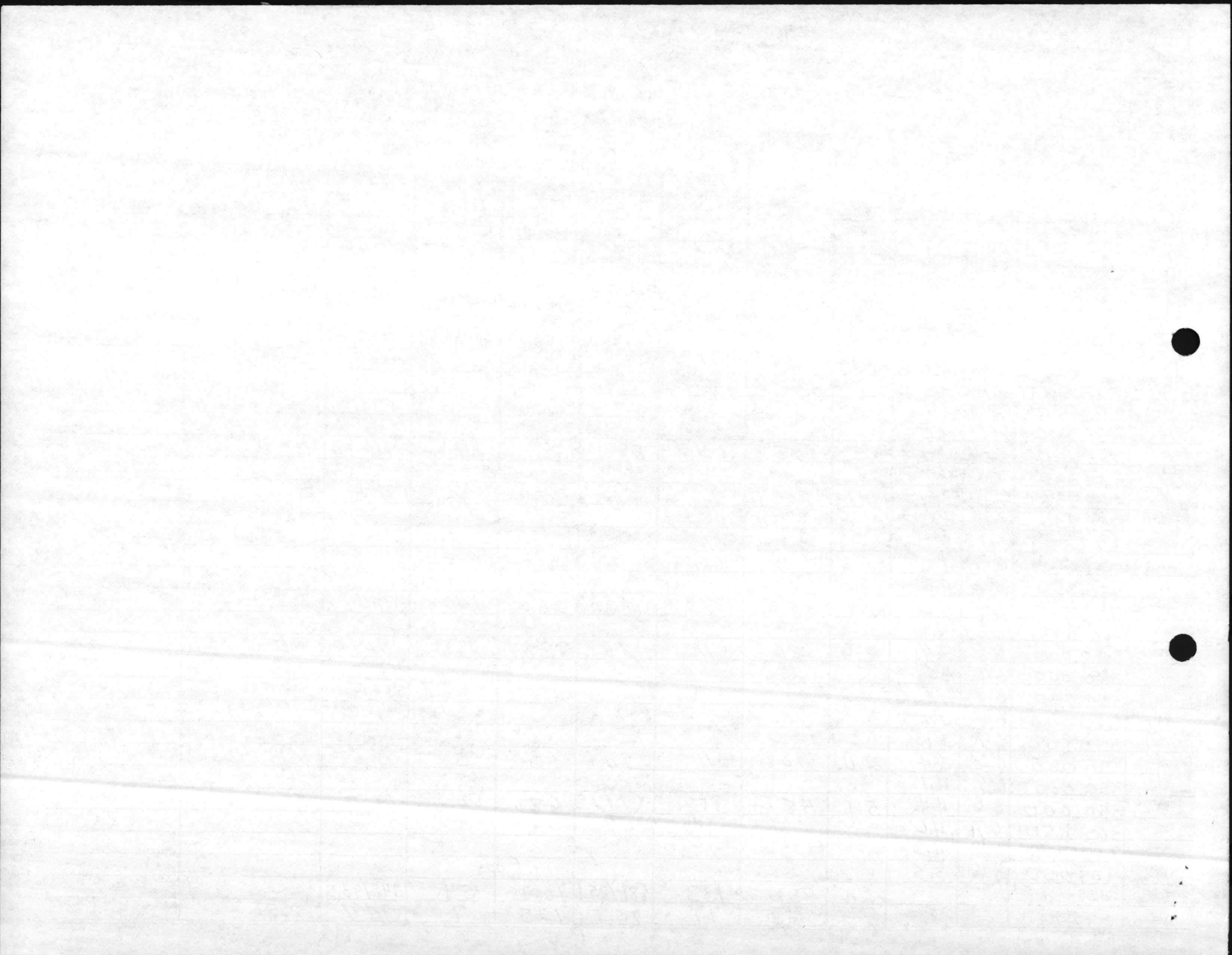
PLANT

COURTHOUSE BAY

MONTH

MARCH 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	362750	6.8	4.2									
2	358650	7.0	4.0									
3	375850	7.2	4.4									
4	392300	6.9	3.9									
5	372740	7.0	4.3	3.0	92	22	76	72	6	92	10	
6	351930	6.5	4.2									
7	363380	6.7	4.4	5.2	148	30	80	79	12	85	0	
8	335800	6.8	4.4									
9	310880	6.9	4.6									
10	348620	6.9	3.9									
11	345300	6.7	4.2									
12	332260	7.0	4.0	3.5	108	13	88	75	4	96	0	
13	316390	6.4	4.2									
14	369130	7.0	3.9	3.0	200	22	89	310	8	97	2	
15	333900	6.7	4.3									
16	377330	6.7	5.2									
17	371940	6.9	4.0									
18	370750	6.9	4.0									
19	417700	6.8	4.3	2.9	155	13	92	250	10	96	2	
20	110300	6.8	4.1									
21	350000	6.8	3.9	2.6	96	11	89	92	9	90	40	
22	350000	6.7	3.5									
23	350000	6.7	2.6									
24	350000	6.8	2.7									
25	350000	6.7	3.6									
26	350000	6.8	3.4	2.0	108	11	90	56	3	95	0	
27	350000	6.9	4.1									
28	350000	6.6	4.4	5.1	48	11	77	68	2	97	0	
29	362850	6.7	4.6									
30	310800	6.6	4.5									
31	434050	6.6	3.5									
Tot.	108316.00				955	133	681/85.1	1002	54	748/93.5		
Ave.	349409				119	17	85.7	125	7	94.4	2.51	



PLANT

ON SLOW BEACH

MONTH

MARCH 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	81000	6.6	4.0									
2	73000	6.8	4.0									
3	96000	6.8	4.0									
4	91000	6.8	3.0									
5	121000	6.8	3.7	3.5	100	19	81	22	2	91	4	
6	82000	6.7	4.5									
7	76000	6.8	4.0	3.5	136	19	86	56	4	93	0	
8	113000	6.8	3.4									
9	73000	6.8	5.0									
10	82000	6.8	5.0									
11	91000	6.8	4.0									
12	92000	6.6	4.0	3.1	212	14	73	46	2	96	0	
13	73000	6.8	4.0									
14	110000	6.8	4.5	3.5	180	16	91	41	7	83	0	
15	123000	6.6	4.0									
16	75000	6.7	4.0									
17	71000	6.8	4.0									
18	71000	6.8	4.0									
19	100000	6.8	4.0	0.9	132	18	86	96	3	92	0	
20	94000	6.6	4.0									
21	83000	6.8	4.0	3.5	100	10	90	70	7	90	4	
22	74000	6.8	4.0									
23	92000	6.8	2.0									
24	88000	6.8	3.5									
25	84000	6.8	4.0									
26	93000	6.8	3.0	1.2	156	10	94	48	1	98	0	
27	126000	6.8	4.0									
28	110000	6.8	4.0	2.2	108	13	88	36	2	94	0	
29	103000	6.8	4.0									
30	101000	7.0	3.6									
31	98000	6.8	3.0									
Tot.	2,840,000				933	119	709/88.6	415	33	737/92.1*		
Ave.	391613				117	15	87.2	52	4	92.3	1.41	



6280/2
NREAD
8 Mar 1985

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

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for February 1985.
2. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and State in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to:
→ QCL, NREAD

Writer: E. Betz, NREAD, 5977
Typist: J. Cross 8Mar85

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PLANT

CAMP GEIGER

MONTH

FEBRUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	1,112,000	6.8	3.0	2.6	120	19	88	98	5	95		
2	1,116,000	6.8	4.0									
3	1,124,000	6.8	4.0									
4	994,000	6.6	4.0									
5	945,000	6.8	4.0	3.6	96	23	76	76	29	62	5	
6	600,000	6.8	4.0	3.0	72	24	67	65	30	54	0	
7	1,139,000	6.4	4.0	4.6	60	9	85	48	10	79	0	
8	1,027,000	6.4	4.0	3.7	112	22	80	39	10	74		BOD 79.3
9	1,104,000	6.8	4.0									
10	909,000	6.9	4.0									
11	716,000	7.0	4.0									
12	954,000	6.8	3.0	3.4	104	26	75	120	26	78	0	
13	812,000	6.6	3.5	3.5	80	29	71	40	26	35	0	TSS 72.5
14	816,000	6.6	4.0	5.8	92	10	89	84	5	94	0	
15	1,041,000	6.8	3.0	5.0	96	42	56	36	5	86		BOD 77.1
16	1,112,000	6.8	4.0									
17	981,000	6.6	4.0									
18	1,130,000	6.6	4.0									
19	945,000	6.8	4.0	5.2	140	19	86	65	4	94	0	
20	840,000	6.6	4.0	4.0	128	18	86	94	9	90	0	
21	809,000	6.8	4.0	3.1	116	17	85	63	9	86	0	
22	900,000	6.8	4.0	3.5	128	22	83	55	6	89		TSS 82.9 BOD 79.6
23	1,006,000	6.7	4.0									
24	1,092,000	6.8	4.0									
25	1,202,000	6.5	4.0									
26	1,070,000	6.8	4.0	4.1	120	10	92	87	3	98	4	
27	988,000	7.0	4.0	3.0	100	15	85	70	6	91	4	TSS 82.6
28	1,126,000	6.8	4.0	3.2	112	7	94	126	3	98	0	
29												
30												
31												
Tot	27,609,000		109.5		1676	306	1298/81.1	1166	196	1303/81.4		

25PI

1952

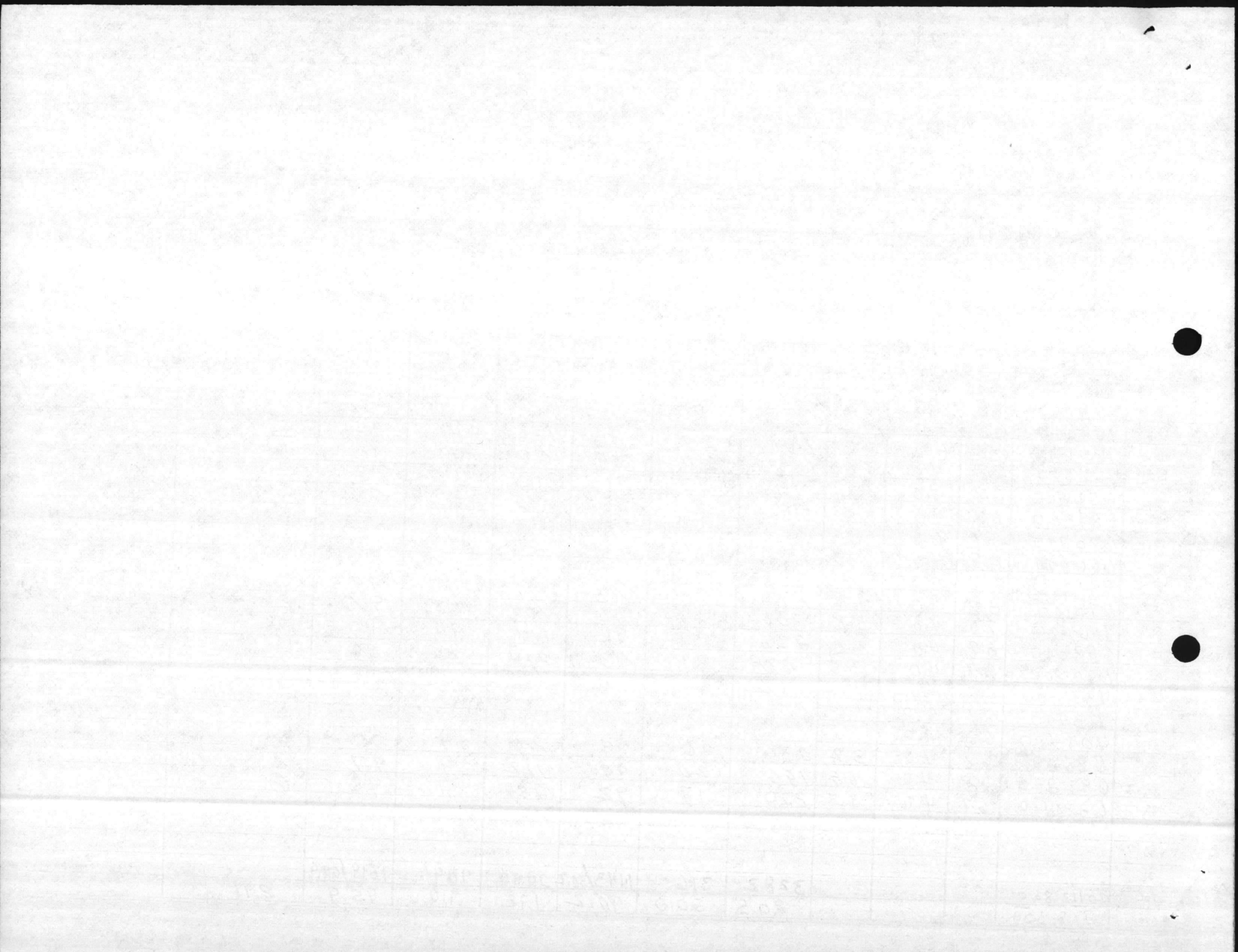
1952

MONTH **FEBRUARY** 1985

PLANT

TARAWA TERRACE

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	759100	6.6	4.5	2.7	204	15	93	188	6	97		
2	809700	6.5	4.5									
3	697200	6.6	4.4									
4	709600	6.7	4.5									
5	827500	6.7	5.0	2.9	200	24	88	222	13	94	10	
6	875900	6.8	4.0	2.6	144	16	89	98	12	88	0	
7	729100	6.9	4.0	3.0	150	13	91	100	10	90	4	
8	708500	6.9	4.0	2.9	146	15	92	110	4	96		
9	766500	6.8	4.0									
10	693000	6.8	5.0									
11	709000	6.8	5.0								2	
12	785500	6.8	4.5	2.2	184	25	86	136	9	93	4	
13	663500	6.8	4.0	3.0	148	20	89	68	7	90	0	
14	655400	6.8	4.0	3.2	196	17	91	313	6	98	0	
15	684500	6.8	4.0	3.0	176	21	88	85	6	93		
16	680200	6.9	6.0									
17	666000	6.8	4.0									
18	714200	6.8	5.0								0	
19	675100	6.8	5.0	3.7	272	24	91	377	4	99	2	
20	746000	7.0	4.0	3.8	200	21	90	102	6	94	0	
21	692000	6.7	4.0	3.0	236	21	91	114	4	97	0	
22	690800	6.7	4.0	3.5	284	21	93	214	2	99		
23	735300	6.8	4.0									
24	713400	6.7	5.0									
25	707400	6.8	4.0								0	
26	688800	6.8	4.0	3.2	236	26	89	214	9	96	2	
27	697200	6.8	4.0	3.5	146	20	90	122	4	97	6	
28	633400	6.7	4.0	3.5	220	17	92	286	7	98		
29												
30												
31												
Tot.	20113800				3282	316	1443/90.2	2749	109	1519/94.9		
Ave.	718350				205	20.0	90.2	172	7.0	95.9	2.11	



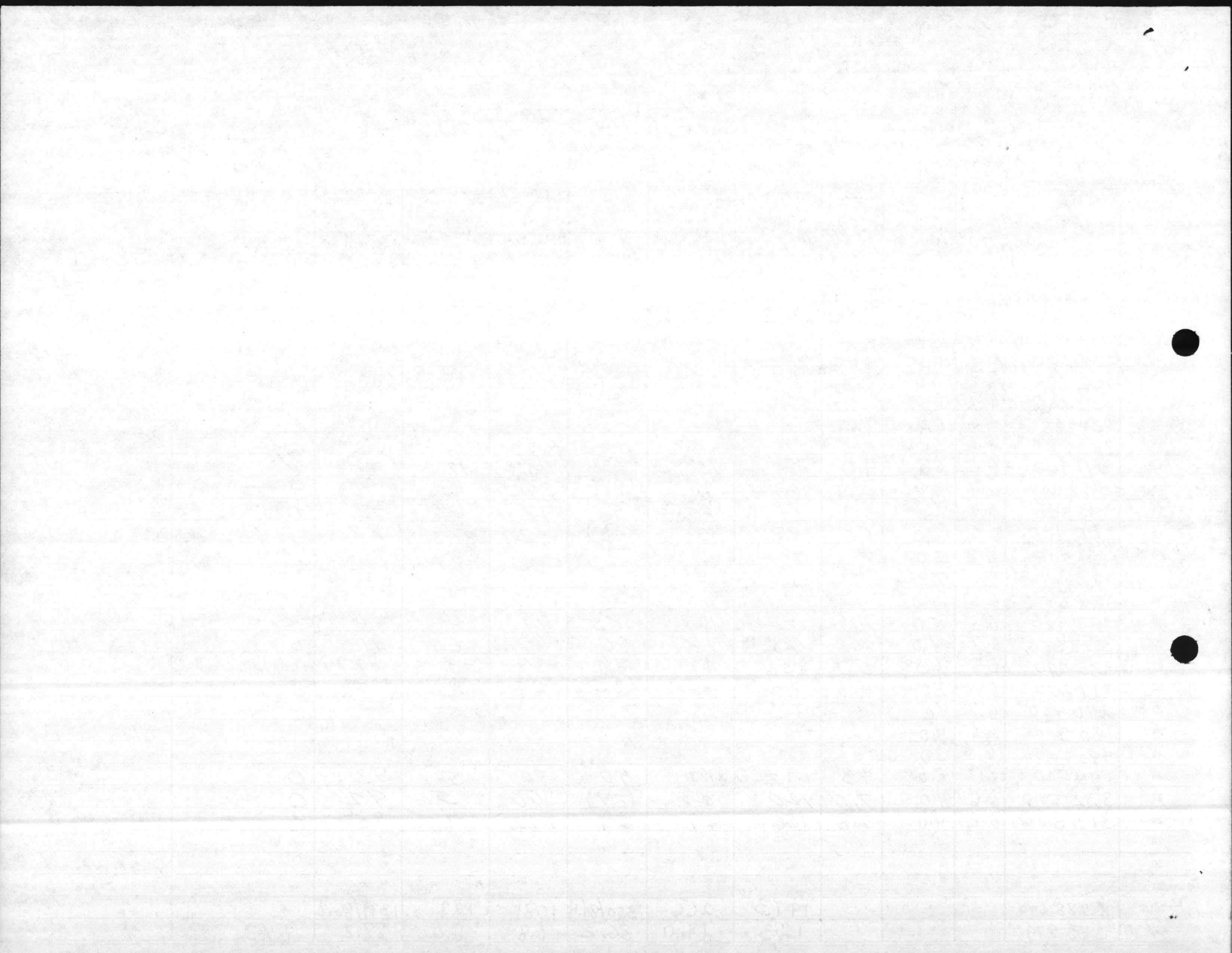
PLANT

CAMP JOHNSON

MONTH

FEBRUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	330800	6.8	6.0	5.7	152	15	90	60	7	88		
2	205000	6.8	3.0									
3	399500	6.5	5.0									
4	331900	6.7	6.0									
5	379600	7.2	5.0	5.3	264	17	94	208	17	92	0	
6	325900	6.5	7.0	3.5	108	18	83	63	18	70	0	
7	342000	6.9	4.0	3.2	48	12	75	47	8	83	0	
8	300800	6.7	5.0	3.5	57	16	72	20	4	80	300	89.3
9	339200	6.7	6.0									
10	321100	6.6	6.0									
11	223800	6.6	5.0									
12	341900	6.5	5.0	4.0	184	15	82	60	18	70	0	
13	338000	6.7	5.0	3.5	88	17	86	34	8	76	0	735 84.3
14	346500	6.7	5.0	5.1	156	15	90	72	6	72	12	
15	326400	6.6	6.0	5.0	88	15	83	52	7	87		
16	294300	6.8	3.0									
17	385400	6.7	5.0									
18	254500	6.6	5.0									
19	327900	6.5	5.0	4.9	112	17	85	69	4	94	0	
20	337300	6.7	4.0	4.1	128	18	86	67	6	91	0	
21	335000	6.8	6.0	5.7	156	17	89	37	3	92	6	
22	317200	6.6	5.0	4.6	84	15	82	24	4	83		
23	270400	6.7	4.0									
24	130900	6.6	4.0									
25	492600	6.6	3.0									
26	144700	6.7	5.0	4.3	172	17	90	70	5	93	0	
27	332500	6.6	4.0	7.0	120	25	79	60	5	92	0	
28	313500	6.6	4.0	7.8	156	17	89	142	7	95	0	
29												
30												
31												
Tot.	8 788 600				1973	266	1350/84.4	1081	127	1379/86.2		
Ave.	313 879				123	17.0	86.2	68	8.0	88.2	1.43	



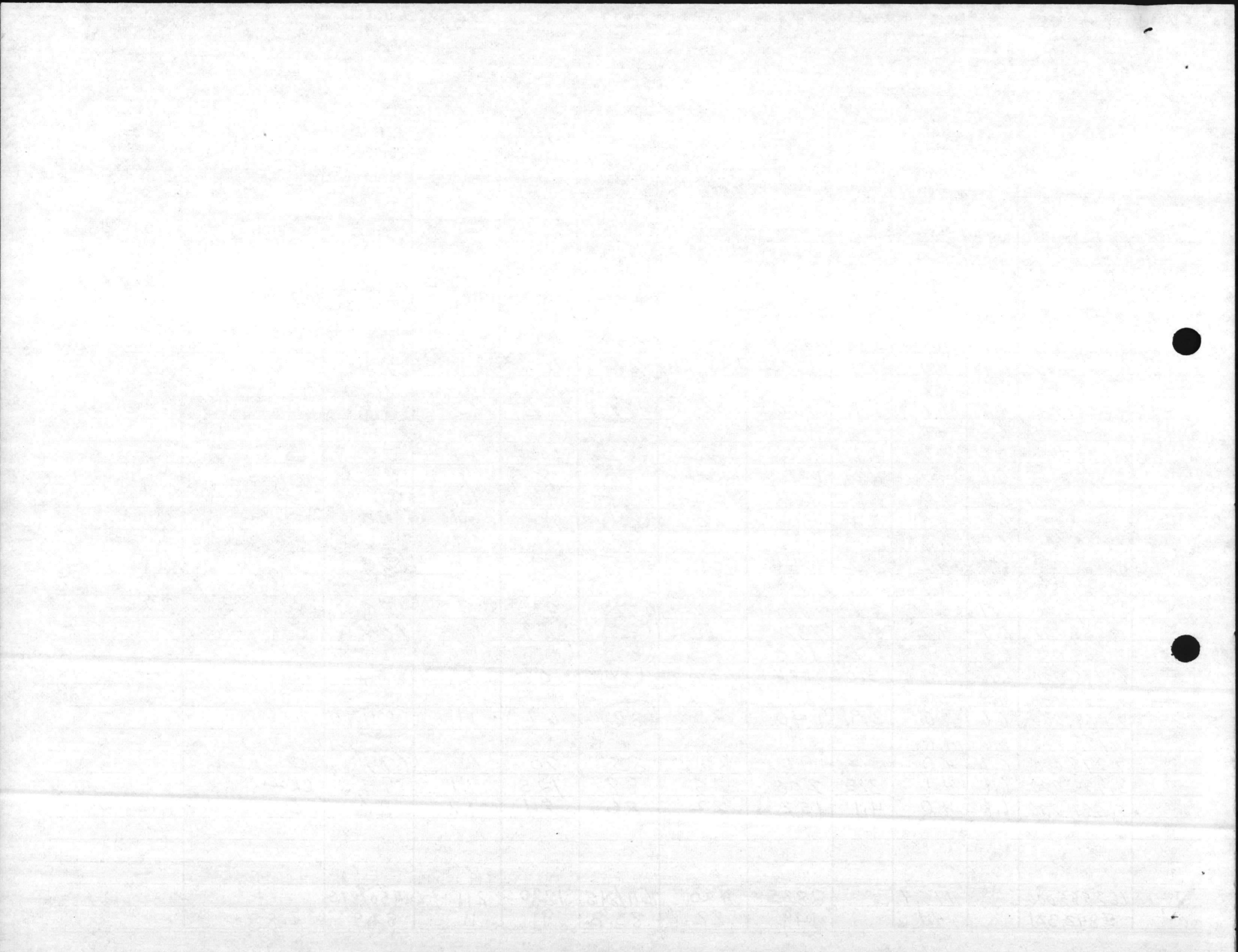
PLANT

HADNOT POINT

MONTH

FEBRUARY 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM		
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/l	LAB mg/l	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	5,250,000	6.6	4.0	3.5	168	20	88	50	8	84		
2	5,358,000	6.6	4.0									
3	4,952,000	6.8	4.0	3.7	144	17	88	76	12	84		
4	4,495,000	6.6	4.2									
5	5,827,000	6.5	4.0	2.7	CL2	0.7	—	156	15	90	0	
6	4,090,000	6.9	4.1	2.9	120	16	87	104	14	87	4	
7	5,723,000	6.8	4.0	3.5	130	17	87	94	8	92	8	
8	5,275,000	6.6	4.0	3.1	173	19	89	107	8	93		
9	5,052,000	6.6	4.2									
10	4,996,000	6.7	4.0	3.7	156	20	87	96	12	88		
11	5,406,000	6.8	4.0									
12	6,174,000	6.6	4.6	4.1	120	22	82	102	10	90	0	
13	5,530,000	6.7	4.5	4.0	172	24	80	80	9	89	10	
14	5,872,000	6.5	4.2	3.7	144	22	85	96	10	90	10	
15	6,045,000	6.6	4.8	4.5	136	22	84	100	11	89		
16	6,068,000	6.4	4.3									
17	6,107,000	6.8	4.2	3.2	144	21	85	46	12	74		
18	5,540,000	6.9	4.0									
19	6,159,000	6.7	4.0	3.8	84	24	77	92	9	80	0	
20	6,989,000	6.9	4.2	4.2	132	23	83	69	11	84	6	
21	7,008,000	6.6	4.0	2.2	160	25	82	98	11	89	6	
22	6,489,000	6.8	4.0	3.0	184	30	84	108	6	94		
23	6,457,000	6.8	4.0									
24	7,968,000	6.6	4.0	3.9	140	25	82	67	11	84		
25	6,755,000	6.6	4.0									
26	7,275,000	6.7	4.0	3.5	176	26	85	70	15	79	0	
27	5,138,000	6.8	4.1	3.5	200	25	88	125	7	97	CL2	
28	5,087,000	6.8	4.0	4.1	152	22	86	84	12	86	0	
29												
30												
31												
Tot.	163,585,000		115.4		2835	420	1611/848	1820	211	1750/875		
Ave.	5,842,321		4.1		149	22	85.2	91	11	87.9	2.88	



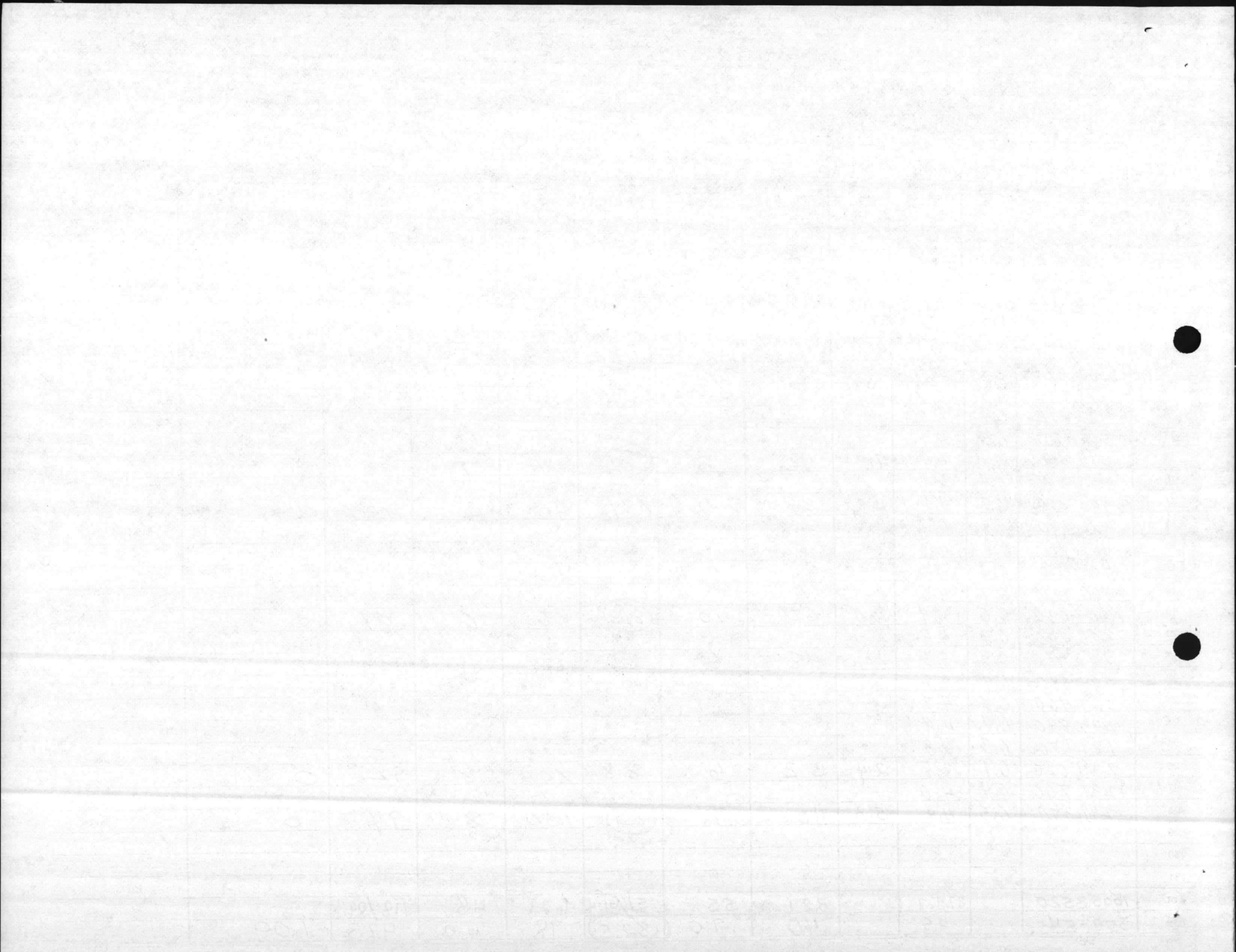
PLANT

RIFLE RANGE

MONTH

FEBRUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	198,600	6.5	4.4									
2	250,000	6.3	4.6									
3	265,000	6.4	4.8									
4	274,000	6.3	4.6									
5	300,000	6.4	4.3	1.3	25	7	72	33	8	76	0	
6	340,000	6.8	4.6									
7	480,720	6.9	3.1	0.7	16	4	75	35	7	80	0	602 71.4
8	462,980	6.4	4.6									
9	482,140	6.5	5.2									
10	477,870	6.4	4.4									
11	516,420	6.3	4.1									
12	514,500	6.1	4.1	4.5	40	8	80	104	7	93	0	755 87.7
13	473,360	6.4	5.1									
14	492,010	6.9	4.1	4.6	36	7	81	40	3	93	0	800 77.6
15	422,490	6.8	4.3									
16	408,310	6.8	4.5									
17	408,100	6.7	4.6									
18	406,020	6.7	4.0									
19	263,630	6.6	4.4	10.0	64	10	84	66	6	91	0	
20	396,700	6.4	4.9									
21	265,460	6.5	5.5	10.0	48	6	88	113	1	99	2	BOD 81.6
22	294,540	6.4	4.9									
23	263,460	6.4	4.7									
24	293,890	6.4	4.4									
25	191,170	6.3	4.3									
26	334,020	6.1	3.8	2.4	52	6	88	100	8	92	0	80 91.1
27	291,760	6.4	4.0									
28	291,370	6.5	4.4	5.3	40	7	83	130	8	94	0	
29												
30												
31												
Tot.	10053520		124.7		321	55	651/81.4	621	48	718/89.6		
Ave.	359054		4.5		40	7.0	82.5	78	6.0	92.3	1.09	



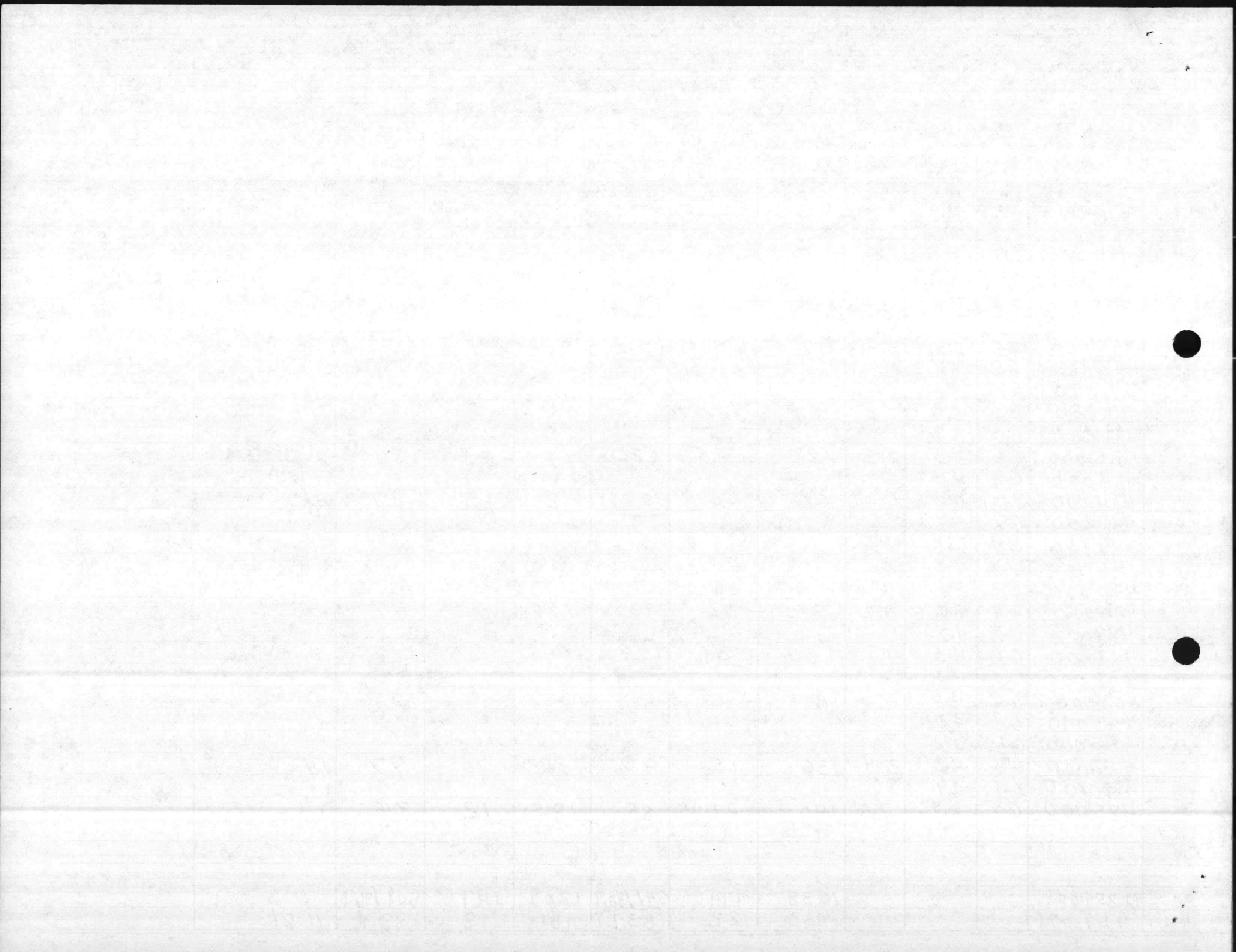
PLANT

COURTHOUSE BAY

MONTH

FEBRUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/l	LAB mg/l	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	468 000	7.0	4.9									
2	428 000	6.8	4.0									
3	471 000	6.7	5.0									
4	433 000	6.8	4.0									
5	531 000	6.8	4.8	5.5	160	25	(84)	49	31	(37)	0	
6	471 000	6.7	5.2									
7	494 000	6.8	5.5	3.6	48	21	(56)	50	41	(18)	8	BOD 77.9
8	445 000	6.6	4.6									
9	431 000	6.8	3.4									
10	462 000	6.8	5.5									
11	491 000	6.2	3.9									
12	505 000	6.6	3.3	2.5	128	25	(80)	168	24	86	22	BOD 64.0
13	464 000	6.8	4.0									
14	404 000	7.0	5.0	6.1	116	20	(83)	118	15	87	20	BOD 79.6
15	441 000	6.8	3.5									
16	447 000	6.4	6.0									
17	413 000	6.2	4.4									
18	440 000	6.3	3.8									
19	480 000	6.4	4.0	3.2	160	16	90	180	6	97	40	
20	489 000	6.6	4.2									
21	457 000	6.6	4.3	4.1	150	31	(79)	114	8	93	8	BOD 81.9
22	438 000	6.7	4.0									
23	403 000	6.8	4.0									
24	453 000	6.7	4.0									
25	455 000	6.8	2.8									
26	475 000	6.7	4.3	3.4	136	15	90	343	10	97	14	BOD 87.0
27	480 000	6.9	2.9									
28	485 000	6.8	4.0	2.5	140	21	85	185	12	94	24	
29												
30												
31												
Tot.	12 854 000				1038	174	647/80.9	1207	147	609/76.1		
Ave.	459 071				130	22	(83.1)	151	18	88.0	11.8	



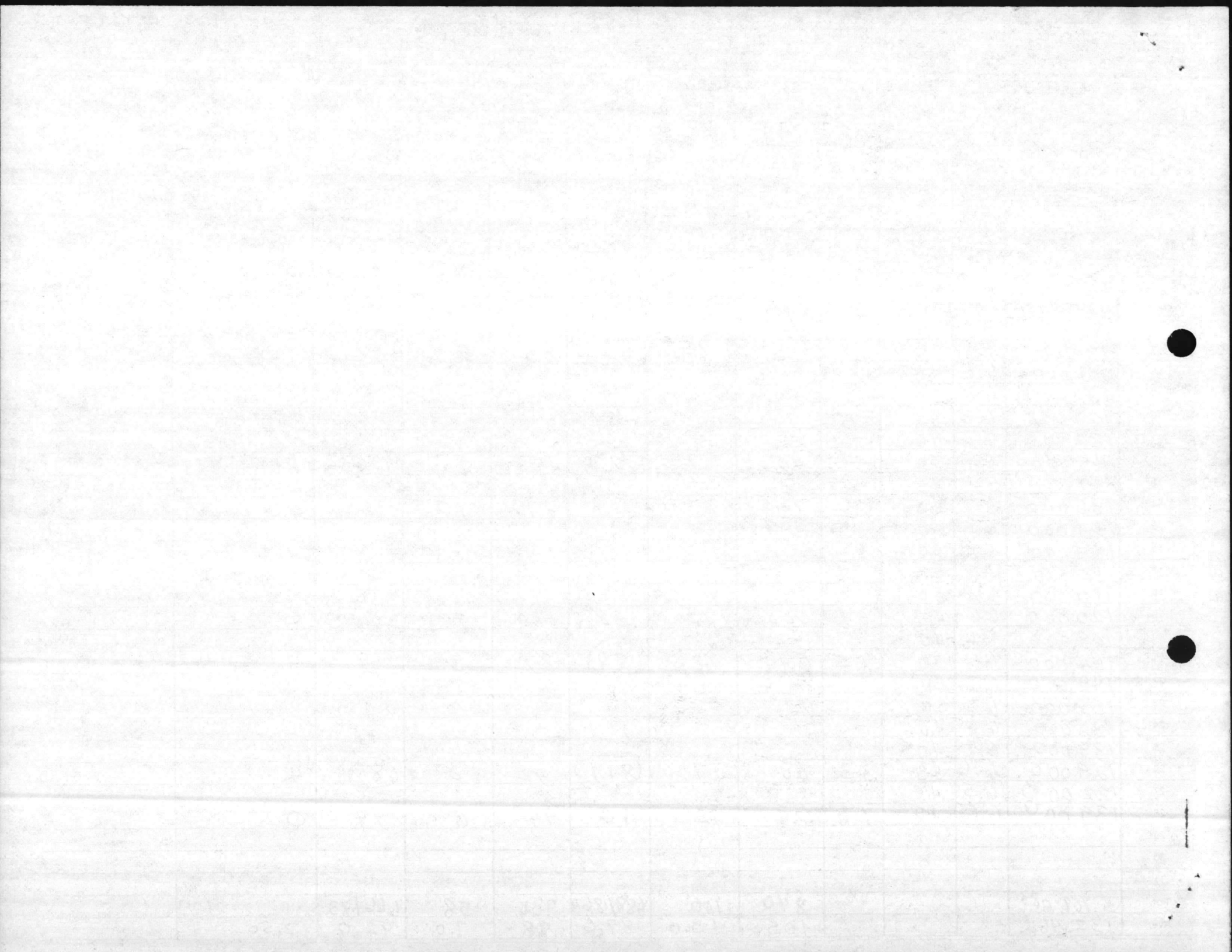
PLANT

ON SLOW BEACH

MONTH

FEBRUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	110 000	7.0	6.0									
2	139 000	7.0	6.0									
3	142 000	6.9	6.0									
4	154 000	6.9	4.0									
5	132 000	6.8	3.6	2.0	128	11	91	103	12	88	2	
6	138 000	7.0	5.0									
7	99 000	7.0	4.5	5.1	136	6	96	35	5	86	0	
8	131 000	6.9	4.0									
9	127 000	6.8	5.0									
10	120 000	6.5	6.0									
11	122 000	6.7	4.0									
12	145 000	6.9	3.0	—	40	11	73	14	9	36	8	
13	159 000	6.8	4.5									
14	136 000	6.7	4.0	1.5	160	17	89	270	10	96	6	
15	134 000	6.8	5.0									
16	144 000	6.9	6.0									
17	112 000	6.8	5.0									
18	110 000	6.8	6.0									
19	120 000	6.6	4.5	3.7	100	12	88	116	5	96	0	
20	129 000	6.6	4.0									
21	144 000	6.6	3.0	1.5	64	13	89	27	3	89	4	
22	149 000	6.7	4.0									
23	152 000	6.7	5.0									
24	132 000	6.6	4.0									
25	139 000	6.7	4.0									
26	129 000	6.6	4.5	3.3	88	17	81	42	8	81	4	
27	122 000	6.5	4.5									
28	139 000	6.6	4.0	1.6	124	13	90	94	6	94	0	
29												
30												
31												
Tot.	3,709,000				840	100	688/860	701	58	666/833		
Ave.	132,464				105	13.0	87.6	88	7.0	92.0	2.50	



6280/2
NREAD
12 Feb 85

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 Rept of Waste Treatment Plant Water Quality

1. It is requested that the enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for January 1985. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to:
OCL, NREAD



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ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED

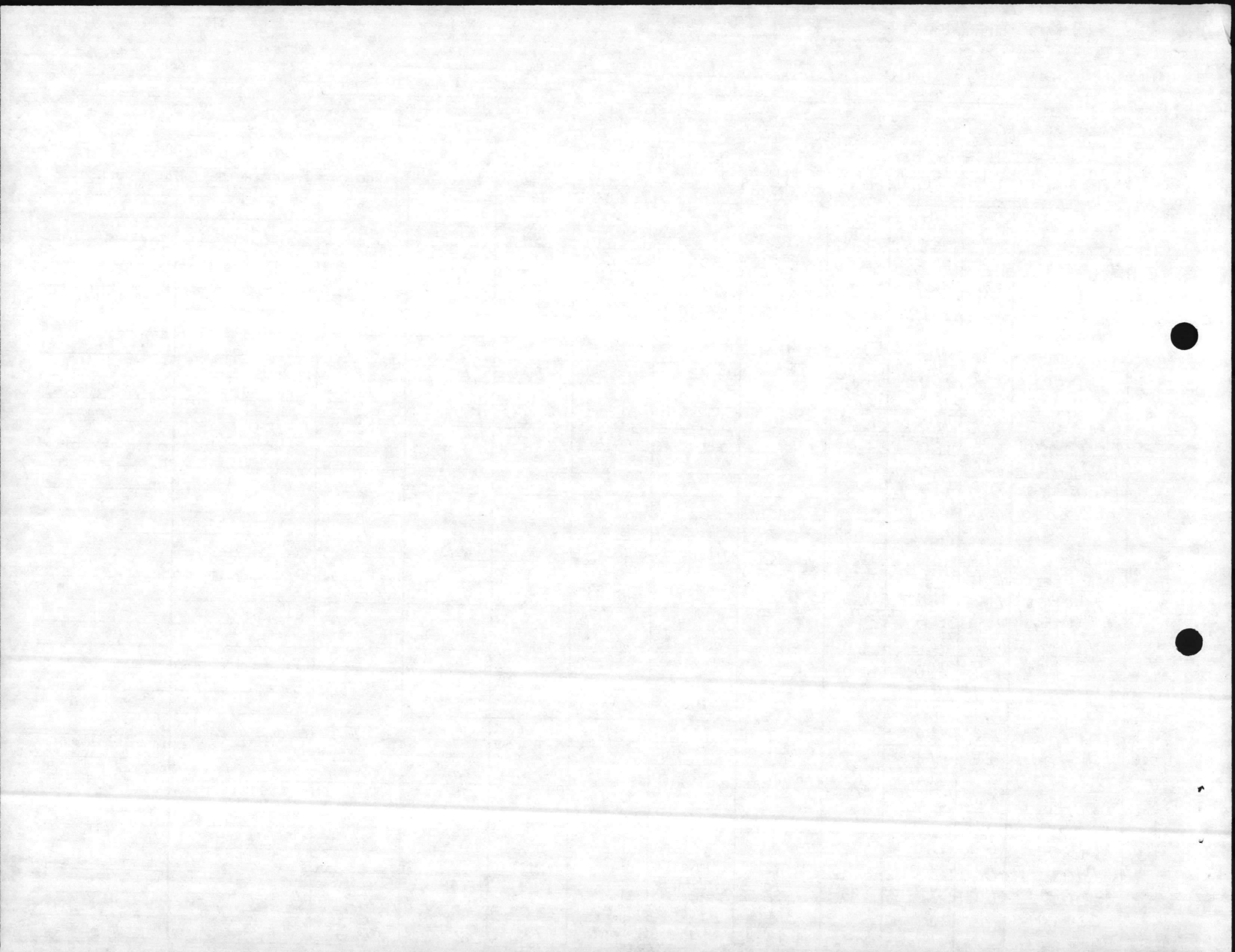


MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT **CAMP GEIGER**

MONTH **JANUARY** 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	795000	6.8	4.0	3.7	116	7	94	70	1	99	0	
2	787000	6.7	3.0	3.9	176	7	96	131	1	99	0	
3	741000	6.6	4.0	1.5	148	7	96	91	3	97	0	
4	824000	7.0	4.0	2.8	100	7	93	92	4	96		
5	793000	6.6	4.0									
6	840000	6.4	4.0									
7	965000	6.6	4.0									
8	1180000	6.8	4.0	2.0	120	10	92	92	10	89	0	
9	1128000	6.8	4.0	3.9	116	8	93	56	3	95	0	
10	1113000	6.4	4.0	2.2	172	12	93	142	6	96	0	
11	1028000	6.8	3.0	3.1	140	37	(74)	197	13	93		
12	1021000	6.7	3.0									
13	1088000	6.8	4.0									
14	1027000	6.8	4.0									
15	1118000	6.8	4.0	4.4	108	12	89	67	6	91	0	
16	1214000	6.8	4.0	3.0	108	16	85	82	10	88	0	
17	1130000	6.6	3.5	4.5	160	11	93	96	9	91	0	
18	1060000	6.8	4.0	4.0	152	11	93	96	5	95		
19	535000	6.8	4.0									
20	1809000	6.8	4.0									
21	903000	6.7	4.0									
22	1112000	6.8	4.0	3.2	160	15	91	108	16	89	0	
23	996000	6.8	4.0	4.7	128	12	91	98	14	86	0	
24	1019000	6.8	4.0	3.8	124	16	85	64	10	(84)	0	
25	1257000	6.8	4.0	4.7	100	8	92	83	6	93		
26	1067000	6.6	4.0									
27	1074000	6.6	4.0									
28	1216000	6.6	4.0									
29	1195000	6.8	4.0	4.5	100	11	89	65	6	91	0	
30	1140000	6.6	4.0	4.5	136	11	92	130	7	95	0	
31	1096000	6.8	4.0	3.0	128	12	91	106	6	94	6	
Tot.	32271000				2512	230	1722/90.6	1866	136	1757/92.5		
Ave.	1041000				132	12.0	90.9	98	7.0	92.9	1.13	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

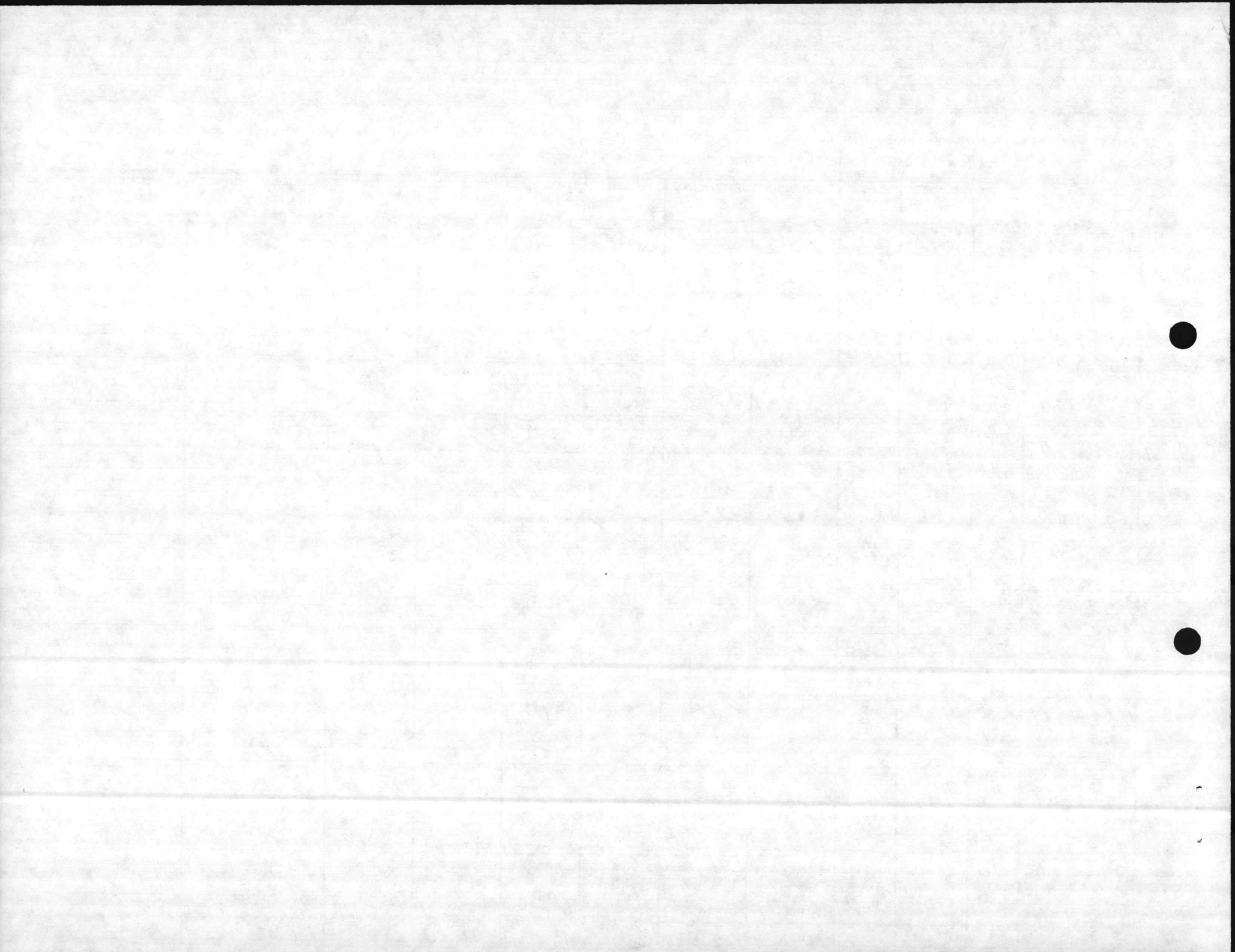
PLANT

TARAWA TERRACE

MONTH

JANUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	595600	6.6	6.0	3.5	228	24	89	112	8	93	4	
2	668600	6.6	5.0	3.2	220	18	92	103	8	92	0	
3	746500	6.4	5.0	2.8	224	18	92	142	9	94	0	
4	623600	6.4	5.0	3.0	180	13	93	144	8	94		
5	707000	6.7	5.0									
6	678900	6.4	6.0									
7	689500	6.5	5.0									
8	638900	6.7	6.0	2.4	248	25	90	348	11	97	0	
9	666500	6.8	4.0	3.5	300	20	93	112	8	93	0	
10	713500	6.5	5.0	2.4	196	18	91	146	12	92	0	
11	687300	6.6	5.0	3.0	200	18	91	190	14	93		
12	686900	6.6	5.0									
13	689500	6.6	5.0									
14	833000	6.5	5.0									
15	620500	6.5	5.0	3.2	156	33	79	76	12	84	0	
16	611500	6.7	4.0	4.5	208	23	89	115	9	92	4	
17	732100	7.0	4.0	2.7	200	21	90	134	9	93	2	
18	649000	6.6	4.0	3.7	192	21	89	103	9	91		
19	749000	6.6	8.0									
20	699100	6.6	5.0									
21	841000	6.8	5.0									
22	837000	6.6	4.0	2.5	220	23	90	382	9	98	0	
23	756500	6.6	4.0	3.3	156	20	87	190	9	95	0	
24	747300	6.7	4.0	3.5	148	14	91	110	6	95	2	
25	745900	6.6	3.0	3.0	145	10	93	130	10	92		
26	815300	6.7	4.0									
27	824200	6.6	4.0									
28	775900	6.7	5.0									
29	698400	6.6	3.0	3.8	164	20	88	40	16	87	0	
30	690300	6.6	4.0	4.0	172	19	89	103	8	92	0	
31	812900	6.6	4.0	2.7	176	13	93	188	7	96	0	
Tot.	22276200				3733	371	1709/89.9	2922	182	1759/92.5		
Ave.	718587				197	20	89.8	154	10.0	93.5	1.32	

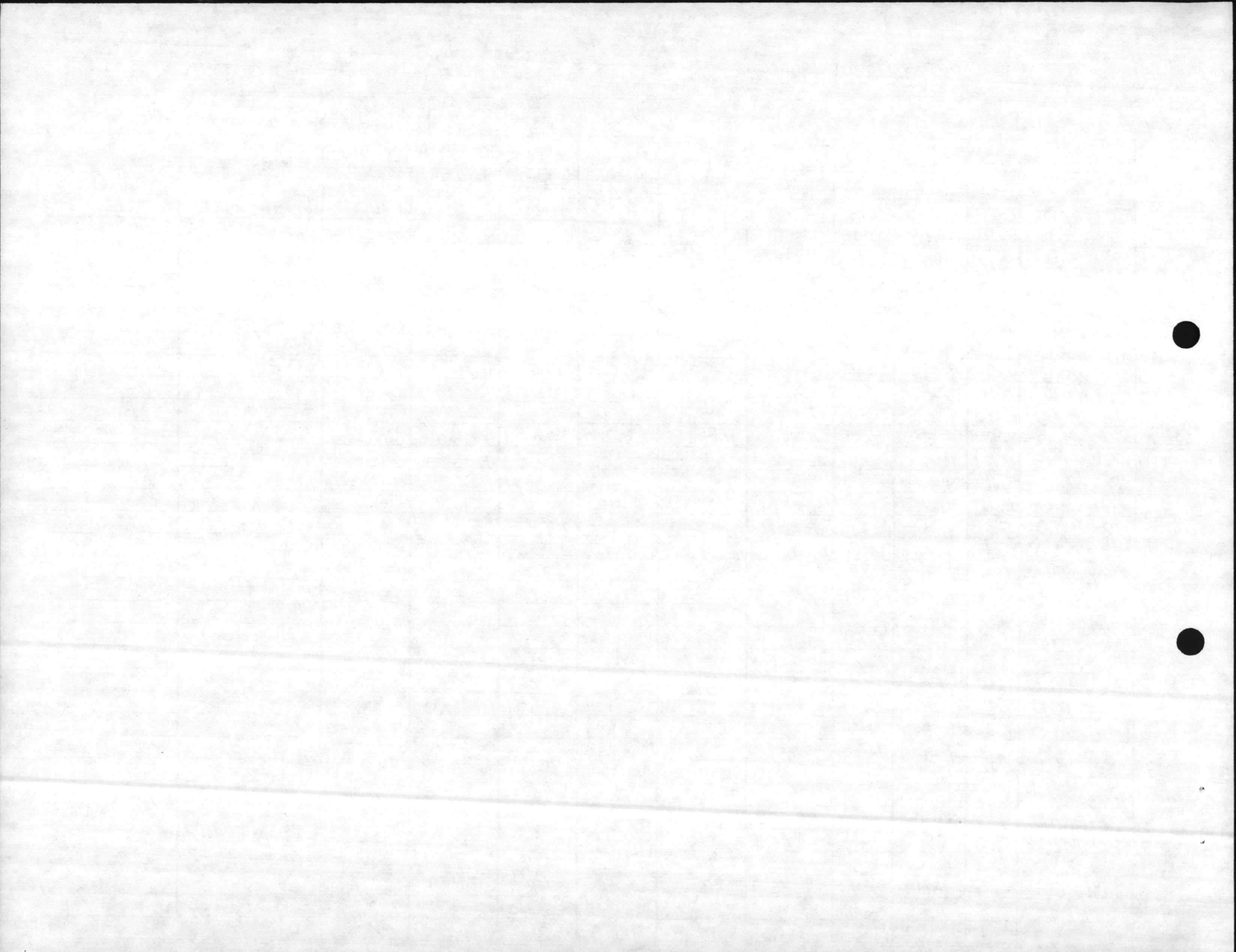


MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT
 CAMP JOHNSON

MONTH
 JANUARY 1985

DATE	PLANT EFFLUENT DATA			5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1 LAB mg/1	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	501 000	6.7	6.0 6.4	160	8	95	94	2	98	4	
2	394 000	6.8	6.0 6.0	88	15	(83)	34	9	(74)	0	
3	355 000	7.2	3.0 5.5	168	13	92	78	3	96	0	
4	423 000	6.6	4.0 14.5	276	13	95	108	4	96		
5	450 000	6.6	4.0								
6	399 000	6.6	5.0								
7	427 000	6.6	4.0								
8	421 000	6.7	6.0 6.5	108	15	86	75	10	87	2	
9	411 000	6.6	6.0 7.9	96	12	88	26	3	88	0	
10	420 000	6.7	6.0 7.8	124	14	89	29	6	(79)	0	
11	417 000	6.8	6.0 4.5	228	16	93	110	9	92		
12	415 000	6.6	6.0								
13	417 000	6.7	5.0								
14	364 000	6.6	5.0								
15	481 000	6.8	7.0 8.7	136	13	90	138	2	99	0	
16	482 000	6.8	8.0 6.5	192	22	89	58	5	91	0	
17	369 000	6.6	6.0 4.5	320	14	96	222	11	95	0	
18	420 000	7.0	6.0 6.2	200	15	93	126	6	95		
19	408 000	6.7	4.0								
20	444 000	6.6	4.0								
21	412 000	6.7	6.0								
22	436 000	6.8	6.0 4.5	156	19	88	100	4	91	0	
23	437 000	6.2	6.0 5.7	116	18	85	66	9	86	0	
24	434 000	6.8	6.0 6.5	88	12	86	49	7	86	0	
25	425 000	6.7	4.0 11.5	40	6	85	55	8	85		
26	413 000	6.6	4.0								
27	375 000	6.6	4.0								
28	324 000	6.6	4.0								
29	424 000	7.0	8.0 6.5	116	19	(84)	126	12	90	0	
30	336 000	6.7	6.0 7.5	112	11	90	64	8	88	0	
31	317 000	6.8	6.0 3.4	92	16	(83)	72	14	(81)	0	
Tot.	12 751 000			2816	271	1690/88.9	1630	137	1697/89.3		
Ave.	411 323			148	14.0	90.5	86	7.0	91.9	1.15	



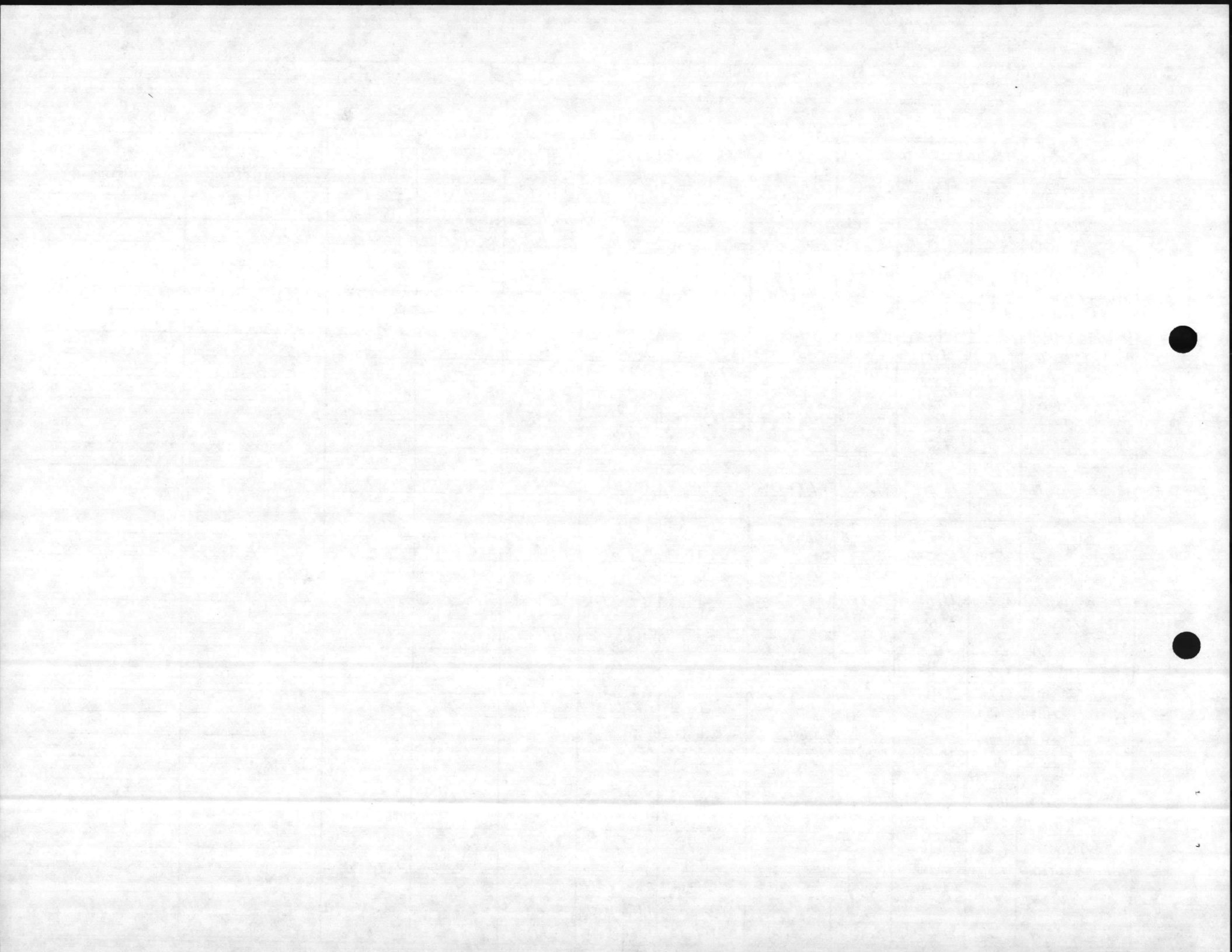
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT **HADNOT POINT**

MONTH **JANUARY 1985**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	3651000	6.8	4.0	3.7	120	20	83	64	8	88	4000	
2	4514000	6.8	4.0	3.1	152	17	89	91	9	90	10	
3	4749000	7.0	4.0	3.2	188	18	90	87	6	93	0	
4	4374000	6.6	3.9	3.8	172	15	91	166	6	96		
5	4110000	7.1	4.0									
6	4239000	6.9	4.1	4.0	36	10	72	81	11	86		
7	4775000	6.5	4.0									
8	4705000	6.8	4.0	4.2	124	16	87	86	12	86	2	
9	4773000	7.1	4.0	3.5	116	18	85	74	6	92	4	
10	5111000	6.9	4.0	3.8	140	16	89	75	8	89	0	
11	4679000	6.9	4.7	5.5	144	18	88	80	11	86		
12	4396000	7.0	4.0									
13	4542000	6.9	4.0	4.2	116	18	84	114	12	90		
14	4904000	6.9	4.0									
15	4430000	6.8	4.0	4.2	124	20	84	80	9	89	2	
16	4510000	7.0	3.5	4.0	152	21	86	106	6	94	0	
17	5034000	7.0	4.3	3.0	188	22	88	90	10	89	30	
18	4949000	6.6	4.0	3.0	160	26	84	66	11	83		
19	4426000	6.6	4.8									
20	4410000	7.0	5.3	2.7	140	19	86	24	1	96		
21	4130000	6.8	4.5									
22	4495000	6.6	4.0	3.4	160	30	81	96	12	88	130	
23	4765000	7.0	3.2	3.4	148	21	86	74	8	85	2	
24	4917000	6.8	4.5	2.7	160	21	87	100	7	93	2	
25	4804000	7.0	4.5	4.3	108	17	84	128	14	89		
26	4232000	6.6	3.7									
27	4317000	6.8	3.7	4.0	144	18	88	97	10	90		
28	4661000	6.6	4.0									
29	4874000	6.6	3.0	2.5	184	19	90	119	15	87	12	
30	4605000	6.9	4.7	5.2	160	20	88	79	8	90	8	
31	5225000	6.7	4.0	3.7	152	22	86	87	8	91	6	
Tot.	142306000				3288	442	1976/85.9	2064	208	2060/89.6		
Ave.	4590516				143	19.0	86.7	90	9.0	90.0	7.09	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

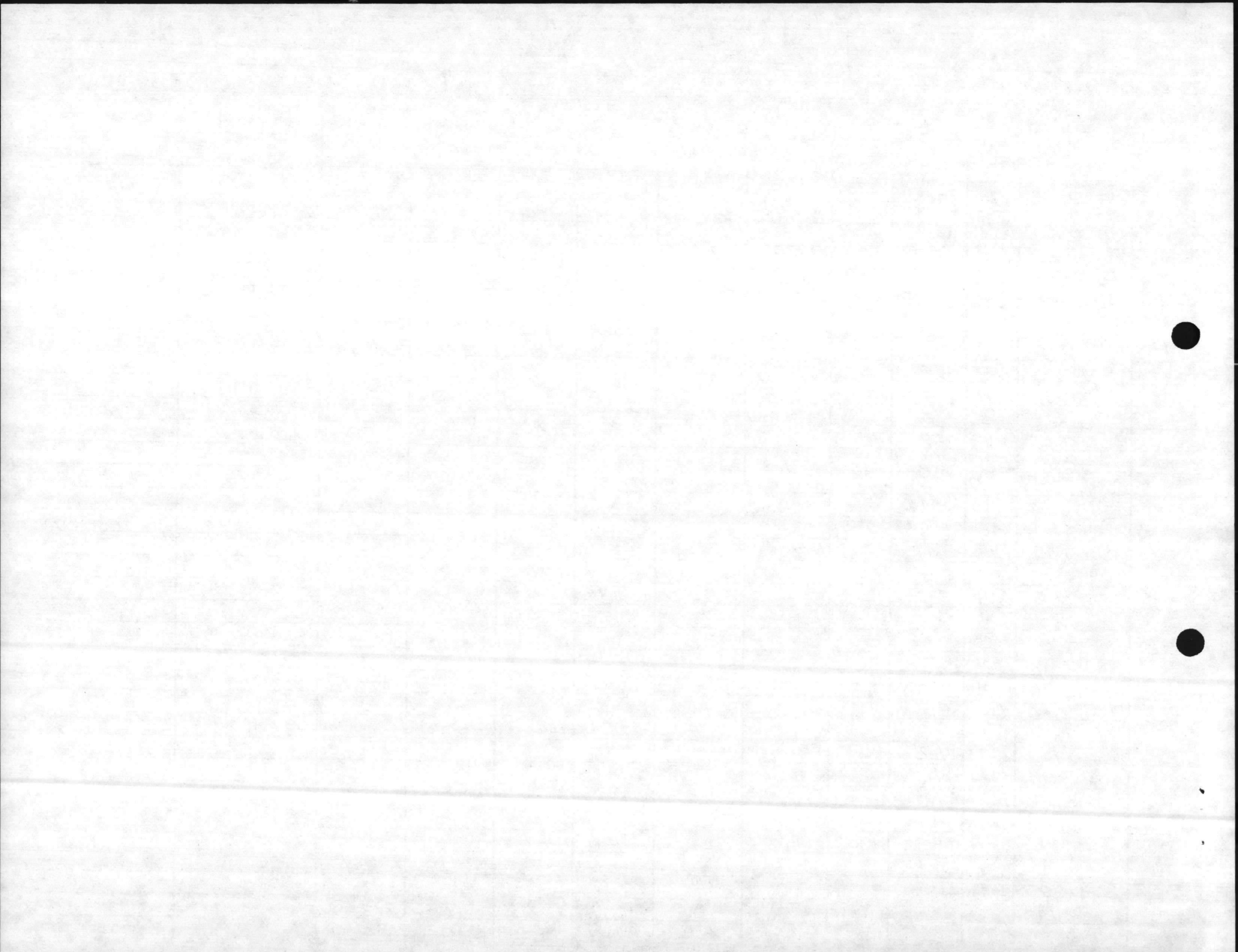
PLANT

RIFLE RANGE

MONTH

JANUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	123430	6.2	9.3	4.5	24	4	83	92	8	91	0	
2	82060	6.5	4.8									
3	121180	6.3	4.1	8.9	40	5	88	280	3	99	8	
4	33930	6.9	6.0									
5	169980	6.8	5.2									
6	210920	6.9	3.8									
7	215670	6.5	6.0									
8	180020	6.5	3.9	3.2	28	6	79	272	7	97	0	Ave 83.9%
9	199010	6.4	6.1									
10	188880	6.3	5.0	2.0	36	7	81	16	3	81	0	Ave 82.8
11	200786	6.5	4.8									
12	203030	6.4	4.6									
13	214990	6.3	4.9									
14	253960	6.3	5.1									
15	217710	6.5	5.9	2.8	16	5	69	15	1	93	0	Ave 82.8
16	218780	6.9	5.1									
17	189620	6.3	5.4	6.5	52	6	88	186	12	94	0	
18	187850	6.5	3.7									
19	139530	6.3	5.8									
20	193610	6.5	5.1									
21	211230	6.4	4.6									
22	234800	6.4	4.3	1.6	40	8	80	115	4	97	0	
23	220520	6.4	4.9									
24	215480	6.1	4.8	3.6	28	6	79	78	3	96	0	
25	306430	6.7	4.2									
26	279360	6.8	3.6									
27	259930	6.7	4.0									
28	239770	6.7	3.9									
29	225380	6.3	4.5	1.5	60	9	85	91	5	94	0	
30	283790	6.3	4.1									
31	211110	6.5	4.6	3.2	20	4	80	50	2	96	0	
Tot.	6232740				344	60	81.2/81.2	1185	47	93.8/93.8		
Ave.	201056				34	6.0	82.4	119	5.0	95.8	1.23	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

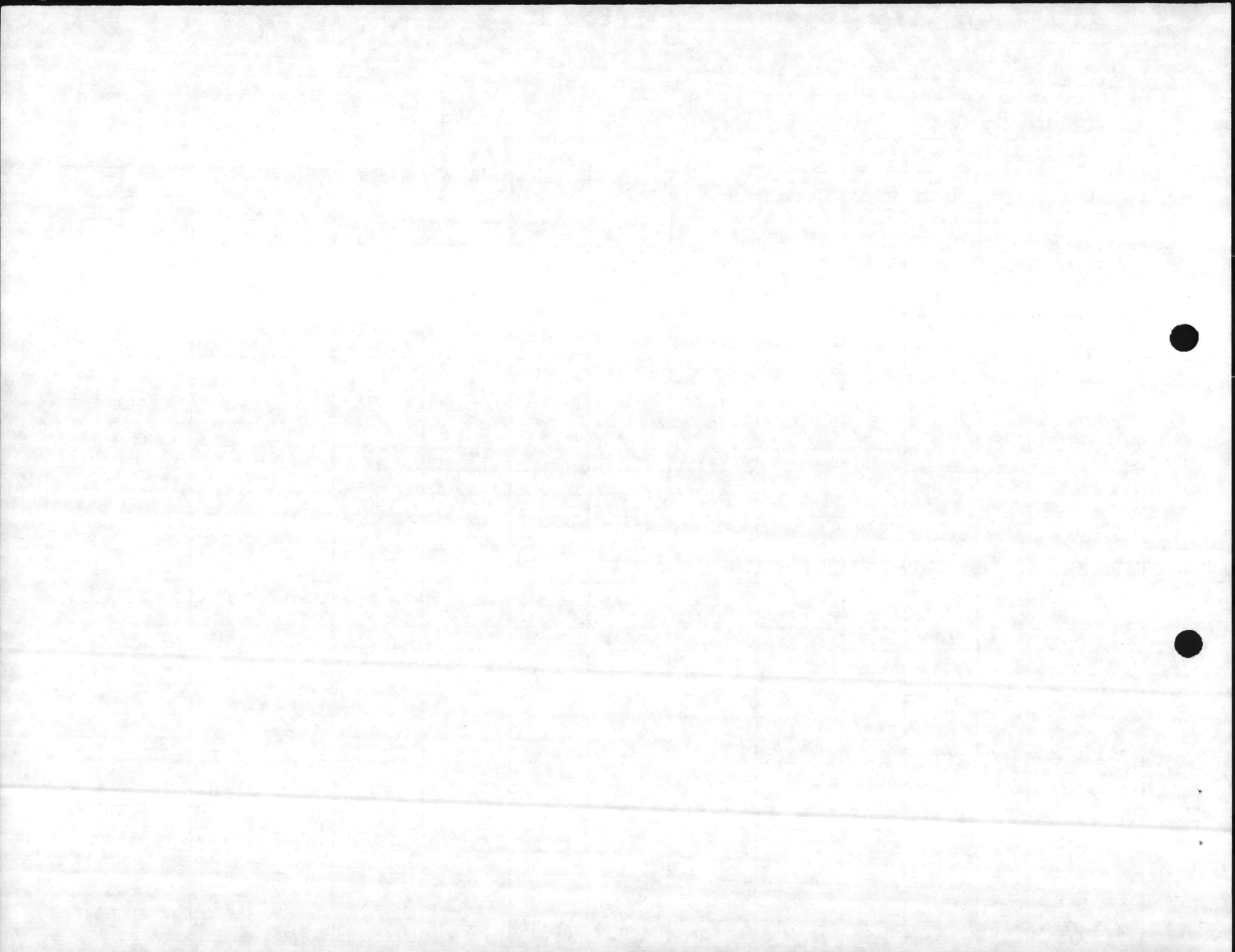
PLANT

COURTHOUSE BAY

MONTH

JANUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	343 000	6.3	3.6	2.3	80	12	85	50	12	(76)	6000	
2	379 000	6.7	4.0									
3	415 000	6.8	4.4	3.8	212	18	92	47	10	(77)	0	
4	448 000	6.6	4.9									
5	376 000	—	—									
	370 000	6.4	4.4									
	475 000	6.6	3.9									
8	547 000	6.6	3.8	1.5	108	9	92	228	19	92	12	
9	428 000	6.6	3.9									
10	490 000	6.6	3.9	3.5	144	19	94	73	9	88	0	
11	441 000	6.8	4.0									
12	429 000	6.7	4.3									
13	401 000	6.8	3.8									
14	456 000	6.7	3.6									
15	479 000	6.7	4.3	3.8	170	9	95	1274	5	99	0	
16	520 000	6.6	3.1									
17	510 000	6.6	2.6	2.2	284	37	87	118	18	85	2	
18	443 000	6.7	4.0									
19	436 000	6.7	4.0									
	510 000	6.7	4.4									
21	487 000	6.5	3.9									
22	475 000	6.6	4.1	2.6	180	27	85	166	24	86	60	
23	477 000	6.7	4.6									
24	504 000	6.8	4.0	2.2	140	20	86	53	19	(64)	24	
25	468 000	6.7	4.1									
26	449 000	6.6	4.1									
27	456 000	6.2	4.6									
28	509 000	6.7	3.8									
29	427 000	6.6	5.0	1.8	320	45	86	158	96	(76)	100	
30	420 000	6.8	5.0									
31	559 000	6.7	3.0	1.2	156	20	87	238	18	92	330	
Tot.	14,127 000				1794	216	88.9	2405	172	837/83.7		
Ave.	455709				179	22	87.7	241	17.0	92.9	19.2	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

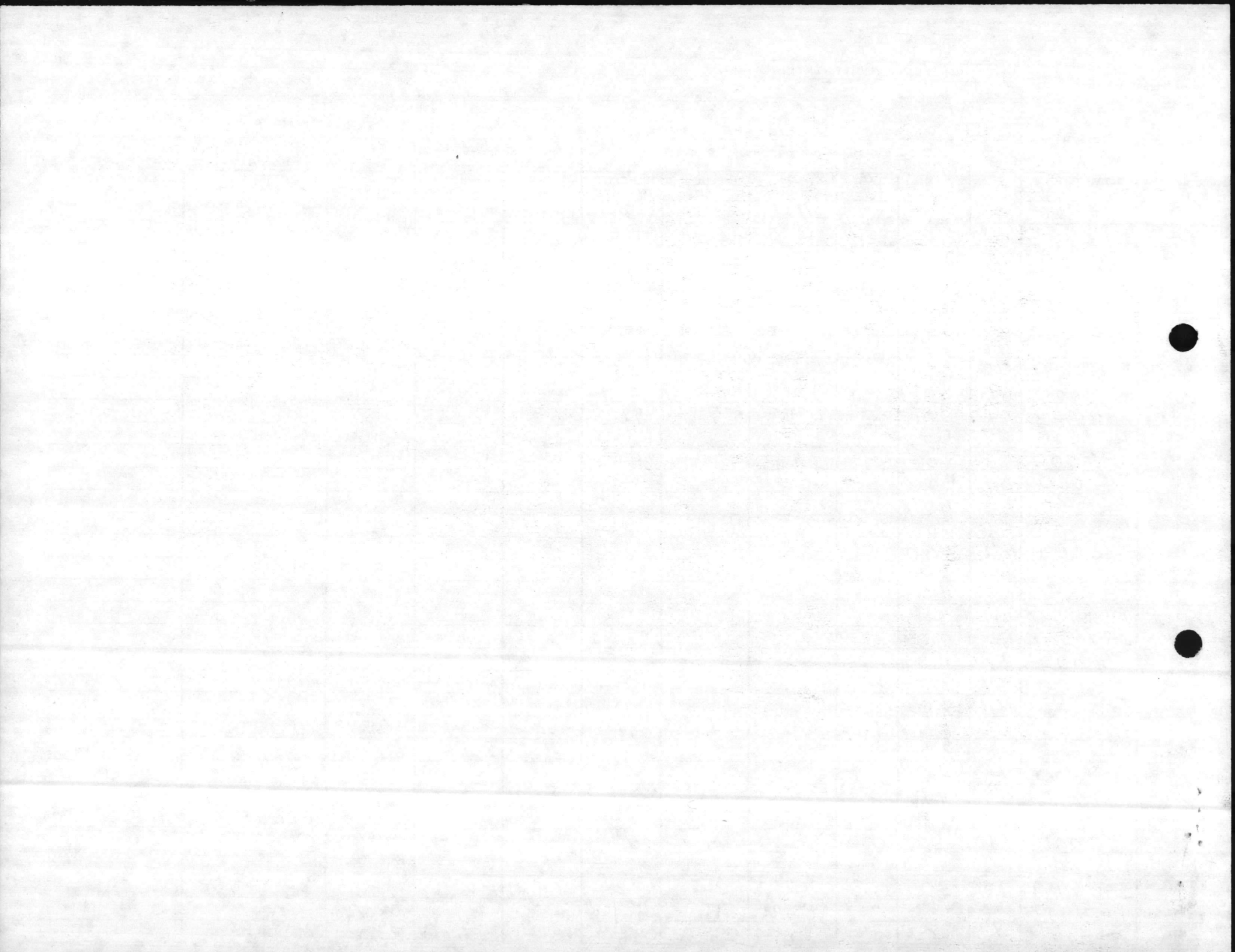
PLANT

ON SLOW BEACH

MONTH

JANUARY 1985

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	125000	6.6	6.0	5.7	441	8	83	11	6	46	0	
2	140000	6.6	8.0									
3	160000	6.6	8.0	5.5	96	7	93	57	2	96	0	
4	120000	6.7	3.0									
5	110000	6.6	5.0									
6	130000	6.6	8.0									
7	135000	6.6	4.5									
8	132000	6.6	1.2	0.8	64	7	89	23	6	74	0	
9	134000	6.6	3.0									
10	132000	6.6	2.0	0.8	196	7	96	63	3	95	0	
11	134000	6.7	6.0									
12	139000	6.8	8.0									
13	141000	6.7	4.0									
14	140000	6.9	6.0									
15	145000	6.6	6.0	2.7	76	6	92	34	1	97	20	
16	130000	6.7	6.0									
17	121000	6.7	3.0	2.2	128	9	93	82	6	93	2	
18	122000	6.8	4.0									
19	126000	6.7	5.0									
20	137000	6.6	5.0									
21	134000	7.2	4.0									
22	133000	6.8	3.0	3.2	88	8	91	65	4	14	0	
23	125000	6.7	8.0									
24	110000	6.8	6.0	4.0	80	7	91	104	3	97	8	
25	104000	7.0	3.0									
26	130000	7.0	4.0									
27	139000	6.9	2.0									
28	137000	6.8	2.0									
29	145000	6.6	4.0	1.2	164	11	93	120	4	97	0	
30	140000	6.8	3.0									
31	136000	7.0	3.0	0.5	72	6	92	85	6	93	2	
Tot.	4086000				1008	76	912/91.2	650	41	882/88.2		
Ave.	131806				101	8.0	92.1	65	4.0	93.8	1.91	



6280/2
NREAD
9 Jan 85

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 enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data for all sewage treatment plants for November and December 1984. The data/information except chlorine residuals shown under the "LAB" column are submitted to the EPA and state in accordance with the NPDES permit.

J. I. WOOTEN

Blind copy to
GCL, NREAD

Blind copy to
@cc, nrcad

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP GEIGER

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/l	LAB mg/l								
1	994 000	6.8	4.0	2.5	115	6	95	110	6	95	0	
2	852 000	7.0	4.0	2.9	120	9	93	70	4	94		
3	1000 000	6.9	4.0									
4	795 000	6.6	4.0									
5	981 000	6.7	6.0									
6	1040 000	7.0	3.0	3.5	104	6	94	55	3	95	0	
7	1116 000	6.8	4.0	3.7	112	9	96	76	2	97	0	
8	844 000	7.0	2.0	3.2	124	9	93	124	4	97	0	
9	1032 000	6.6	4.0	3.7	148	10	93	44	5	89		
10	1135 000	6.8	5.0									
11	972 000	6.6	3.0									
12	1090 000	6.8	3.0									
13	1079 000	6.8	4.0	3.8	108	8	93	79	10	86	0	
14	1016 000	6.8	4.0	5.5	172	12	91	126	6	95	0	
15	991 000	6.8	5.0	4.3	136	5	96	76	5	93	0	
16	1092 000	6.7	3.0	3.6	148	9	94	26	5	(81)		
17	1013 000	6.8	3.0									
18	946 000	6.8	3.0									
19	869 000	7.0	4.0									
20	1053 000	7.0	5.0	6.7	112	10	91	43	10	(77)	0	
21	1143 000	6.9	3.0	5.2	120	12	90	52	10	(81)	0	
22	982 000	6.8	4.0	2.6	96	6	94	50	3	94	0	
23	804 000	6.4	5.0	7.6	68	4	94	32	1	97		
24	843 000	6.6	4.0									
25	656 000	6.8	4.0									
26	734 000	6.6	4.0									
27	1015 000	7.0	4.0	3.3	132	11	92	78	9	88	0	
28	1095 000	7.0	4.0	5.1	120	18	93	106	6	94	0	
29	856 000	6.5	6.0	3.0	136	8	94	108	6	94	0	
30	1080 000	7.2	4.0	4.2	168	8	95	126	3	98		
31												
Tot.	29,118,000				2199	156	1091/93.4	1375	98	1645/91.4		

PLANT NO.		DATE		TIME		FLOW		TEMP.		PH		DO		TDS		CONDUCT.	
NO.	TYPE	DAY	MONTH	HR	MIN	GPM	MGD	AIR	WATER	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET	INLET	OUTLET
01	1	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
02	2	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
03	3	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
04	4	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
05	5	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
06	6	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
07	7	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
08	8	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
09	9	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
10	10	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
11	11	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
12	12	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
13	13	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
14	14	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
15	15	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
16	16	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
17	17	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
18	18	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
19	19	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
20	20	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
21	21	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
22	22	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
23	23	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
24	24	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
25	25	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
26	26	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
27	27	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
28	28	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
29	29	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
30	30	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110
31	31	15	08	07	30	100	0.1	72	70	6.5	6.8	1.5	1.8	150	140	100	110

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

TARAWA TERRACE

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	647,800	6.6	4.0	1.8	192	13	93	148	8	95	0	
2	628,800	6.6	4.0	2.5	224	11	95	188	5	97		
3	690,400	6.5	7.0									
4	1,083,800	6.4	5.0									
5	702,800	6.4	4.0									
6	663,300	6.4	5.0	3.0	188	15	92	25	8	89	0	
7	613,100	6.7	4.0	3.5	168	17	92	178	7	96	0	
8	620,000	6.6	4.4	3.8	240	11	95	146	2	99	0	
9	651,400	6.5	4.8	3.4	172	14	92	108	4	96		
10	618,300	6.6	4.8									
11	615,200	6.6	4.7									
12	698,700	6.5	4.3									
13	606,200	6.6	5.0	2.2	228	20	95	178	7	96	0	
14	615,100	6.6	4.0	3.0	196	15	92	110	5	95	0	
15	618,100	6.5	4.5	3.2	164	12	93	130	8	94	0	
16	618,200	6.5	7.0	2.1	180	18	90	35	5	86		
17	718,300	6.5	4.0									
18	701,100	6.5	4.0									
19	709,600	6.5	4.0									
20	631,500	6.6	5.0	2.8	196	17	91	88	6	93	C/2 in Sample	
21	622,500	6.6	4.0	3.7	180	17	91	100	4	96	0	
22	657,800	6.5	4.0	2.0	288	16	94	144	4	97	2	
23	686,100	6.5	5.0	3.1	184	18	90	47	3	94		
24	641,900	6.4	8.0									
25	669,000	6.4	8.0									
26	702,000	6.5	5.0									
27	744,900	6.7	4.0	3.2	188	16	91	139	6	96	0	
28	568,200	6.6	4.0	3.0	232	18	92	166	8	95	4	
29	627,200	6.6	4.0	3.3	216	13	94	120	8	93	4	
30	628,600	6.6	4.0	2.3	188	17	91	100	6	94		
31												
Tot.	19,999,900	196			3624	274	166%/92.4	2200	104	1701/94.5		
Ave	111,100	6.5			201	15	92.5	177	6.0	95.1	1.34	

1/15/50

STATION	DATE	RAW WATER		TREATED WATER		REMARKS
		TEMP.	PH	TEMP.	PH	
1	1/15/50	52	8.2	52	8.2	
2	1/15/50	52	8.2	52	8.2	
3	1/15/50	52	8.2	52	8.2	
4	1/15/50	52	8.2	52	8.2	
5	1/15/50	52	8.2	52	8.2	
6	1/15/50	52	8.2	52	8.2	
7	1/15/50	52	8.2	52	8.2	
8	1/15/50	52	8.2	52	8.2	
9	1/15/50	52	8.2	52	8.2	
10	1/15/50	52	8.2	52	8.2	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT

CAMP JOHNSON

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/l	LAB mg/l								
1	311,400	6.7	5.5	2.7	224	3	99	146	5	97	0	
2	290,300	6.6	4.5	7.0	220	8	96	85	3	96		
3	310,100	6.6	3.9									
4	331,900	6.6	4.0									
5	285,900	6.7	4.0									
6	307,000	6.7	5.0	2.0	84	8	90	68	2	97	0	
7	305,500	6.6	5.0	4.1	172	11	94	63	7	89	0	
8	317,900	6.6	6.0	8.8	160	9	94	84	5	94	0	
9	284,800	6.6	5.0	6.5	152	14	91	165	7	96		
10	290,100	6.6	5.0									
11	319,200	6.6	5.0									
12	278,700	6.6	5.5									
13	298,500	6.7	4.0	2.1	128	10	92	90	5	94	0	
14	301,100	6.7	4.0	2.2	96	7	97	56	1	98	0	
15	334,300	6.6	4.0	8.8	156	9	94	60	5	92	0	
16	301,800	6.6	4.5	4.1	140	9	94	142	1	99		
17	294,300	6.6	5.0									
18	319,800	6.5	5.0									
19	321,000	6.6	5.0									
20	310,200	6.6	6.0	8.2	164	11	93	67	3	96	0	
21	301,600	6.6	5.5	11.6	184	12	93	51	4	92	0	
22	255,400	6.6	5.5	1.8	144	8	94	41	2	95	2	
23	364,500	6.6	5.0	4.1	64	9	86	106	3	97		
24	196,500	6.6	5.0									
25	490,500	6.6	4.0									
26	286,000	6.7	5.0									
27	310,900	6.6	6.0	8.4	96	12	88	64	9	86	0	
28	512,600	6.6	5.0	6.3	248	11	96	82	3	96	0	
29	326,900	NS	6.0	7.0	216	12	94	112	5	96	0	
30	318,800	NS	5.0	8.3	224	12	95	78	4	95		
31												
Tot.	9,287,800		147.9		2472	171	168/93.3	1560	74	1705/94.7		
Ave.	300577		4.9		16.0	1.0	93.0	90.0	1.0	94.0		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

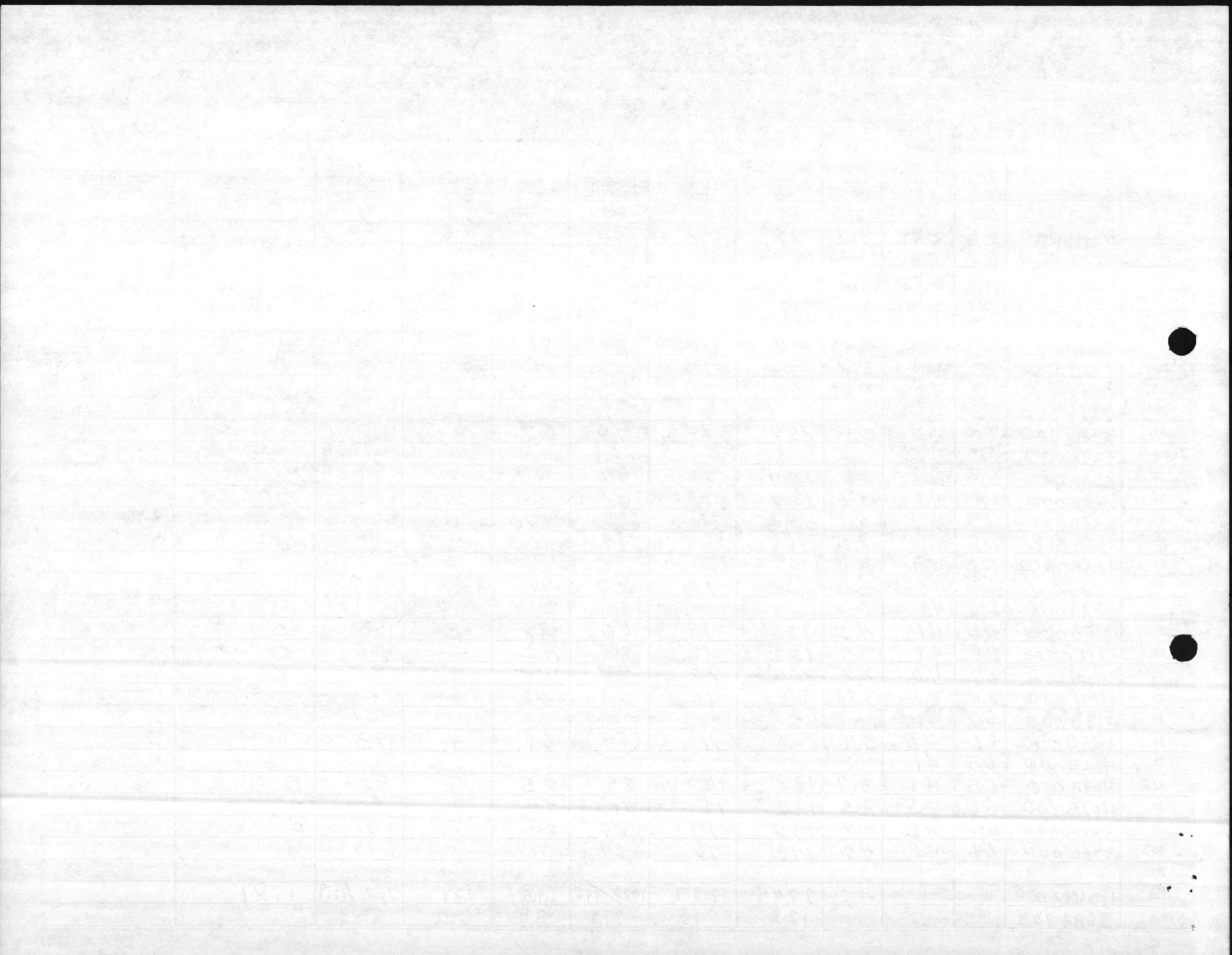
PLANT

HADNOT POINT

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	3865000	6.6	4.0	2.7	120	11	91	92	8	91	0	
2	3870000	6.6	3.8	3.7	128	8	94	82	6	93		
3	3830000	6.6	4.0									
4	5000000	6.6	4.0	3.5	92	12	87	104	9	91		
5	4000000	7.0	4.0									
6	3557000	6.8	4.0	3.7	140	10	93	70	4	94	6	
7	3667000	6.6	4.0	3.0	104	13	88	86	7	92	0	
8	3974000	6.5	4.0	3.7	104	12	88	63	6	90	0	
9	3564000	6.7	4.0	3.2	148	12	92	208	8	96		
10	3254000	6.5	4.1									
11	3349000	7.0	4.2	3.1	144	14	90	67	8	88		
12	3390000	6.8	4.2									
13	3530000	6.4	3.9	2.8	124	12	90	87	7	92	0	
14	3422000	6.4	4.1	3.7	104	10	90	60	2	97	2	
15	3360000	6.5	4.1	4.1	148	11	93	170	6	97	0	
16	3659000	6.3	4.0	2.5	188	15	92	103	4	96		
17	3211000	6.3	4.0									
18	3385000	6.5	4.0	3.0	120	16	87	90	10	89		
19	3819000	6.4	4.1									
20	3685000	6.6	4.1	4.2	136	14	90	88	3	97	0	
21	3711000	6.5	4.1	3.9	152	18	88	112	5	96	0	
22	3404000	6.8	4.0	2.5	100	12	88	55	4	93	90	2.17
23	3441000	6.4	4.1	3.1	88	10	89	48	4	92		
24	3195000	6.2	4.1									
25	3450000	6.6	4.0	3.4	68	11	84	61	4	93		
26	4120000	6.5	4.1									
27	4090000	6.5	4.1	3.7	132	14	89	85	7	92	0	
28	4175000	6.6	4.3	3.5	132	12	91	72	7	90	2	
29	3805000	6.9	4.2	3.7	132	14	89	80	7	91	0	
30	3700000	6.6	4.1	4.2	140	16	89	71	5	93		
31												
Tot.	110482000				2744	277	1972/89.6	1954	131	2043/92.9	1.81	
Ave.	3682733				125	13	89.6	89	6.0	93.3		



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MSBGL 11345/8 (REV. 6-83)

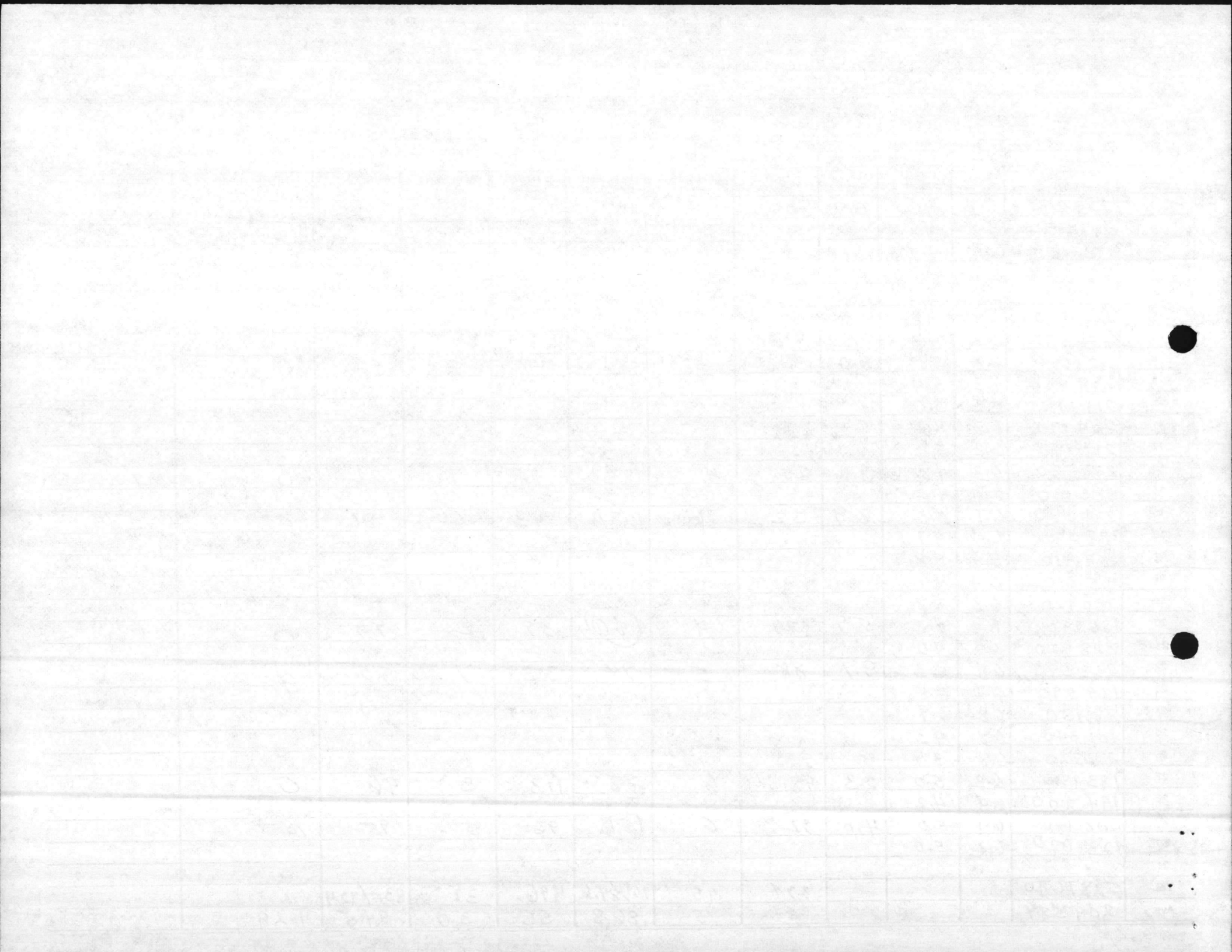
PLANT

RIFLE RANGE

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	234240	6.3	4.9	3.7	30	4	87	13	2	85	0	
2	217650	6.8	4.8									
3	178630	6.7	4.4									
4	321420	6.9	3.9									
5	260000	6.7	5.0									
6	282130	6.8	3.8	4.5	32	5	87	8	1	88	0	83.9
7	236530	6.2	4.3									
8	221600	6.2	5.1	8.0	36	5	86	47	2	96	0	84.8
9	224850	6.2	5.4									
10	211170	6.5	5.0									
11	204190	6.2	4.2									
12	211940	6.2	5.8									
13	271530	6.3	4.8	3.0	20	4	80	44	7	92	0	84.7
14	235130	6.7	4.2									
15	231480	6.7	5.3	3.9	32	6	87	43	6	86	0	85.3
16	173290	6.4	4.7									
17	197410	6.4	3.8									
18	195310	6.4	4.9									
19	235120	6.2	4.8									
20	186790	6.4	4.2	5.9	20	4	80	59	2	97	0	82.1
21	228920	6.4	4.6									
22	263570	6.4	5.3	9.1	88	5	94	33	1	97	0	86.5
23	169590	6.7	4.4									
24	88750	6.8	3.9									
25	101340	6.8	4.3									
26	201820	6.8	3.9									
27	183180	6.2	5.0	2.3	48	6	88	113	5	96	0	
28	194200	6.4	4.2									
29	202180	6.1	5.0	4.0	92	6	87	96	5	95	10	
30	123680	6.2	5.0									
31												
Tot.	6287690				398	43	76/84.6	496	31	832/92.4		
Ave.	209589				9.6	5	86.8	55	3.0	94.5	1.29	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

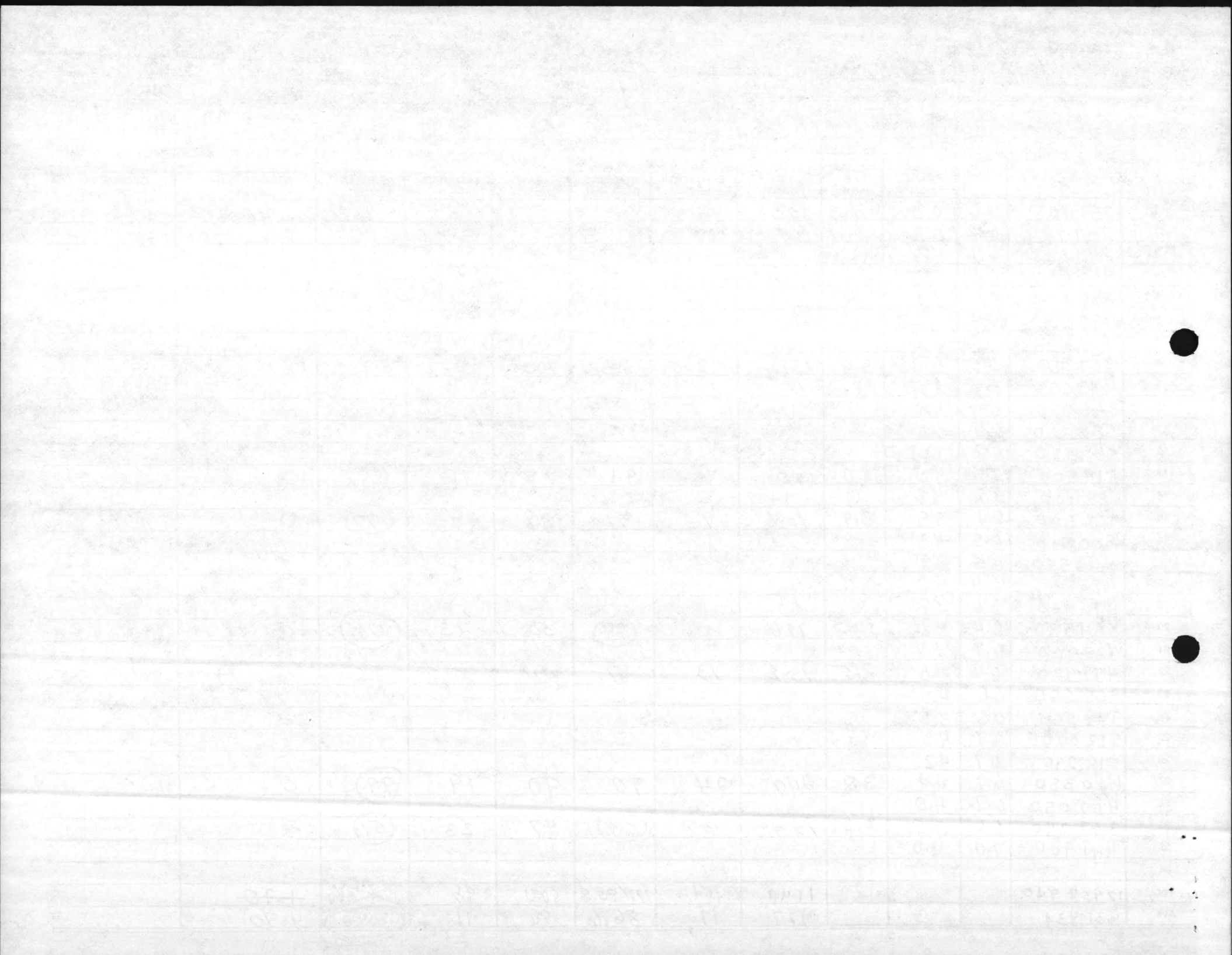
PLANT

COURTHOUSE BAY

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	291100	6.6	0.0	4.3	103	8	92	56	3	95	6	
2	237750	6.4	5.3									
3	279450	6.7	4.3									
4	446300	6.5	4.1									
5	223650	6.6	3.9									
6	279600	6.4	4.3	4.5	68	6	91	27	1	96	0	
7	298050	6.4	4.3									
8	365350	6.3	4.4	3.8	136	8	94	70	5	93	0	
9	403660	6.4	5.0									
10	549570	6.4	3.0									
11	553220	6.0	0.0									
12	553550	6.8	3.0									
13	519300	6.5	4.0	0.0	120	11	91	77	16	(79)	0	
14	532300	6.5	4.3									
15	566500	6.4	3.5	3.1	104	9	91	39	9	(77)	0	
16	500500	6.5	4.3									
17	463550	6.5	3.9									
18	477850	6.6	4.2									
19	476800	6.6	3.9									
20	504980	6.4	4.2	3.1	120	38	(68)	50	13	(74)	0	84.9
21	428900	6.7	3.3									
22	477920	6.7	4.0	2.5	152	13	91	44	6	86	10	84.6
23	369650	6.6	4.0									
24	329550	6.6	3.5									
25	512060	6.7	4.3									
26	519290	6.7	4.2									
27	460350	6.7	4.4	3.8	240	24	90	90	19	(79)	0	84.2
28	462050	6.7	4.0									
29	367240	6.6	5.0	3.5	104	37	(64)	47	23	(51)	2	
30	441900	7.0	4.0									
31												
Tot.	12957940				1147	194	772/85.8	500	95	730/81%	170	
Ave.	431931				127	17	86.7%	56	11	(80.4%)	1.70	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

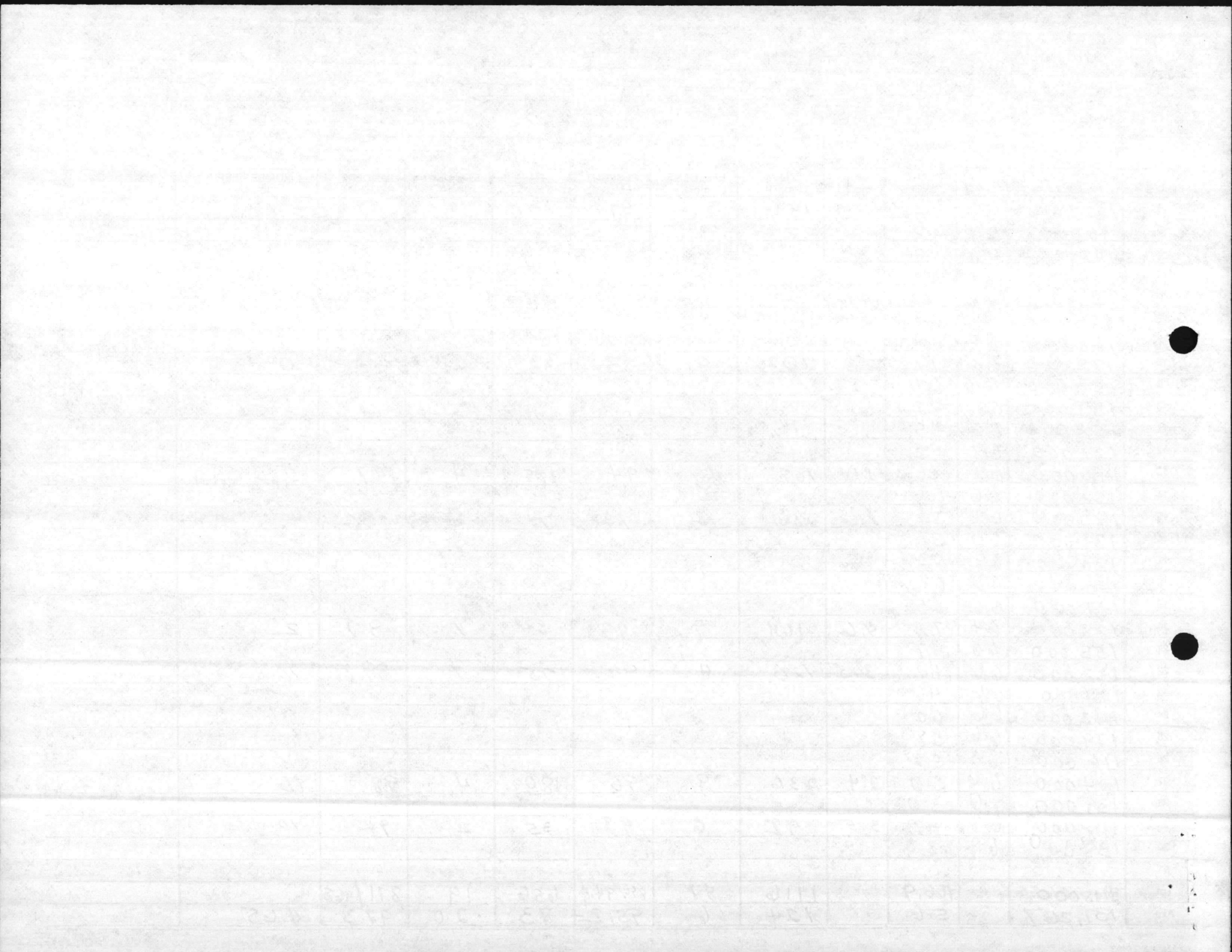
PLANT

ON SLOW BEACH

MONTH

NOVEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	120000	6.6	4.2	11.5	144	5	97	71	1	99	10	
2	90000	6.6	6.5									
3	100000	6.8	8.0									
4	120000	6.6	7.0									
5	135000	6.6	7.0									
6	125000	6.4	8.0	12.0	104	5	95	29	1	97	0	
7	128000	6.6	6.4									
8	175000	6.6	7.2	2.3	132	9	93	33	2	94	0	
9	150000	6.6	5.7									
10	159000	6.8	4.7									
11	158000	6.6	4.5									
12	122000	6.8	5.2									
13	148000	6.8	4.6	1.0	108	6	94	128	4	97	8	
14	152000	6.6	6.6									
15	125000	6.8	5.1	1.6	76	6	92	71	3	96	4	
16	181000	6.6	5.0									
17	180000	6.8	6.0									
18	129000	6.6	6.0									
19	127000	6.6	6.5									
20	128000	6.4	7.2	4.6	104	7	93	34	1	97	2	
21	155000	6.6	4.7									
22	132000	6.6	4.2	3.5	120	4	97	25	1	99	10	
23	124000	6.6	4.6									
24	143000	6.6	6.0									
25	179000	6.6	5.8									
26	116000	6.6	5.2									
27	124000	6.6	5.0	2.4	236	9	96	180	4	98	16	
28	139000	6.6	3.0									
29	116000	6.8	4.0	3.5	92	6	93	35	2	94	10	
30	138000	6.8	3.0									
31												
Tot.	4118000		166.9		1116	57	850/94.4	656	19	871/96.8		
Ave.	131,226.7		5.6		124	6	95.2	73	2.0	97.3	4.65	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

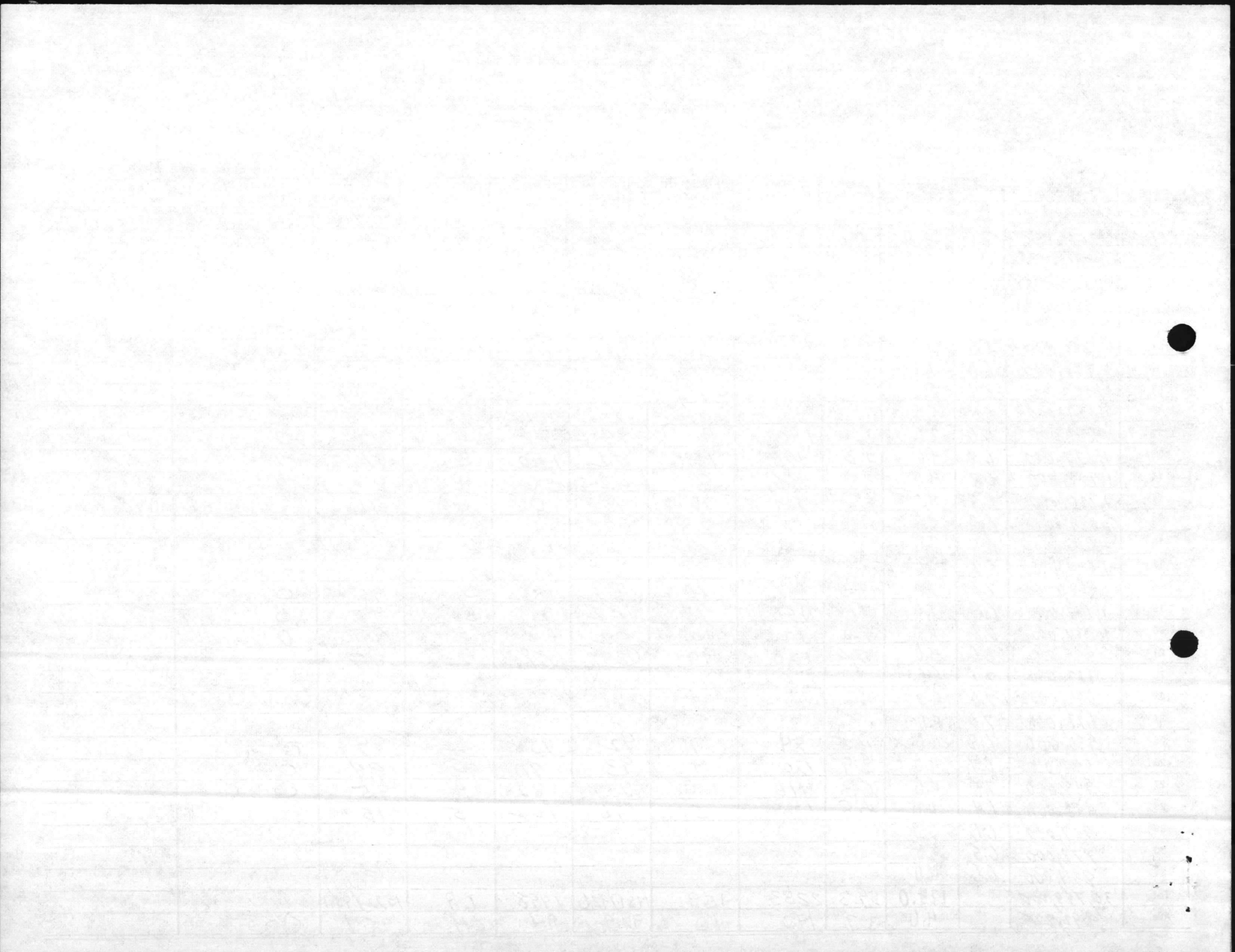
PLANT

CAMP BEIGER

MONTH

DECEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	986,000	6.8	5.0									
2	1,903,000	7.0	4.0									
3	887,000	7.1	5.0									
4	1,109,000	6.8	4.0	2.2	88	5	94	72	4	94	0	
5	1,111,000	6.8	4.0	3.4	176	9	95	124	6	95	0	
6	1,031,000	7.0	3.0	4.3	105	6	94	67	9	87	0	
7	1,093,000	6.8	4.0	1.9	348	11	97	114	4	97		
8	1,010,000	6.6	4.0									
9	1,023,000	6.8	5.0									
10	1,027,000	6.8	5.0									
11	939,000	6.6	3.0	3.2	140	9	94	92	3	97	0	
12	1,077,000	6.8	4.0	3.3	160	13	92	130	5	96	0	
13	1,108,000	6.8	4.0	2.8	96	8	92	56	4	93	0	
14	1,126,000	6.8	4.0	1.8	128	13	90	106	4	96		
15	1,083,000	6.8	5.0									
16	914,000	6.8	3.0									
17	1,047,000	6.8	4.0									
18	968,000	7.0	3.0	4.4	140	16	89	108	5	95	0	
19	1,162,000	6.8	3.0	3.8	156	13	92	91	5	95	0	
20	1,039,000	6.8	4.0	4.8	128	10	92	68	2	97	0	
21	865,000	6.6	4.0	3.9	120	19	(84)	68	2	97		
22	827,000	7.1	5.0									
23	690,000	7.0	4.0									
24	622,000	7.0	4.0									
25	850,000	6.8	4.0	4.5	84	7	92	138	2	99	0	
26	859,000	6.8	4.0	3.9	120	9	93	80	5	94	0	
27	949,000	7.0	4.0	6.3	116	6	95	82	4	95	0	
28	997,000	6.4	4.0	4.8	128	5	96	102	5	95		
29	907,000	6.6	3.0									
30	772,000	6.5	4.0									
31	837,000	6.6	4.0									
Tot.	30,759,000		124.0	59.3	2233	159	1481/926	1498	69	1522/95.1		
Ave.	992,225		4.0	3.7	140	10	92.9	94	4	95.7	0	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

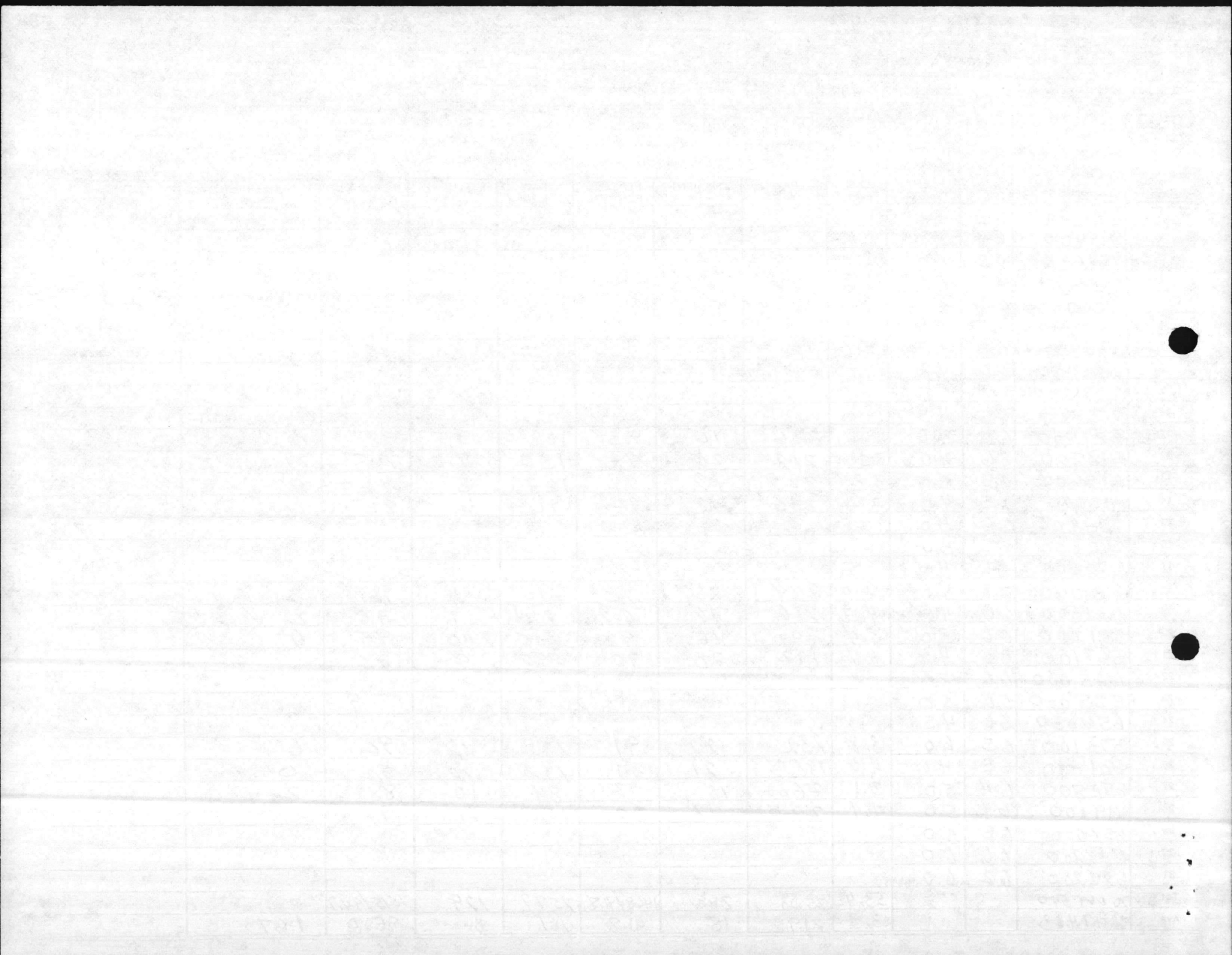
PLANT

TARAWA TERRACE

MONTH

DECEMBER 1984

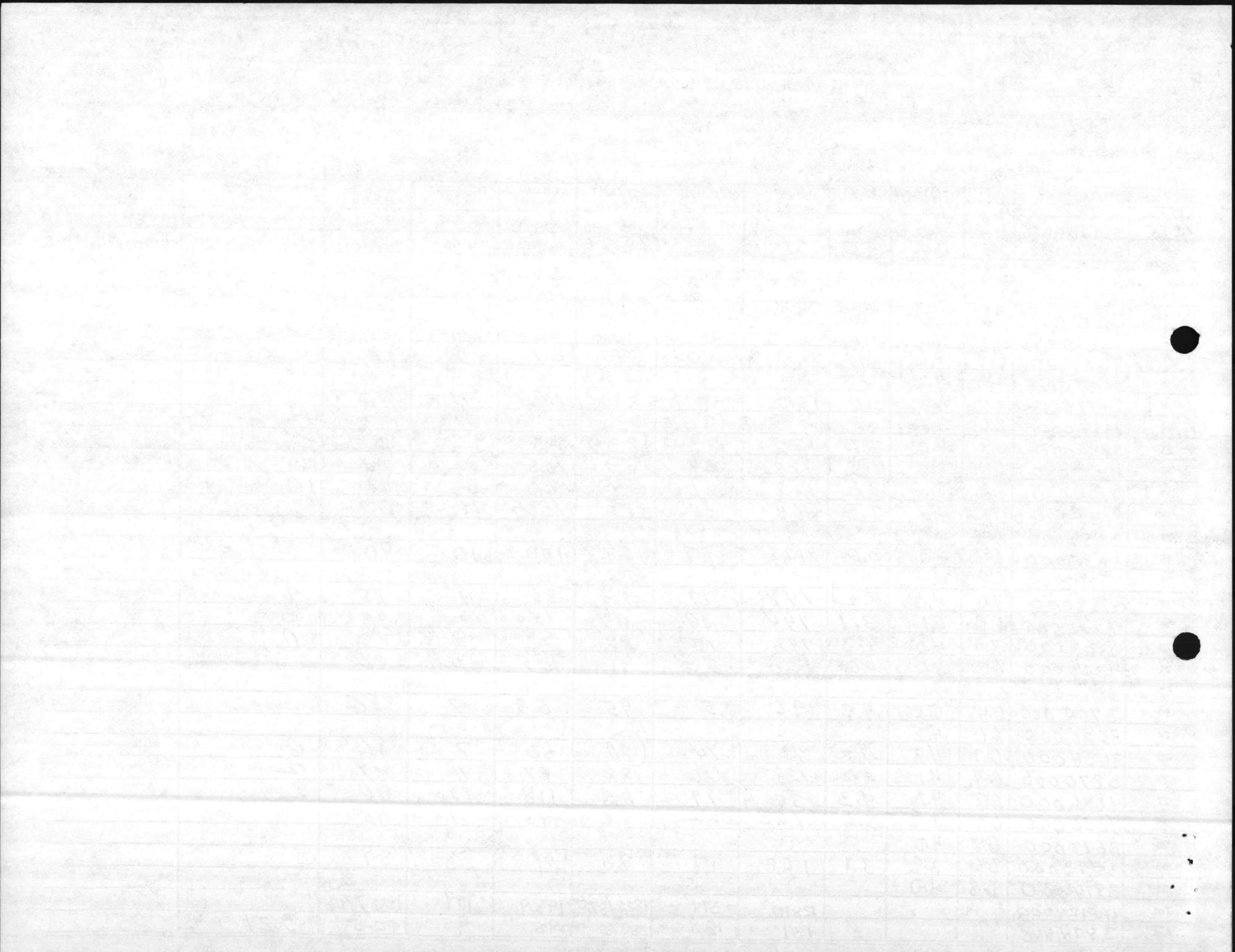
DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	677900	6.4	5.0									
2	719400	6.4	8.0									
3	751600	6.5	4.0									
4	650200	6.7	4.0	2.8	188	15	92	140	10	93	0	
5	742900	6.6	4.2	2.1	176	24	86	178	10	94	10	
6	568900	6.6	4.7	3.2	204	11	95	140	10	93	0	
7	609900	6.5	4.5	3.6	276	23	92	150	6	96		
8	630100	6.6	4.7									
9	656300	6.7	4.8									
10	713200	6.6	4.5									
11	627500	6.6	4.0	2.2	236	16	93	168	3	98	0	
12	618800	6.6	4.0	3.7	212	20	91	150	7	95	0	
13	615600	6.5	4.0	3.2	228	13	94	187	8	96	0	
14	611000	6.5	4.0	2.5	236	19	92	126	6	95		
15	784500	6.6	5.0									
16	660000	6.5	5.0									
17	670500	6.6	4.0									
18	691000	6.7	4.0	3.0	244	16	93	210	8	96	2	
19	631500	6.6	4.0	4.3	216	16	99	204	9	96	2	
20	581200	6.6	3.0	3.4	200	16	92	188	10	95	0	
21	567100	6.6	4.0	4.4	192	20	90	230	9	96		
22	625000	6.6	8.0									
23	585000	6.6	5.0									
24	656000	6.6	4.5									
25	573100	6.5	6.0	3.8	232	22	91	132	6	96	6	
26	601000	6.5	4.0	4.0	188	21	89	132	10	92	0	
27	652800	6.4	5.0	3.1	260	18	93	84	10	88	2	
28	619100	6.4	5.0	4.1	220	18	72	158	7	96		
29	652000	6.5	5.0									
30	638200	6.6	6.0									
31	688200	6.2	6.0									
Tot.	20069500			53.4	3528	288	1468/91.8	2577	129	1515/94.7		
Ave.	647403			3.3	219	18	91.8	161	8	95.0	1.67	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

PLANT **HADNOT POINT** MONTH **DECEMBER 1984**

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	3,480,000	6.6	4.0									
2	3,456,000	6.6	4.0	4.0	96	10	87	92	4	96		
3	3,944,000	6.6	4.0									
4	3,970,000	6.6	4.0	3.0	124	12	90	110	8	93	2	
5	4,328,000	6.8	4.0	3.2	136	24	82	98	16	84	12	
6	4,061,000	6.9	4.0	3.6	130	16	88	86	10	88	2	
7	4,139,000	6.9	4.1	2.2	152	20	87	67	8	88		
8	3,608,000	7.0	4.1									
9	3,477,000	6.8	4.0	3.6	152	14	91	112	11	90		
10	3,117,000	6.6	3.9									
11	3,959,000	6.9	4.0	3.5	132	23	83	73	9	88	0	
12	4,023,000	6.8	4.0	4.5	188	24	87	105	9	91	16	
13	4,174,000	6.9	4.0	3.2	128	21	84	77	8	90	16	
14	4,045,000	7.0	4.0	2.5	164	24	85	106	11	90		
15	3,593,000	6.8	4.0									
16	3,637,000	6.8	4.0	3.0	128	17	87	100	10	90		
17	4,070,000	6.8	4.0									
18	4,169,000	7.0	4.0	4.2	148	17	89	88	11	88	4	
19	4,203,000	6.6	4.1	3.1	144	19	87	140	10	93	0	
20	4,303,000	7.0	4.0	4.3	140	17	88	93	9	90	0	
21	4,328,000	6.8	3.6	4.6	160	23	91	105	11	90		
22	3,876,000	6.7	4.0									
23	3,700,000	6.4	4.1	4.9	96	5	95	63	9	86		
24	3,620,000	6.6	4.2									
25	3,434,000	6.7	4.3	4.3	92	14	80	50	7	86	6	
26	3,870,000	6.7	4.1	3.8	128	16	88	87	11	87	2	
27	4,156,000	6.8	4.1	4.3	132	19	86	118	12	90	2	
28	4,030,000	6.9	3.9	3.6	160	22	86	145	7	95		
29	3,677,000	6.8	4.0									
30	3,593,000	6.6	3.9	3.1	120	17	86	99	8	89		
31	3,974,000	6.8	4.0									
Tot.	120,124,000				2810	374	1825/87.0	1989	179	1882/89.6		
Ave.	3,874,968				134	18	86.6	95	9	90.5	3.21	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

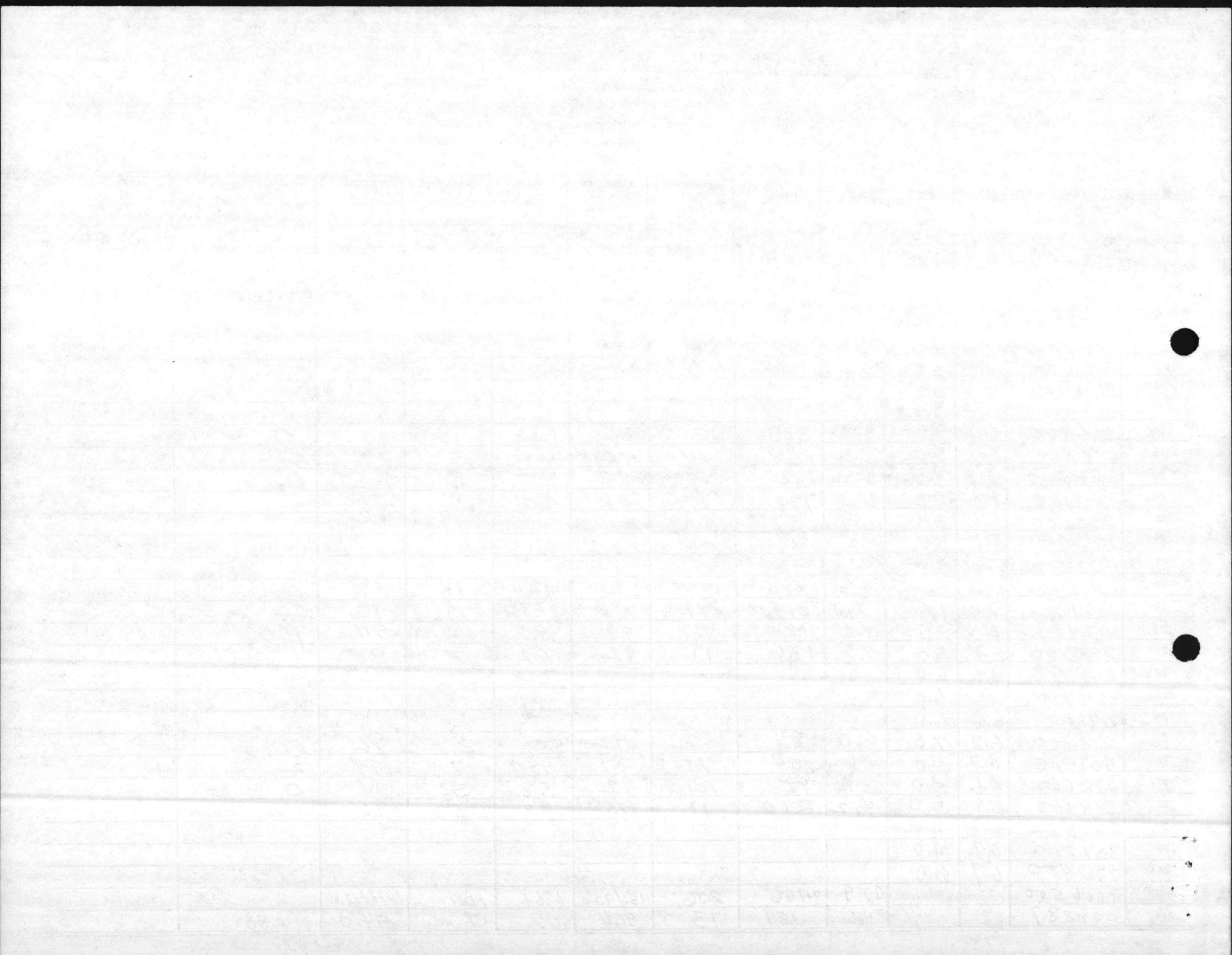
PLANT

CAMP JOHNSON

MONTH

DECEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	330 000	6.6	4.0									
2	372 300	6.7	6.0									
3	351 200	6.7	5.0									
4	390 400	6.6	4.0	4.2	64	15	77	68	10	85	0	
5	317 200	6.7	4.0	3.9	124	15	88	140	11	92	0	
6	297 400	6.6	4.0	4.7	165	11	93	125	8	94	0	
7	310 300	6.8	6.0	3.8	168	19	89	93	8	91		
8	302 100	6.8	6.0									
9	310 000	6.8	3.0									
10	261 300	6.8	3.0									
11	306 700	6.7	8.0	8.3	308	13	96	138	1	99	0	
12	293 300	6.8	6.0	8.3	164	14	91	42	3	93	0	
13	309 500	7.0	4.0	5.5	112	15	87	35	6	83	0	
14	194 100	6.6	8.0	6.3	172	16	91	40	5	88		
15	290 600	6.6	6.0									
16	196 800	6.6	4.0									
17	627 500	6.6	5.0									
18	312 500	6.8	3.0	4.0	140	14	90	104	14	87	0	
19	509 100	7.0	1.5	3.1	215	12	94	236	9	96	0	
20	107 400	6.8	2.5	1.6	180	11	94	97	2	94	1000	
21	295 800	6.7	5.0	3.5	136	11	92	62	7	89		
22	208 700	6.6	6.0									
23	364 700	6.6	6.0									
24	291 000	6.6	6.0									
25	201 000	6.8	7.0	6.0	84	7	92	55	2	96	0	
26	407 900	6.7	5.0	1.6	104	12	89	450	7	98	2	
27	278 600	6.6	5.0	3.9	120	10	92	58	5	91	0	
28	309 100	6.9	5.0	4.2	210	11	95	118	5	96		
29	276 400	6.7	4.0									
30	307 200	6.7	4.0									
31	276 400	6.7	6.0									
Tot.	9606 500			72.9	2466	206	1453/926	1861	107	1472/92.6		
Ave.	309 887			4.6	154	13	91.6	116	7	94.0	1.88	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

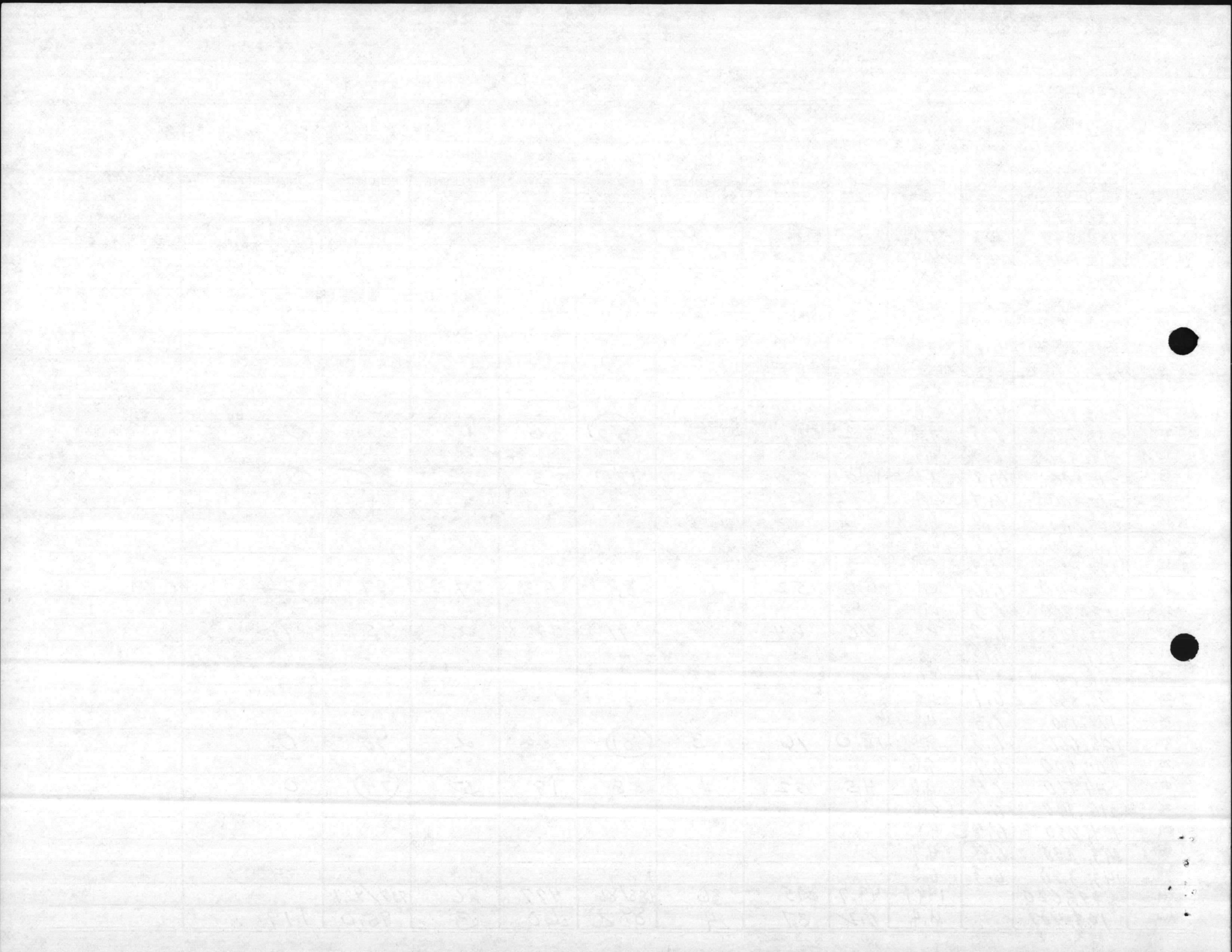
PLANT

RIFLE RANGE

MONTH

DECEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/l	LAB mg/l	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	RAW mg/l	EFFLUENT mg/l	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
1	192,180	6.1	4.9									
2	204,280	6.3	3.8									
3	213,440	6.1	4.4									
4	234,730	6.1	3.6	3.0	33	3	91	107	4	96	0	
5	280,470	6.4	5.2									
6	251,740	6.5	4.0	1.2	50	4	92	56	3	95	2	
7	213,730	6.1	4.5									
8	220,090	6.1	4.8									
9	189,410	6.2	5.2									
10	229,110	6.1	4.6									
11	231,240	6.3	4.4	3.2	28	5	82	36	1	97	0	
12	213,320	6.4	4.5									
13	211,300	6.2	5.0	1.6	20	5	75	83	2	95	0	
14	218,800	6.7	4.9									
15	204,090	6.8	4.8									
16	183,980	6.8	4.9									
17	177,490	6.9	5.0									
18	202,440	6.0	5.1	6.6	52	6	88	53	7	87	2	
19	178,860	6.3	4.8									
20	172,100	6.2	4.9	1.6	64	6	91	37	2	95	0	
21	187,050	6.3	5.5									
22	166,040	6.1	5.0									
23	90,850	6.1	4.9									
24	172,140	6.4	4.8									
25	198,660	6.3	5.4	18.0	16	3	81	86	2	98	0	
26	204,900	6.7	5.6									
27	44,170	6.4	4.0	4.5	32	4	88	19	5	74	0	
28	216,390	6.3	5.0									
29	164,050	6.4	4.9									
30	143,190	6.3	4.7									
31	143,380	6.3	6.0									
Tot.	5,495,620		149.1	49.7	295	36	688/86	477	26	737/92.1		
Ave.	193,407		4.8	6.2	37	4	89.2	60	3	95.0	1.19	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
 MCBCL 11345/8 (REV. 6-83)

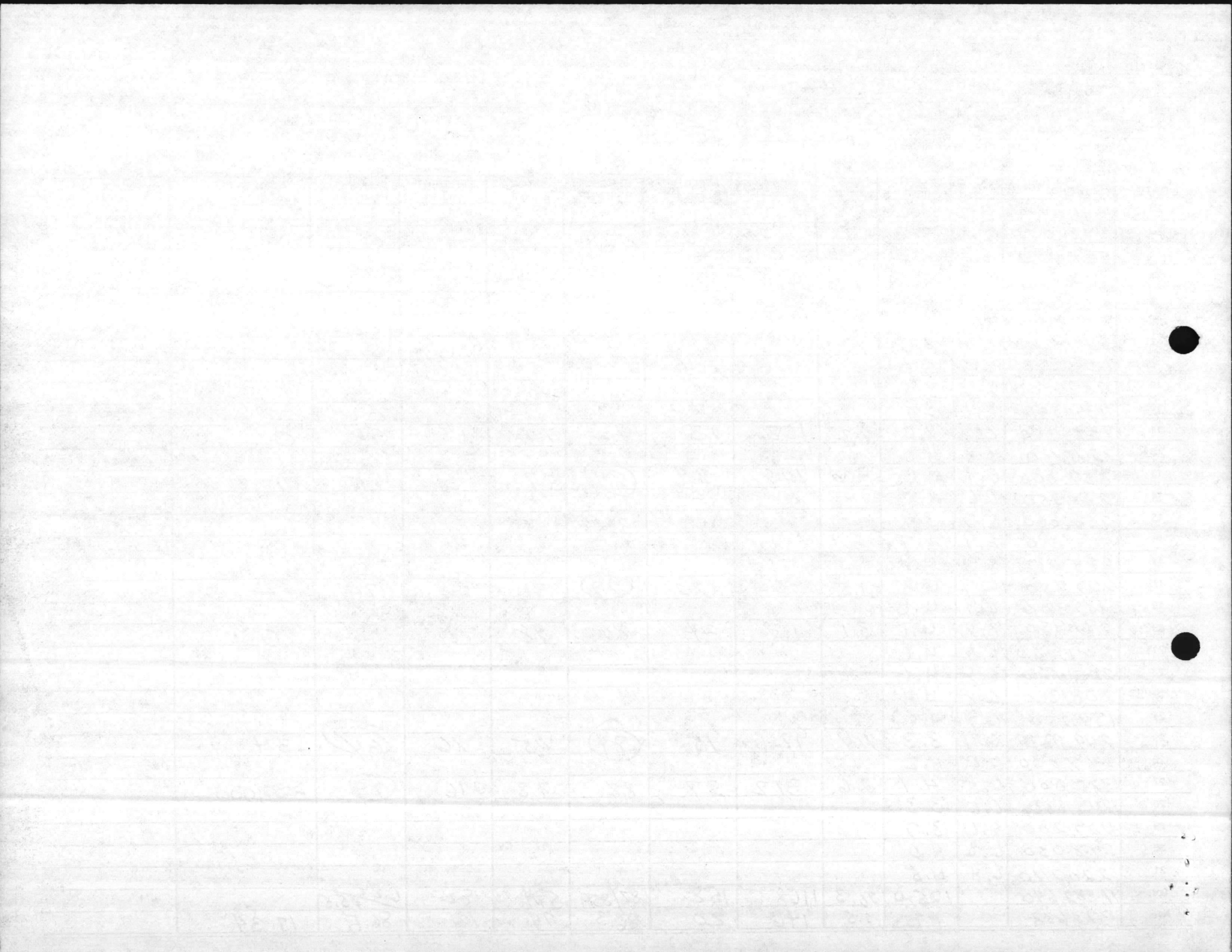
PLANT

COURTHOUSE BAY

MONTH

DECEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
	TOTAL DAILY GPD		PLANT mg/1	LAB mg/1								
1	431,000	6.9	3.6									
2	498,390	6.8	4.0									
3	507,420	6.8	4.3									
4	584,800	6.7	3.5	1.4	96	12	88	83	6	93	0	
5	581,500	6.7	3.9									
6	580,800	6.7	3.9	3.5	88	11	88	67	8	88	4000	
7	579,300	6.8	2.6									
8	697,400	6.7	5.0									
9	732,000	6.7	3.9									
10	734,350	6.6	3.9									
11	735,340	6.7	4.0	2.2	168	13	92	75	1	99	0	
12	125,180	6.8	4.1									
13	257,880	6.9	4.6	4.6	148	24	(84)	57	3	95	0	
14	281,350	6.6	4.5									
15	258,800	6.7	3.9									
16	303,050	6.9	3.7									
17	285,650	6.7	4.1									
18	279,150	6.7	4.3	1.5	96	22	(72)	91	24	(74)	2	
19	282,300	6.9	4.0									
20	294,980	6.8	4.1	3.1	168	24	86	98	8	92	0	
21	207,070	6.8	4.6									
22	205,420	6.8	4.6									
23	208,380	6.8	4.4									
24	194,250	6.9	4.4									
25	244,750	6.7	3.3	1.4	92	15	(84)	45	16	(64)	3.4	
26	249,830	6.4	4.2									
27	325,000	6.5	4.1	2.6	312	37	88	78	16	(79)	280,000	
28	249,850	6.6	3.3									
29	229,200	6.6	3.7									
30	218,030	6.6	4.0									
31	220,270	6.4	4.5									
Tot.	11,582,640		125.0	26.3	1168	158	187/859	594	82	684/85.5		
Ave.	373,633		4.0	2.5	146	20	86.3	74	10	86.5	17.34	



MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

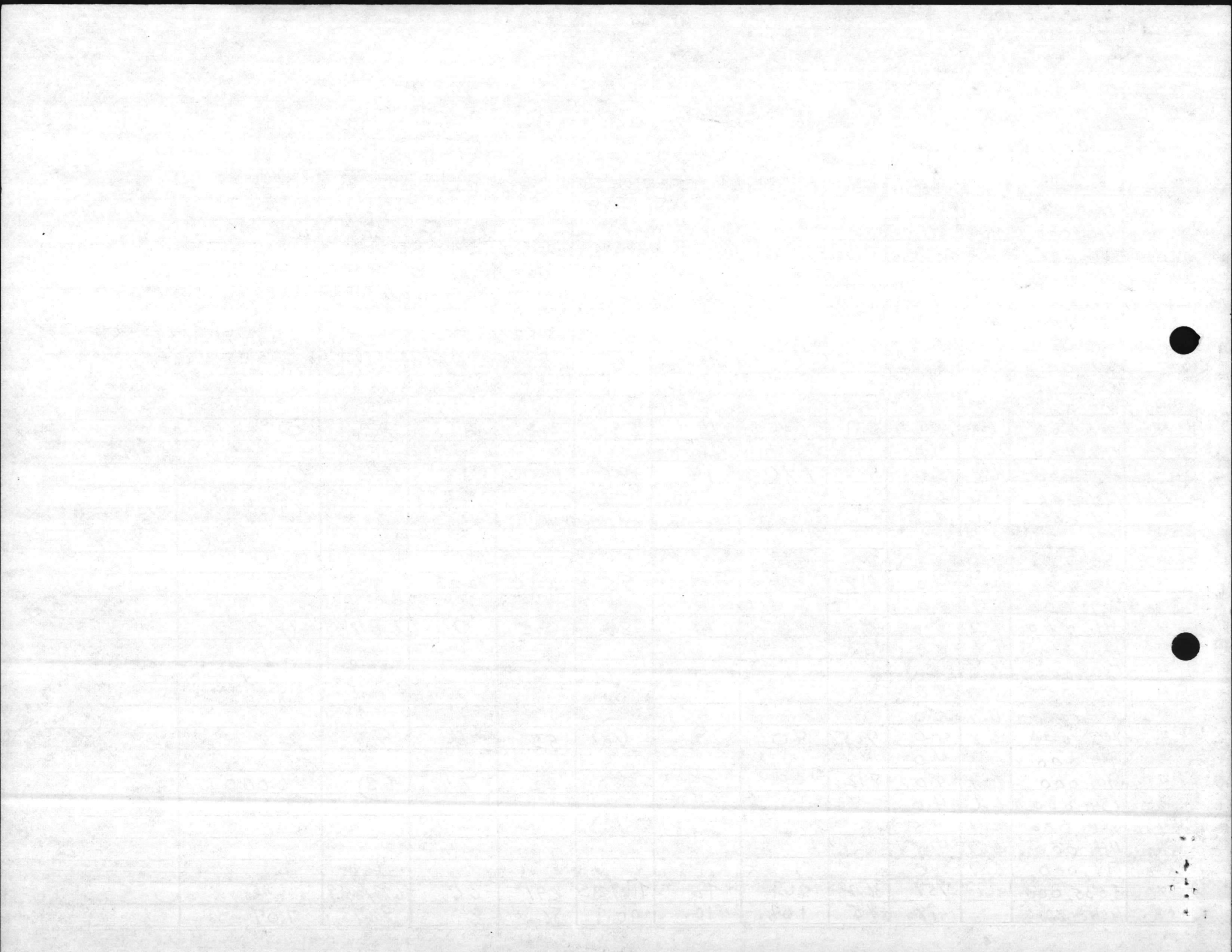
PLANT

ON SLOW BEACH

MONTH

DECEMBER 1984

DATE	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL		RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	NUMBER PER 100 ml	GEOMETRIC MEAN
			PLANT mg/1	LAB mg/1								
1	120,000	6.6	5.0									
2	116,000	6.8	5.0									
3	120,000	6.8	7.0									
4	140,000	6.2	5.0	7.5	83	5	94	44	4	91	2	
5	123,000	6.4	4.0									
6	102,000	6.4	6.0	2.3	88	6	93	28	6	79	26	
7	104,000	6.4	6.0									
8	112,000	6.4	4.0									
9	131,000	6.4	4.0									
10	112,000	6.3	4.0									
11	104,000	6.4	4.0	0.7	104	11	89	33	9	73	0	
12	117,000	6.8	4.0									
13	102,000	6.8	5.0	5.0	140	14	90	180	7	96	0	
14	131,000	6.6	6.0									
15	124,000	6.6	6.0									
16	140,000	6.4	5.0									
17	96,000	6.4	5.0									
18	97,000	6.7	4.0	0.7	228	12	95	274	22	92	10	
19	94,000	6.7	4.0									
20	91,000	6.7	5.0	4.3	116	13	89	55	7	87	0	
21	92,000	6.6	5.0									
22	130,000	6.6	5.0									
23	125,000	6.6	5.0									
24	104,000	6.7	5.0									
25	102,000	6.8	4.0	7.5	40	9	88	55	4	93	2	
26	94,000	6.5	4.0									
27	90,000	6.7	4.0	8.2	68	8	88	22	7	68	6000	
28	134,000	6.6	4.0									
29	126,000	6.7	4.5									
30	114,000	6.7	4.5									
31	98,000	6.7	8.0									
Tot.	3,535,000		151	36.2	867	78	716/895	691	66	679/84.9		
Ave.	114,032		4.8	4.5	108	10	90.1	86	8	90.7	7.07	



6286/1 NPDES MONTHLY
REPORT - UTIL

