JAN 1 1985

JAN 1987 - DESTROY
SECNAVINST 5215.5B, Part 11,Chap 1
Par 11010(1)(b)
RETENTION - 2 YEARS

6280/2 NPDES PERMIT

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 accordance with the NPDES Permit.

J. I. WOOTEN

Blind copy to:
SupvChem

MCBCL 11345/8 (REV. 6-83)

PLANT: CAMP GEIGER

MONTH: MAY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM GEOMETRIC MEAN
1	684,100	6.6	4.0	3.0	144	11	92	82	2	98	0	
2	720,100	6.8	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	597300	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		
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	1143/94.4	1910	74	1821/958	0.0	
Ave.	708,990		3.9	3.3	142	8	94.4	101	4	96.0		

ENCLOSURE (1)

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

PLANT: TARAWA TERRACE

MONTH: MAY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM 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	Cl_2	
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	632600	6.6	4.0	4.0	156	13	92	110	4	96		
11	725300	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	14	93.2	176	5	97.2	1.26	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT: CAMP JOHNSON

MONTH: MAY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: 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	342200	6.8	3.0	3.3	196	8	96	112	2	98	0	
8	319300	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	349,300	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				2862	198	1754 / 92.3	1709	51	1821 / 95.8	1.38	
Ave.	342,832				151	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: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	EFFLUENT mg/1	PERCENT REMOVAL	COLIFORM 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	2.6	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	3,512000	6.8	4.0									
7	3780000	6.7	4.2	2.5	152	17	89	122	7	94	2	
8	3,856000	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	4,340000	6.6	4.1	3.4	136	17	88	119	9	92		
11	4,033000	6.5	4.2									
12	3,947000	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	3,880000	6.8	3.7	2.9	156	17	89	138	5	96		
18	3,797000	6.8	4.0									
19	4,386000	6.8	4.0	3.5	92	13	86	74	4	95		
20	4,473,000	6.7	4.1									
21	3553000	6.8	4.0	2.9	152	16	89	138	6	96	44	
22	4,261000	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	3,556000	6.8	3.9	3.5	70	13	81	51	6	88		
27	3,911,000	6.9	3.9									
28	4,453000	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.	126,264,000		125.4	73.4	3058	346	1933/87.9	2585	133	2163/94.0	2.87	
Ave.	4073032		4.0	3.3	139	16	88.5	112	6	94.6		

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MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11[illegible]5/8 (REV. 6-83)

PLANT: RIFLE RANGE

MONTH: MAY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
1	238550	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	202780	6.6	5.0									
16	192540	6.6	0.0	3.8	25	4	84	159	3	~~98~~	6	
17	293364	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	165200	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
MCBCL 11345/8 (REV. 6-83)

PLANT: COURTHOUSE BAY

MONTH: MAY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
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	125	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	2.7	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		

	PLANT EFFLUENT DATA				5 DAY 20° C. BOD			SUSPENDED SOLIDS			COLIFORM	
	FLOW	PH	CHLORINE RESIDUAL									
DATE	TOTAL DAILY GPD		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	160,000	6.8	4.0									
2	149,000	6.8	3.5	4.5	180	24	87	76	5	93	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	1.7*	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.	150,968				130	16	87.7	66	6	90.9		

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

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

MCBCL 11345 8 (REV. 9-83)

PLANT: CAMP GEIGER

MONTH: APRIL 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
1	937400	6.6	3.0			CL ✓						
2	838000	6.6	4.0	4.4	100	—	—	66	2	97	0	
3	844100	6.6	4.0	3.2	106	5	95	92	6	93	0	
4	828800	6.6	4.0	3.6	152	4	97	82	1	98	0	
5	744100	6.6	4.0	4.2	164	6	96	98	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	70	4	94	0	
10	810100	6.9	4.0	3.9	124	8	94	116	5	96	0	
11	802800	7.0	4.0	2.5	124	8	94	128	3	98	0	
12	777700	6.8	4.0	4.1	228	10	96	75	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	46	1	98	0	
17	791400	6.8	4.0									
18	830000	6.6	4.0	2.7	132	4	97	78	4	95	0	
19	794400	6.6	4.0	3.6	120	6	95	94	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	126	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	86	2	98	0	
26	726700	6.8	4.0	3.0	160	8	95	96	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	96	2	98	0	
31												
Tot.	22,831500				2120	100	1329/94.9	1349	46	1449/96.6		
Ave.	761050				141	7	95.0	90	3	96.7	0	

ENCLOSURE (1)

MCBCL 11345/8 (REV. 6-83)

PLANT: TARAWA TERRACE

MONTH: APRIL 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: 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	Cl2	
5	623700	6.6	4.5	2.8	216	13	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	Cl2	
10	610500	6.6	4.1	5.3	208	15	93	559	3	99	Cl2	
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	692600	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	1478/92.4	3564	63	1559/97.4		
Ave.	637927				194	14	92.8	223	4	98.2	2.19	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBGL 11345.0 (REV. 6-83)

PLANT: CAMP JOHNSON

MONTH: APRIL 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
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	14	93	106	7	93	0	
10	460000	6.6	3.0	3.7	112	14	88	68	7	90	6	
11	443000	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	455000	6.5	4.0									
18	448 000	6.5	3.0	3.5	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	460000	6.6	3.0									
23	451 000	7.0	3.0	2.0	252	10	96	175	6	97	0	
24	471000	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	6.0	8.2	168	12	93	52	2	96	Cl2 —	
31												
Tot	13 399 000				2312	173	1381/42.1	1780	89	1398/73.2		

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

PLANT: HADNOT POINT

MONTH: APRIL 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	BOD: EFFLUENT mg/1	BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SS: EFFLUENT mg/1	SS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC 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	2.5	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	84	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	4.5	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	3 685 000	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	84	92	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				2816	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: RIFLE RANGE

MONTH: APRIL 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM GEOMETRIC MEAN
1	258 570	6.8	4.0									
2	252 910	6.4	3.0	3.8	72	7	90	207	1	99	0	
3	308 510	6.4	5.0									
4	347 270	6.5	4.0	1.7	52	7	87	510	4	99	Clz	
5	242 760	6.5	6.0									
6	246 340	6.5	6.0									
7	251 150	6.3	4.0									
8	213 580	6.5	4.0									
9	286 000	6.5	8.0	0.8	88	9	90	238	7	97	0	
10	249 030	6.7	5.0									
11	251 260	7.0	4.0	1.0	52	7	87	34	2	94	0	
12	171 560	6.4	6.0									
13	210 200	6.3	5.0									
14	266 270	6.3	5.0									
15	214 540	6.4	6.0									
16	223 130	6.3	6.0									
17	180 440	6.4	5.0									
18	239 130	6.5	6.0	4.0	85	3	97	590	5	99	0	
19	210 660	6.8	4.0									
20	215 870	6.9	0.0									
21	236 400	6.9	4.0									
22	216 270	6.9	4.0									
23	206 180	6.3	6.0	2.5	56	5	91	46	2	96	0	
24	190 020	6.4	6.0									
25	266 630	6.4	6.0	1.0	72	5	93	442	1	99	0	
26	170 550	6.4	5.0									
27	124 290	6.5	5.0									
28	130 890	6.4	6.0									
29	196 680	6.3	5.0									
30	246 050	6.3	6.0	0.6	72	6	92	78	4	95	0	
31												
Tot.	6 817 140				549	49	727/90.9	2145	26	778/97.3		
Ave.	227 238				69	6	91.3	268	3	98.9	0	

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

PLANT: COURTHOUSE BAY

MONTH: APRIL 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM 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	455,000	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	2.8									
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	380,000	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	413,000	6.9	4.0									
30	405,000	6.6	2.9	3.0	124	10	92	152	6	96	0	
31												
Tot.	12,682,000		[illegible]	18.7	1188	87	739/92.4	823	39	761/95.1		
Ave.	422733		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: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
1	164000	7.0	3.0									
2	120000	7.0	4.5	6.5	24	10	58	4	0	100	0	
3	194000	7.2	4.0									
4	120000	7.0	3.0	2.7	124	15	88	61	1	98	770	
5	165000	6.8	4.0									
6	194000	7.0	4.0									
7	134000	7.0	4.0									
8	141000	6.8	4.0									
9	142000	6.8	4.0	3.9	136	11	92	126	9	93	0	
10	140000	7.0	4.0									
11	110000	6.9	4.0	2.5	192	12	94	20	4	80	0	
12	105000	6.6	4.0									
13	149000	6.8	4.0									
14	100000	6.8	4.0									
15	183000	6.6	3.0									
16	180000	6.8	4.0									
17	177000	6.8	4.0									
18	174000	6.9	4.0	3.4	112	15	87	68	10	85	0	
19	160000	6.8	3.5									
20	15400	6.8	6.0									
21	130000	6.8	4.0									
22	120000	6.8	4.0									
23	126000	6.8	4.0	4.0	84	13	85	36	6	83	2	
24	137000	6.6	4.0									
25	139000	6.7	3.0	3.4	96	12	88	46	2	96	0	
26	141000	6.6	4.0									
27	140000	6.8	4.0									
28	160000	6.8	4.0									
29	175000	6.8	4.0									
30	16[illegible]000	6.6	4.5	14.4	120	17	86	28	5	82	2	
31												
Tot.	4,443000				888	105	678/85.0	389	37	717/89.6		
Ave.	148100				111	13	88.3	49	5	89.8	2.73	

28 Mar 85

6280/2
NRHEAD
28 Mar 85

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

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System (NPDES) permit number NC0003239, Discharge Monitoring Reports (DMRs) for the period December 1984, January and February 1985 are submitted.

Rifle Range Wastewater Treatment Plant violated the NPDES permit requirement for monthly Biochemical Oxygen Demand (BOD) percent removal average for January and February 1985. The violation is attributed to the low BOD loading. January's influent and effluent monthly averages were 34 mg/l and 6 mg/l respectively. February's influent and effluent monthly averages were 40 mg/l and 7 mg/l respectively.

Camp Geiger Wastewater Treatment Plant violated the NPDES permit requirements for monthly BOD and Total Suspended Solids (TSS) percent removal averages for February 1985. The violations are attributed to maintenance on the trickling filters, the filter sweeps and center columns were replaced. The filter media was severely damaged during the down time.

Courthouse Bay Wastewater Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for February 1985. The violation is attributed to maintenance on the trickling filter, the filter sweeps and center column were replaced. The filter media was severely damaged during the down time.

On 14 February 1985, at approximately 4:00PM, a break in the sewage line coming from Midway Park was discovered. The break occurred where the line crosses near the railroad tracks by the Main Gate. During the repair the effluent was treated with NTH. The repair was completed by 9:00PM that day. The Quality Control Laboratory took some bacteria samples on 15 February 1985 downstream of the sewage break. The Fecal Coliform count was 220/100 ml. The incident was reported to DEM Regional Office, Wilmington at approximately 4:45PM on 14 February 1985 by telephone.

6280/2
NREAD

The storm drain violation depicted by the enclosed table may be correlated with Base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided. Storm drains that have no values reported for the quarter were checked; however, each time they were checked they were either dry or had no flow. The Base environmental staff is continuing to work on operational control methodology to reduce oil and grease and suspended solids discharges.

For further pertinent details on any of the above, you may contact Ms. Elizabeth Betz, Supervisory Chemist, at (919)-451-5977.

Sincerely,

B. W. ELSTON
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl:
(1) DMRs
(2) Discharge Violations

Copy to:
EPA, Region IV
NAVFACENGCOM
NRESA

Blind copy to: (w/encl (2))
BMaint (UtilBr)
NREAD (QCL)

Writer: D. Sharpe, NREAD 5003
Typist: J. Cross 28Mar85

NPDES PERMIT NO. NC0003239 VIOLATIONS FOR THE PERIOD December 1984, January and February 1985

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SD 42	TSS	50 mg/l	370	19 Feb 1985
SD 46	pH	6.0-9.0	5.8	19 Feb 1985
SD 22	TSS	50 mg/l	99.8	25 Feb 1985
SD 53	TSS	50 mg/l	3000.	25 Feb 1985
SD 53	O&6	15 mg/l	1305.2	25 Feb 1985
SS 05	BOD % Removal	85%	82.4	January 1985
SS 01	BOD % Removal	85%	81.9	February 1985
SS 01	TSS % Removal	85%	83.6	February 1985
SS 05	BOD % Removal	85%	82.5	February 1985
SS 06	BOD % Removal	85%	83.1	February 1985

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

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

PLANT: CAMP GEIGER

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: 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	168	9	95	83	2	98	0	
15	822400	6.7		5.0	108	9	92	71	7	90		
16	875500	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	884510	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	

1,560,000

ENCLOSURE (1)

MCBCL 11345/8 (REV. 6-83)

PLANT: TARAWA TERRACE

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: 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		
[illegible]	646700	6.8	4.0	3.8	180	23	87	106	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	106	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									
[illegible]	631000	6.7	5.0	3.2	290	17	94	647	7	99	2	
[illegible]	728000	6.7	4.0	4.0	216	14	94	118	4	97	0	
21	653800	6.5	2.0	3.0	164	13	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	

MOBCL 11345/8 (REV. 6-83)

PLANT: CAMP JOHNSON

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	BOD EFFLUENT mg/1	BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SS EFFLUENT mg/1	SS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM GEOMETRIC 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		
[illegible]	318100	6.8	3.0	7.0	96	14	85	63	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 94.8
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	4.5	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	4.5	64	16	75	44	14	68	0	
[illegible]	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	84	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	88	50	5	90		
30	405400	6.8	4.0									
31	377700	6.7	4.0									
Tot.	10128000				2601	287	1480/87.1	1692	131	1537/90.4		
Ave.	326709				153	17	88.9	100	8	92.0	1.33	

MCPCL 11345/8 (REV. 6-83)

PLANT: HADNOT POINT

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM 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	2.9	168	22	87	96	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	—	112	17	85	51	7	86		
Tot.	158 257 000				3000	406	1898/86.3	2067	153	2030/92.3		
Ave.	5 137 000				136	19	86.0	94	7	92.6	4.86	

MCBCL 11345 8 (REV 6-83)

PLANT: RIFLE RANGE

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
1	281 930	6.4	8.0									
2	275 760	6.5	5.0									
3	274 360	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	
[illegible]	311590	6.4	8.0									
7	327650	6.4	4.5	4.8	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	257 170	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	304870	6.5	7.0									
19	317610	6.5	4.5	0.5	64	5	92	174	4	98	2	
[illegible]	266910	6.9	5.0									
21	299610	6.9	6.0		28	6	79	52	2	96	0	
22	280930	6.5	6.0									
23	264 140	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	

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345.8 (REV. 6-83)

PLANT: COURTHOUSE BAY

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
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	3.0									
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	368850	6.7	4.6									
30	310800	6.6	4.5									
31	434050	6.6	3.5									
Tot.	10831600				955	133	681/85.1	1002	54	748/93.5		
Ave.	350000				119	17	85.7	125	7	94.4	2.51	

MCBCL 11345/8 (REV. 6-83)

PLANT: ONSLOW BEACH

MONTH: MARCH 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: 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	93	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	0.8	132	18	86	96	8	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.	2,840000				933	119	709/88.6	415	33	737/92.1		
Ave.	91613				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

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

MCBCL 11345/8 (REV. 6-83)

PLANT: CAMP GEIGER

MONTH: FEBRUARY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM GEOMETRIC MEAN
1	1,112,000	6.8	3.0	2.6	120	15	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	23	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 80.9 BOD 79.6 03/21
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	TS 82.6
28	1,126,000	6.8	4.0	3.2	112	7	94	126	3	98	0	
29												
30												
31												
Tot.	27,608,000		108.5		1676	306	1288/81.1	1166	186	1303/81.4		

MODEL 1345-8 (REV 5-82)

PLANT: TARAWA TERRACE

MONTH: FEBRUARY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
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	196	15	92	110	4	96		
9	766500	6.8	4.0									
10	693000	6.8	5.0									
11	709000	6.8	5.0									
12	785500	6.8	4.5	2.2	184	25	86	136	9	93	2	
13	663500	6.8	4.0	3.0	188	20	89	68	7	90	4	
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									
19	675100	6.8	5.0	3.7	272	24	91	377	4	99	0	
20	746000	7.0	4.0	3.8	200	21	90	102	6	94	2	
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									
26	688800	6.8	4.0	3.2	236	26	89	214	9	96	0	
27	697200	6.8	4.0	3.5	196	20	90	122	4	97	2	
28	633400	6.7	4.0	3.5	220	17	92	286	7	98	6	
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	

MCBCL 11345/8 (REV. 6-83)

PLANT: CAMP JOHNSON

MONTH: FEBRUARY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
1	330 800	6.8	6.0	5.7	192	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	71	0	
7	342 000	6.9	4.0	3.2	48	12	75	47	8	83	0	
8	300 800	6.7	5.0	3.5	57	16	72	20	4	80		BOD 87.3
9	339200	6.7	6.0									
10	321 100	6.6	6.0									
11	223800	6.6	5.0									
12	341900	6.5	5.0	4.0	184	15	92	60	18	70	0	
13	338000	6.7	5.0	3.5	88	17	81	34	8	76	0	TSS 84.3
14	346500	6.7	5.0	5.1	156	15	90	72	6	92	12	
15	326 400	6.6	6.0	5.0	88	15	83	52	7	87		
16	294 300	6.8	3.0									
17	385 400	6.7	5.0									
18	254 500	6.6	5.0									
19	327 900	6.5	5.0	4.5	112	17	85	65	4	94	0	
20	337 300	6.7	4.0	4.1	128	18	86	67	6	91	0	
21	335 000	6.8	6.0	5.7	156	17	89	37	3	92	6	
22	317200	6.6	50	4.6	84	15	82	24	4	83		
23	270 400	6.7	40									
24	130 900	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	332 500	6.6	4.0	7.0	120	25	79	60	5	92	0	
28	313 500	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: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM 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	4,995,000	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	71	92	9	90	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	84	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	94	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	1611/87.8	1820	211	1750/87.5		
Ave.	5,842,321		4.1		149	22	85.2	91	11	87.9	2.88	

MCBCL 11345/6 (REV. 6-83)

PLANT: RIFLE RANGE

MONTH: FEBRUARY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM 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	BOD 71.4
8	462,980	6.4	4.6									
9	482,140	6.5	5.2									
10	477,870	6.4	4.4									
11	511,420	6.3	4.1									
12	514,500	6.1	4.1	4.5	40	8	80	104	7	93	0	TSS 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	BOD 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	BOD 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: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	BOD EFFLUENT mg/1	BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SS EFFLUENT mg/1	SS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM 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	531000	6.8	4.8	5.5	160	25	84	49	31	37	0	
6	471000	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	431000	6.8	3.4									
10	462000	6.8	5.5									
11	491000	6.2	3.9									
12	505000	6.6	3.3	2.5	128	25	80	168	24	86	22 TSS 64.0	
13	464000	6.8	4.0									
14	404000	7.0	5.0	6.1	116	20	83	118	15	87	20 BOD 79.6	
15	441 000	6.8	3.5									
16	447000	6.4	6.0									
17	413000	6.2	4.4									
18	440 000	6.3	3.8									
19	480000	6.4	4.0	3.2	160	16	90	180	6	97	40	
20	489000	6.6	4.2									
21	457000	6.6	4.3	4.1	150	31	79	114	8	93	8 BOD 81.9	
22	438000	6.7	4.0									
23	403000	6.8	4.0									
24	453000	6.7	4.0									
25	455000	6.8	2.8									
26	475000	6.7	4.3	3.4	136	15	90	343	10	97	14 TSS 87.0	
27	480000	6.9	2.9									
28	485000	6.8	4.0	2.5	140	21	85	185	12	94	24	
29												
30												
31												
Tot.	12854000				1038	174	641/80.9	1207	147	609/76.1		
Ave.	459071				130	22	83.1	151	18	88.1	11.81	

MCBCL 11345/8 (REV. 6-83)

PLANT: ONSLOW BEACH

MONTH: FEBRUARY 1985

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL: PLANT mg/1	CHLORINE RESIDUAL: LAB mg/1	5 DAY 20° C. BOD: RAW mg/1	5 DAY 20° C. BOD: EFFLUENT mg/1	5 DAY 20° C. BOD: PERCENT REMOVAL	SUSPENDED SOLIDS: RAW mg/1	SUSPENDED SOLIDS: EFFLUENT mg/1	SUSPENDED SOLIDS: PERCENT REMOVAL	COLIFORM: NUMBER PER 100 ml	COLIFORM: GEOMETRIC MEAN
1	110 000	7.0	6.0									
2	139000	7.0	6.0									
3	142000	6.9	6.0									
4	154000	6.9	4.0									
5	132 000	6.8	3.6	2.0	128	11	91	103	12	88	2	
6	138000	7.0	5.0									
7	99 000	7.0	4.5	5.1	136	6	96	35	5	86	0	
8	131000	6.9	4.0									
9	127000	6.8	5.0									
10	120 000	6.5	6.0									
11	122000	6.7	4.0									
12	145 000	6.9	3.0	—	40	11	73	14	9	36	8	
13	159000	6.8	4.5									
14	136000	6.7	4.0	1.5	160	17	89	270	10	96	6	
15	134000	6.8	5.0									
16	144000	6.9	6.0									
17	112 000	6.8	5.0									
18	110 000	6.8	6.0									
19	120000	6.6	4.5	3.7	100	12	88	116	5	96	0	
20	129000	6.6	4.0									
21	144000	6.6	3.0	1.5	64	13	89	27	3	89	4	
22	149000	6.7	4.0									
23	152000	6.8	5.0									
24	132000	6.6	4.0									
25	139000	6.7	4.0									
26	129000	6.6	4.5	3.3	88	17	81	42	8	81	4	
27	122000	6.5	4.5									
28	139000	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
22 Feb 1985

From: Director, Natural Resources and Environmental Affairs Division, Marine Corps Base, Camp Lejeune
To: Assistant Chief of Staff, Facilities, Marine Corps Base, Camp Lejeune

Subj: WASTE OIL HANDLING AND DISPOSAL

Ref: (a) AC/S, FAC ltr 6280/2 FAC of 20 Feb 1985

1. NREAD has initiated action requested by the reference. Anticipated date of receipt of analysis from contract lab is 1 April 1985. Mr. Alexander was advised of and has concurred with the 1 April 1985 date.

J. I. WOOTEN

Writer: D. D. Sharpe, NREAD, 5003
Typist: J. Cross, 21Feb85