6280 ENVIRONMENTAL QUALITY AND
POLLUTION CONTROL

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

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

T- 6286/1

DEPARTMENT OF THE NAVY

Memorandum

~~6280~~
NREAD

DATE: 28 Jan 88

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

Incl: (1) Monthly Report of Wastewater 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 generated by the Environmental Chemistry and Microbiology Laboratory and contract laboratories for the seven wastewater treatment plants aboard the Camp Lejeune complex for the month of December 1987.

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

J. I. WOOTEN

Blind copy to:
→ EC&MS (2)

U.S. GOVERNMENT PRINTING OFFICE 1985 — 505-012/18049

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC 0063011	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3											
4	248	14	94	9.4	295	12	96	0	3.0		
5											
6											
7	324	18	94	7.1	306	8	97	0			
8	284	18	94	7.7	128	10	92	0			
9	395	26	93	6.3	502	13	97	0			
10	547	18	97	7.5	244	11	95	0			
11	350	24	93	5.5	149	11	93	0			
12											
13											
14	176	23	87	6.4	55	10	82	0			
15									3.9		
16											
17											
18	378	28	93	9.0	605	14	98	0			
19											
20											
21	165	13	92	3.2	69	9	87	0			
22											
23											
24											
25	HOLIDAY										
26											
27											
28	174	12	93	2.9	145	6	96	0			
29											
30											
31											
TOTAL	3041	194		65	2498	104			6.9		
AVERAGE	304	19	94	6.5	250	10	96	0	3.5		
MAXIMUM	547	28		9.4	605	14		0	3.9		
MINIMUM	165	12		2.9	55	6		0	3.0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:

1. COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.
2. HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.
3. AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.
4. SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC0063029	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1	210	12	94	7.4	180	13	93	10			
2	172	13	92	7.4	157	9	94	10			
3	176	12	93	8.3	150	6	96	0			3.2
4	275	14	95	6.5	156	13	92	2	5.7		
5											
6											
7	182	14	92	7.2	168	11	93	0			
8	184	15	92	8.2	122	9	92	4		16.64	
9	168	12	93	8.0	184	15	92	4			
10	265	12	95	7.4	160	17	89	10			
11	192	13	93	6.7	135	10	93	6			
12											
13											
14	135	16	88	6.9	90	11	88	0			
15	212	14	93	8.5	163	6	96	10			
16	227	13	94	7.4	135	14	90	10			
17	185	14	92	7.8	98	17	83	6			
18	148	16	89	7.5	110	10	90	2	3.5		
19											
20											
21	172	2	99	4.1	76	12	84	6			
22	100	11	89	5.8	105	5	95	0			
23	100	11	93	4.8	65	11	83	6			
24	172	10	94	3.9	84	10	88	2			
25	HOLIDAY										
26											
27											
28	164	12	93	2.6	104	14	86	10			
29	164	12	93	3.0	115	10	91	0			
30	136	17	88	6.7	74	12	84	0			
31	128	17	87	6.1	88	9	90	6			
TOTAL	3927	282		142	2719	244			9.2	16.64	3.2
AVERAGE	178	13	93	6.5	124	11	91	3.51	4.6	16.64	3.2
MAXIMUM	275	17		8.5	184	17		10	5.7	16.64	3.2
MINIMUM	100	2		2.6	56	5		0	3.5	16.64	3.2
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		19		30		14	30		

INSTRUCTIONS:

1. COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.
2. HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.
3. AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.
4. SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC0063037	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2	32	4	88	0.12	78	3	96	0			
3											
4									1.6		
5											
6											
7											
8										7.10	
9	74	7	91	1.1	38	6	84	0			1.5
10											
11											
12											
13											
14											
15											
16	112	10	91	2.3	91	6	93	0			
17											
18									2.1		
19											
20											
21											
22											
23	120	7	94	0.14	107	4	96	0			
24											
25											
26											
27											
28											
29											
30	34	4		0.13	60	3	95	0			
31											
TOTAL	372	32		3.79	374	22			3.7	7.10	1.5
AVERAGE	74	6	91	0.76	75	4	94	0	1.9	7.10	1.5
MAXIMUM	120	10		1.10	107	6		0	2.1	7.10	1.5
MINIMUM	32	4		0.12	38	3		0	1.6	7.10	1.5
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

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ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC 0003239	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1	410	11	97	18.0	238	7	97	2			
2	325	15	95	18.2	249	14	94	2			
3	213	23	89	19.2	152	21	86	0			1.9
4	410	23	94	19.1	190	20	90	2	2.8		
5											
6											
7	450	54	88	20.2	226	53	77	0			
8	304	27	91	19.1	66	20	69	0		23.92	
9	300	15	95	18.8	210	14	93	0			
10	290	22	92	21.0	192	19	90	2			
11	371	23	94	17.6	186	7	96	0			
12											
13											
14	275	19	93	20.2	163	11	93	4			
15	290	29	90	17.5	192	17	93	6	2.4		
16	440	20	95	19.4	223	22	90	70			
17	410	19	95	23.1	320	22	94	2			
18	310	38	88	23.0	190	33	82	2			
19											
20											
21	340	22	94	18.5	258	20	92	0			
22	290	14	95	16.9	110	12	89	0			
23	500	18	97	17.2	265	12	95	2			
24	200	16	92	13.4	113	11	90	0			
25	HOLIDAY										
26											
27											
28	280	11	96	16.3	138	8	94	0			
29	310	18	94	12.8	180	10	94	0			
30	300	7	98	14.3	115	13	87	0			
31	324	11	97	15.6	172	10	94	0			
TOTAL	7242	415		404.9	3948	356			5.2	23.92	1.9
AVERAGE	330	19	94	18.4	179	16	91	1.75	2.6	23.92	1.9
MAXIMUM	500	54		23.1	320	53		70	2.8	23.92	1.9
MINIMUM	200	7		12.8	66	7		0	2.4	23.92	1.9
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30			30		

INSTRUCTIONS:

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ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC0063045	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1	106	9	92	0.66	90	10	89	2			
2											
3											
4									3.1		
5											
6											
7											
8	86	9	90	0.55	54	7	87	0		10.33	
9											
10											
11											
12											
13											
14											
15	124	9	93	5.2	102	10	90	0			
16											
17											
18									1.8		
19											
20											
21											
22	157	8	95	1.08	154	6	96	0			
23											
24											
25	HOLIDAY										
26											
27											
28											
29	142	8	94	0.11	147	11	93	10			
30											
31											
TOTAL	615	43		7.60	547	44			4.9	10.33	
AVERAGE	123	9	93	1.52	109	9	92	1.82	2.5	10.33	
MAXIMUM	157	9		5.20	154	11		10	3.1	10.33	
MINIMUM	86	8		0.11	54	6		0	1.8	10.33	
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

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2. HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.
3. AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.
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ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC 0063002	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1	172	14	92	4.2	84	8	90	0			
2	176	15	91	5.6	82	13	84	10			
3	156	14	91	3.3	112	14	88	0			3.8
4	176	8	95	2.9	80	10	88	0	2.7		
5											
6											
7	208	18	91	4.6	158	13	92	0			
8	216	17	92	3.6	116	7	94	0		17.28	
9	188	13	93	2.5	100	15	85	0			
10	176	12	93	7.2	108	15	86	10			
11	188	14	93	2.9	113	7	94	0			
12											
13											
14	190	12	94	2.8	95	14	85	0			
15	208	12	94	2.0	104	10	90	0	4.0		
16	192	15	92	2.9	102	10	90	0			
17	192	18	91	3.3	116	12	90	0			
18	164	18	89	5.5	102	13	87	0			
19											
20											
21	188	13	93	1.2	76	10	88	0			
22	105	17	84	6.0	44	12	72	0			
23	200	16	92	2.6	114	10	91	0			
24	204	15	93	2.8	66	10	85	0			
25	Holiday										
26											
27											
28	160	12	93	3.6	114	9	92	10			
29	212	13	94	3.4	155	9	94	0			
30	188	14	93	6.4	88	13	85	0			
31	204	11	95	5.6	144	12	92	0			
TOTAL	4063	311		84.9	2273	246			6.7	17.28	3.8
AVERAGE	185	14	92	3.9	103	11	89	1.37	8.4	17.28	3.8
MAXIMUM	216	18		7.2	158	15		10	4.0	17.28	3.8
MINIMUM	105	8		1.2	44	7		0	2.7	17.28	3.8
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:

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2. HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.
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ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC 0063053	DECEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3	87	7	92	1.0	204	4	98	845			2.5
4									3.8		
5											
6											
7											
8											
9											
10	146	9	94	0.9	94	6	94	0			
11											
12											
13											
14											
15											
16											
17	176	10	94	0.39	108	5	95	2			
18									1.1		
19											
20											
21											
22											
23											
24	84	4	95	0.12	37	2	95	0			
25											
26											
27											
28											
29											
30											
31	98	18	82	0.15	133	4	97	2			
TOTAL	591	48		2.56	576	21			4.9		2.5
AVERAGE	118	10	92	0.51	115	4	97	5.08	2.5		2.5
MAXIMUM	176	18		1.00	204	6		845	3.8		2.5
MINIMUM	84	4		0.12	37	2		0	1.1		2.5
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

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2. HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.
3. AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.
4. SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

6286/1
NREAD
22 Dec 87

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

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

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

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

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

J. I. WOOTEN

Copy to:
Lab

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

ANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC0003239	NOVEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2	400	12	97	26.2	280	7	98	0			
3	520	15	97	23.0	333	12	96	12			
4	580	20	97	20.0	408	19	95	2			
5	512	24	95	20.6	260	7	97	0			
6	590	130	78	17.6	266	11	96	0			
7											
8											
9	410	24	94	23.0	203	21	90	0			
10	385	23	94	20.6	438	27	94	0			
11	HOLIDAY										
12	LAB	ERROR		18.8	176	6	97	0		22.18	
13	493	24	95	17.5	186	7	96	0	1.8		
14											
15											
16	372	17	95	27.8	178	23	87	0			
17	285	17	94	21.0	178	19	89	0			1.5
18	347	15	96	17.5	208	6	97	0			
19	345	20	94	18.9	308	18	94	0			
20	279	19	93	17.2	168	14	92	0			
21											
22											
23	560	21	96	20.5	264	39	85	0			
24	360	8	98	19.6	163	23	86	2			
25	312	24	92	25.3	200	38	81	0	3.3		
26	HOLIDAY										
27	156	22	85	13.7	76	29	62	0			
28											
29											
30	268	12	96	15.2	130	14	85	10			
31											
TOTAL	7175	447		384	4423	340			5.1	22.18	1.5
AVERAGE	399	25	93.9	20.2	233	18	90.4	1.38	2.6	22.18	1.5
MAXIMUM	590	130		27.8	408	39		12	3.3	22.18	1.5
MINIMUM	156	8		13.7	76	6		0	1.8	22.18	1.5
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
ICBCL 11345/8 (REV. 09/87)

ANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0063002	NOVEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2	185	15	92	1.2	94	8	91	0			
3	190	12	94	2.3	108	10	91	4			
4	183	14	92	2.2	92	9	90	440			
5	188	14	93	4.1	73	12	84	0			
6	180	7	95	2.2	115	14	88	0			
7											
8											
9	220	9	96	1.9	153	10	92	2			
10	340	18	95	1.6	393	14	96	2			
11	HOLIDAY										
12	LAB	ERROR		5.8	116	10	91	0		17.74	
13	232	14	94	3.4	131	7	95	10	3.4		
14											
15											
16	176	20	89	4.8	110	13	88	0			
17	276	16	94	3.0	78	18	77	0			5.0
18	168	14	94	1.8	70	10	86	0			
19	180	14	92	1.6	120	11	91	0			
20	156	18	88	5.3	88	14	84	0			
21											
22											
23	156	15	90	6.6	164	9	95	0			
24	293	10	97	2.7	104	8	92	0			
25	188	16	91	6.3	106	16	85	2	2.6		
26	HOLIDAY										
27	196	19	90	7.3	112	13	88	4			
28											
29											
30	SAMPLE	ERROR		1.8	98	19	81	2			
31											
TOTAL	3507	245		65.9	2325	225			6.0	17.74	5.0
AVERAGE	206	14	92.7	3.5	122	12	88.7	2.08	3.0	17.74	5.0
MAXIMUM	340	20		6.6	393	18		440	3.4	17.74	5.0
MINIMUM	156	7		1.2	70	7		0	2.6	17.74	5.0
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0063011	NOVEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2	530	14	97	3.3	173	4	98	<2			
3											
4											
5											
6	520	7	99	9.2	366	12	96	0			
7											
8											
9	420	14	97	6.1	245	7	97	5			
10											
11											
12											
13	336	24	93	8.3	457	4	99	2	3.2		
14											
15											
16	840	20	98	6.1	370	1	99	0			
17											
18											
19											
20	220	28	87	8.0	130	12	91	2			
21											
22											
23	144	23	85	9.0	147	10	93	0			
24											
25									3.2		
26	Holiday										
27	154	12	92	1.6	124	6	95	2			
28											
29											
30	425	15	96	1.7	275	8	97	0			
31											
TOTAL	3589	157		53.3	2237	64			6.4		
AVERAGE	399	17	93.8	5.9	254	7	96.1	1.59	3.2		
MAXIMUM	840	28		9.2	457	12		5	3.2		
MINIMUM	144	7		1.6	124	1		0	3.2		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC 0063045	NOVEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3	305	10	97	1.1	305	12	96	0			
4											
5											
6											
7											
8											
9											
10	259	10	96	0.56	181	7	96	0			
11											
12											
13									2.6		
14											
15											
16											
17	248	11	96	0.50	189	19	90	0			1.7
18											
19											
20											
21											
22											
23									2.1		
24	64	7	89	1.5	105	7	93	0			
25											
26											
27											
28											
29											
30											
31											
TOTAL	876	38		3.66	780	45		0	4.7		1.7
AVERAGE	219	10	94.5	0.92	195	11		0	2.4		1.7
MAXIMUM	305	11		1.5	305	19		0	2.6		1.7
MINIMUM	64	7		0.5	105	7		0	2.1		1.7
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC 0063037	NOVEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2											
3											
4	93	5	95	0.48	106	2	98	2			
5											
6											
7											
8											
9											
10											
11	HOLIDAY										
12											
13									0.6		
14											
15											
16											
17											
18	78	7	91	0.30	206	6	97	0		4.71	
19											
20											
21											
22											
23									1.1		
24											
25	100	5	95	0.18	125	4	97	0			
26											
27											
28											
29											
30											
31											
TOTAL	271	17		0.96	437	12			1.7	4.71	
AVERAGE	90	6	93.7	0.32	146	4	97.3	1.26	0.9	4.71	
MAXIMUM	100	7		0.48	206	6		2	1.1	4.71	
MINIMUM	78	5		0.18	106	2		0	0.6	4.71	
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

ANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC0063029	NOVEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1											
2	124	14	89	2.0	100	9	91	8			
3	185	19	90	3.6	138	15	89	28			
4	210	22	90	4.6	150	14	91	0			
5	215	18	92	4.3	127	10	92	0			
6	200	14	93	4.1	113	10	91	0			
7											
8											
9	160	12	93	3.5	116	11	91	6			
10	232	19	92	4.7	134	14	90	6			
11	HOLIDAY										
12	LAB	ERROR		5.8	114	8	93	2		14.9	
13	276	15	95	5.4	137	6	96	2	2.9		
14											
15											
16	184	12	94	4.2	98	13	87	0	7		
17	172	10	94	4.3	130	14	89	2			3.9
18	208	11	95	4.6	118	10	92	2			
19	188	11	94	6.4	140	11	92	10			
20	180	12	93	5.6	155	9	95	2			
21											
22											
23	120	11	91	5.2	116	7	94	0			
24	168	12	93	6.7	130	8	94	10			
25	172	12	93	6.2	130	15	88	6	2.3		
26	HOLIDAY										
27	232	9	96	3.7	127	9	93	0			
28											
29											
30	148	10	93	4.5	110	11	90	6			
31											
TOTAL	3374	243		89.4	2383	204			5.2	14.9	3.9
AVERAGE	187	14	92.8	4.7	125	11.0	91.5	2.96	2.6	14.9	3.9
MAXIMUM	276	22		6.4	155	15		28	2.9	14.9	3.9
MINIMUM	120	9		2.0	98	6		0	2.3	14.9	3.9
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22		19		30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC0063053	NOVEMBER	1987

DATE	00310 5 DAY 20°C BOD INFLUENT MG/L	00310 5 DAY 20°C BOD EFFLUENT MG/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE %	31616 FECAL COLIFORM EFFLUENT MF/100 ML	00556 OIL & GREASE EFFLUENT MG/L	00600 TOTAL NITROGEN EFFLUENT MG/L	00665 TOTAL PHOSPHOROUS EFFLUENT MG/L
1											
2											
3											
4											
5	285	6	98	0.08	248	1	99	0			
6											
7											
8											
9											
10											
11											
12	LAB	ERROR		0.26	106	2	98	0		5.0	
13									1.9		
14											
15											
16											
17											
18											
19	142	7	95	0.15	118	1	99	0			
20											
21											
22											
23									1.2		
24											
25											
26	HOLIDAY										
27											
28											
29											
30											
31											
TOTAL	427	13		0.49	472	4		0	3.1	5.0	
AVERAGE	214	7	96.5	0.25	157	1	98.7	0	1.6	5.0	
MAXIMUM	285	7		0.26	248	2		0	1.9	5.0	
MINIMUM	142	6		0.08	106	1		0	1.2	5.0	
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

CHB

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

11345
MAIN

DATE: 5 December 1987

FROM: Utilities Systems General Foreman

TO: Director, NREAD
Via: Director, Utilities Branch CHB

SUBJ: RESULTS OF WASTEWATER TREATMENT COMPLIANCE MONITORING

!. The attached data is forwarded for inclusion in appropriate NPDES required reports.

B. M. FRAZELLE, II

☆U.S. GOVERNMENT PRINTING OFFICE: 1982-505-106:8483

UNITED STATES MARINE CORPS
NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:
6286/1
NREAD
23 Nov 87

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

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

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

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

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

J. I. WOOTEN

Lab

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCB 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC 0063029	OCTOBER	1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE %	FECAL COLIFORM EFFLUENT MF/100 ML	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1	180	11	94	8.0	198	18	91	2	2.8		
2	156	14	91	4.4	86	12	86	2			
3											
4											
5	224	14	94	3.7	123	12	90	2			
6	132	20	85	4.4	130	8	94	0			
7	216	19	91	5.0	136	8	94	8			
8	188	17	91	1.4	128	11	91	30			
9	216	21	90	7.3	143	11	92	20			
10											
11											
12											
13	124	11	91	2.6	126	12	90	0		14.05	
14	176	13	93	4.3	170	11	94	0			
15	164	14	92	5.1	126	9	93	0			
16	192	14	93	4.8	178	13	93	2			
17											
18											
19	252	11	96	2.7	262	15	94	16			5.1
20	208	12	94	2.5	135	10	93	0			
21	96	11	94	3.6	150	9	94	0			
22	212	14	93	4.1	162	11	93	0			
23	204	14	93	2.8	107	6	94	10			
24											
25											
26	176	19	89	2.3	148	19	87	0			
27	264	15	94	3.3	140	13	91	CL2	10.5		3.9
28	208	13	93	3.9	128	8	94	550			
29	208	14	93	4.8	132	12	91	0			
30	152	15	90	5.2	80	11	86	0			
31											
TOTAL	4048	306		85.5	2988	239			13.3	14.05	9.0
AVERAGE	193	15	92	4.1	142	11	92	3.[illegible]	6.7	14.05	4.5
MAXIMUM	264	20		8.0	262	19		550	10.5	14.05	5.1
MINIMUM	124	11		1.4	80	6		0	2.8	14.05	3.9
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22		13		30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC 0003239	OCTOBER	1987

DATE	00310 5 DAY 20°C BOD INFLUENT MG/L	00310 5 DAY 20°C BOD EFFLUENT MG/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE %	31616 FECAL COLIFORM EFFLUENT MF/100 ML	00556 OIL & GREASE EFFLUENT MG/L	00600 TOTAL NITROGEN EFFLUENT MG/L	00665 TOTAL PHOSPHOROUS EFFLUENT MG/L
1	308	10	97	21	225	12	95	0	2.3		
2	323	27	92	15	172	7	96	0			
3											
4											
5	324	27	92	16.6	243	4	98	18			
6	410	25	94	14.5	400	7	98	0			
7	295	12	96	13.1	138	6	96	0			
8	335	14	96	13.5	200	10	95	0			
9	425	22	95	15.9	273	14	95	0			
10											
11											
12											
13	370	8	98	10.2	296	8	97	0		14.84	
14	320	10	97	14.1	206	8	96	0			
15	254	13	95	11.8	183	8	96	0			
16	324	16	95	13.8	214	8	96	0			
17											
18											
19	340	9	97	15.0	116	12	90	0			1.4
20	324	25	92	16.1	185	15	92	0			
21	308	25	92	17.2	132	10	92	0			
22	457	29	94	17.4	136	3	98	2			
23	296	28	91	23.0	145	8	94	0			
24											
25											
26	345	9	97	27.4	284	9	97	0			
27	630	26	96	18.2	217	15	93	310	9.0		1.4
28	358	18	95	19.0	138	2	98	0			
29	594	21	96	17.8	335	6	98	0			
30	300	18	94	18.0	207	7	97	0			
31											
TOTAL	7645	392		348.6	4445	179			11.3	14.84	2.8
AVERAGE	364	19	94.8	16.6	212	9	96	1.74	5.7	14.84	1.4
MAXIMUM	630	29		27.4	400	15		310	9.0	14.84	1.4
MINIMUM	254	8		10.2	116	2		0	2.3	14.84	1.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

NSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0063002	OCTOBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE				00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	159	12	92	1.6	105	13	88	2	2.9		
2	164	11	93	1.3	88	10	89	14			
3											
4											
5	184	13	93	1.9	103	6	94	4			
6	164	9	95	2.0	74	2	97	20			
7	172	13	92	3.7	80	10	88	2			
8	192	12	94	4.9	106	9	92	0			
9	192	14	93	1.7	112	8	93	0			
10											
11											
12											
13	156	13	92	2.3	78	8	90	0		13.79	
14	184	14	92	2.3	144	9	94	0			
15	164	15	91	3.5	102	9	91	10			
16	168	13	92	2.3	68	9	87	10			
17											
18											
19	180	12	93	2.9	108	16	85	0			5.1
20	180	13	93	1.4	66	7	89	0			
21	204	10	95	1.9	108	6	94	0			
22	188	12	94	1.7	132	7	95	0			
23	212	14	93	1.5	135	6	96	0			
24											
25											
26	160	15	91	1.2	106	12	89	0			
27	244	18	93	4.4	102	12	88	6	5.7		4.1
28	152	27	82	3.4	80	33	59	0			
29	190	13	93	1.6	80	9	89	<2			
30	180	13	93	2.0	135	8	94	2			
31											
TOTAL	3789	286		49.5	2112	208			8.6	13.79	9.2
AVERAGE	180	14	92	2.4	101	10	90	3.22	4.3	13.79	4.6
MAXIMUM	244	27		4.9	144	33		20	5.7	13.79	5.1
MINIMUM	152	9		1.2	66	2		0	2.9	13.79	4.1
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0063011	OCTOBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1									2.3		
2	162	14	91	4.8	106	11	90	0			
3											
4											
5	198	13	93	4.0	112	7	94	0			
6											
7											
8											
9	204	23	89	4.1	121	9	93	32			
10											
11											
12											
13											
14											
15											
16	340	21	94	5.9	428	8	98	0		15.04	
17											
18											
19	245	13	95	3.3	251	14	94	0			4.7
20											
21											
22											
23	236	19	92	7.2	180	9	95	0			
24											
25											
26	530	17	97	3.8	268	12	92	0			
27									2.3		
28											
29											
30	172	23	87	9.7	50	5	90	228			
31											
TOTAL	2087	143		42.8	1516	75			4.6	15.04	4.7
AVERAGE	261	18	93	5.4	190	9	95	3.04	2.3	15.04	4.7
MAXIMUM	530	23		9.7	428	12		228	2.3	15.04	4.7
MINIMUM	162	13		3.3	50	5		0	2.3	15.04	4.7
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE 1

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC 0063053	OCTOBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
DATE	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MG/L	INFLUENT MG/L	EFFLUENT MG/L	%	EFFLUENT MF/100 ML	EFFLUENT MG/L	EFFLUENT MG/L	EFFLUENT MG/L
1	136	5	96	0.19	63	5	95	0			
2									0.7		
3											
4											
5											
6											
7											
8	96	6	94	0.19	73	3	96	0			
9											
10											
11											
12											
13											
14											
15	138	6	96	0.13	40	2	95	0			
16											
17											
18											
19											
20											
21											
22	96	4	96	0.18	84	3	90	0			
23											
24											
25											
26											
27											
28									3.9		
29	92	6	93	0.28	96	1	0	0			
30											
31											
TOTAL	558	27		0.97	356	14			4.6		
AVERAGE	112	5		0.19	71	3	96	0	2.3		
MAXIMUM	138	6		0.28	96	5		0	3.9		
MINIMUM	92	4		0.13	40	1		0	0.7		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC 0063045	OCTOBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1									0.9		
2											
3											
4											
5											
6	106	6	94	0.17	82	2	97	0			
7											
8											
9											
10											
11											
12											
13	108	3	97	0.15	93	2	98	0		7.61	
14											
15											
16											
17											
18											
19											
20	58	10	83	0.41	33	9	73	0			
21											
22											
23											
24											
25											
26											
27	198	11	94	0.44	97	11	87	0	2.6		1.8
28											
29											
30											
31											
TOTAL	470	30		1.17	305	24		0	3.5	7.61	1.8
AVERAGE	118	8	93	0.29	76	6	92	0	1.8	7.61	1.8
MAXIMUM	198	11		0.44	97	11		0	2.6	7.61	1.8
MINIMUM	58	3		0.15	33	2		0	0.9	7.61	1.8
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

NOLOSURE 1

ENVIRONMENTAL CHEMISTRY & MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 09/87)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC 0063037	OCTOBER	1987

DATE	00310 5 DAY 20°C BOD INFLUENT MG/L	00310 5 DAY 20°C BOD EFFLUENT MG/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT MG/L	00530 TOTAL SUSPENDED RESIDUE %	31616 FECAL COLIFORM EFFLUENT MF/100 ML	00556 OIL & GREASE EFFLUENT MG/L	00600 TOTAL NITROGEN EFFLUENT MG/L	00665 TOTAL PHOSPHOROUS EFFLUENT MG/L
1								"	0.9		
2											
3											
4											
5											
6											
7	48	5	90	0.21	77	2	97	0			
8											
9											
10											
11											
12											
13											
14	44	4	91	0.07	74	4	95	0			
15											
16											
17											
18											
19											
20											
21	60	5	92	0.12	30	1	97	0			
22											
23											
24											
25											
26											
27									3.1		
28	82	5	94	0.12	26	2	92	0			
29											
30											
31											
TOTAL	234	19		0.52	207	9			4.0		
AVERAGE	59	5	92	0.13	52	2		0	2.0		
MAXIMUM	82	5		0.21	77	4		0	3.1		
MINIMUM	44	4		0.07	26	1		0	0.9		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		14	30		

INSTRUCTIONS:

COMPLETE THIS FORM IN INK, NEATLY AND CLEARLY OR IT WILL BE TYPED.

HEAD THE FORM WITH PLANT NAME, PERMIT NUMBER, MONTH & YEAR. INDICATE TOTAL OR FECAL IN COLIFORM HEADING. ADD THE APPROPRIATE MONTHLY LIMITS AT THE BOTTOM.

AT THE END OF THE MONTH, CALCULATE TOTALS, AVERAGES, MAXIMUMS AND MINIMUMS.

SUBMIT COMPLETED FORMS TO LABORATORY SUPERVISOR BY THE 10TH OF THE FOLLOWING MONTH.

ENCLOSURE (1)

UNITED STATES MARINE CORPS
NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:
6286/1
NREAD
26 Oct 87

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

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

Encl: (1) Monthly Report of Wastewater 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 generated by the Environmental Chemistry and Microbiology Laboratory and contract laboratories for the seven wastewater treatment plants aboard the Camp Lejeune complex for the month of September 1987.

2. Questions regarding the enclosure should be forwarded to the Supervisory Chemist, Environemntal Chemistry and Microbiology Section, Natural Resources and Environmental Affairs Division, extension 5977.

J. I. WOOTEN

BCC:
Lab (2)

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC 0063037	SEPTEMBER	1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE %	COLIFORM EFFLUENT MF/100 ML	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2	LAB ERROR			0.6	172	4	98	0			
3											
4											
5											
6											
7	HOLIDAY	—	—	—	—	—	—	—			
8									0.1		
9	26	4	85		256	7	97	0			0.8
10				0.02							
11											
12											
13											
14											
15											
16	40	4	90		96	2	98	0			
17				0.12							
18											
19											
20											
21											
22											
23	58	3	95	0.07	48	3	94	0			
24											
25											
26											
27											
28									1.0		
29											
30	44	5	89	0.10	30	6	80	2			
31											
TOTAL	168	16		.37	602	22			1.1		0.8
AVERAGE	42	4	90	0.07	120	4	97	1.14	0.6		0.8
MAXIMUM	58	5		0.12	256	7		2	1.0		0.8
MINIMUM	26	3		0.06	48	2		0	0.1		0.8
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	N.C. 0063053	SEPTEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	200	4	98	0.15	84	2	98	0			
4											
5											
6											
7	HOLIDAY										
8									1.4		
9											
10	218	6	97	0.20	103	4	96	0			
11											
12											
13											
14											
15											
16											
17	94	4	96	0.21	88	4	95	0			
18											
19											
20											
21											
22											
23											
24	192	7	96	0.13	72	4	94	0			
25											
26											
27											
28									1.3		
29											
30											
31											
TOTAL	704	21		0.69	347	14					
AVERAGE	176	5	97	0.17	87	3	96	0			
MAXIMUM	218	7		0.21	103	4		0			
MINIMUM	94	4		0.13	72	2		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC0063045	SEPTEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	LAB ERROR			1.1	40	6	85	0			
2											
3											
4											
5											
6											
7	HOLIDAY	—	—	—	—	—	—	—			
8	80	4	95		76	5	93	0	0.0		
9				0.06							
10											
11											
12											
13											
14											
15	240	4	98	0.09	124	2	98	0			
16											
17											
18											
19											
20											
21											
22	46	3	93	0.10	44	3	93	0			1.4
23											
24											
25											
26											
27											
28									0.5		
29	108	6	94	0.22	40	6	85	0			
30											
31											
TOTAL	474	17		1.57	324	22			0.5		1.4
AVERAGE	118	4	97	0.31	65	4	94	0	0.3		1.4
MAXIMUM	240	6		1.1	124	6		0	0.5		1.4
MINIMUM	46	3		0.6	40	2		0	0.0		1.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

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

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC-0063011	SEPTEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4	332	14	96	3.2	430	8	98	0			
5											
6											
7	HOLIDAY	—	—	—	—	—	—	—	—		
8											
9											
10											
11	225	4	98	3.1	260	6	98	0	1.6	9.8	
12											
13											
14	296	7	98	2.4	353	2	99	0			
15											
16											
17											
18	300	4	99	2.6	212	6	97	0			
19											
20											
21	403	8	98	2.2	153	5	97	0			
22											
23											
24											
25	255	12	95	3.1	280	4	99	0			
26											
27											
28	182	13	93	8.8	89	3	97	0	3.1		
29											
30											
31											
TOTAL	1993	62		25.4	1787	34			4.7	9.8	
AVERAGE	285	9	97	3.6	255	5	98	0	2.4	9.8	
MAXIMUM	403	14		8.8	430	8		0	3.1	9.8	
MINIMUM	182	4		2.2	99	2		0	1.6	9.8	
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC-0063002	SEPTEMBER	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	LAB	ERROR		1.2	142	7	95	0			
2	LAB	ERROR		2.6	136	15	90	140			
3	204	11	95	1.1	106	10	91	6			
4	160	12	93	1.2	96	11	89	10			
5											
6											
7	HOLIDAY										
8	136	9	93	1.2	94	6	94	14			
9	144	8	94	1.1	78	9	88	20			4.4
10	164	4	98	1.4	84	11	87	50		14.74	
11	205	9	96	4.2	124	11	91	0	1.2		
12											
13											
14	140	9	94	2.3	66	5	92	0			
15	152	8	95	2.3	80	5	94	0			
16	272	8	97	1.2	102	2	98	0			
17	208	10	95	1.0	235	10	96	0			
18	168	4	98	2.2	86	12	86	0			
19											
20											
21	248	12	95	1.8	255	9	96	0			
22	156	10	94	3.8	140	10	93	0			6.3
23	180	10	94	1.4	113	10	91	0			
24	164	7	96	0.8	268	7	97	0			
25	172	11	94	1.4	96	7	93	0			
26											
27											
28	172	14	92	1.1	123	7	94	0	2.6		
29	168	12	93	4.3	78	8	90	0			
30	164	13	92	1.5	88	9	90	0			
31											
TOTAL	3377	181		39.1	2590	181			3.8	14.74	10.7
AVERAGE	178	9	95	1.9	123	9	93	2.42	1.9	14.74	5.4
MAXIMUM	272	14		4.3	268	15		140	2.6	14.74	6.3
MINIMUM	136	4		0.8	66	2		0	1.2	14.74	4.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBO 11345/8 (REV. 9-86)

PLANT: CAMP GEIGER | NPDES PERMIT NO. | MONTH: SEPTEMBER | YEAR: 1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	LAB	ERROR		9.8	292	7	98	820			
2	LAB	ERROR		9.4	220	10	95	36	56.11		
3	315	10	97	15.6	172	10	94	4			
4	176	7	96	13.5	166	6	96	84			
5											
6											
7	HOLIDAY										
8	216	5	98	3.6	128	4	97	12	1.0		
9	200	5	98	5.8	145	7	95	0			1.1
10	316	1	99	8.3	273	6	98	0		10.9	
11	280	9	97	9.2	459	8	99	0			
12											
13											
14	228	4	98	9.1	137	3	98	0			
15	174	2	99	6.5	148	2	99	0			
16	284	4	99	9.4	218	1	99	0			
17	204	6	97	11.6	150	9	94	0			
18	288	8	97	11.8	170	6	96	0			
19											
20											
21	212	6	97	7.8	158	2	99	0			
22	280	6	98	11.0	235	12	95	2			1.1
23	296	8	97	11.0	178	12	93	0			
24	188	11	94	10.2	113	9	92	0			
25	284	17	94	10.5	175	13	93	0			
26											
27											
28	296	10	96	4.3	93	2	98	0	5.7		
29	244	13	95	10.0	75	13	83	0			
30	309	10	97	12.5	209	7	97	0			
31											
TOTAL	4790	142		200.9	3913	149			6.7	10.9	2.2
AVERAGE	252	7	97	9.6	186	7	96	2.51	3.4	10.9	1.1
MAXIMUM	309	17		15.6	459	13		820	5.7	10.9	1.1
MINIMUM	174	1		3.6	75	1		0	1.0	10.9	1.1
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

INSTRUCTIONS:
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2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC-0063029	SEPTEMBER	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	LAB	ERROR		3.2	108	8	93	0			
2	LAB	ERROR		3.3	116	7	94	0			
3	196	11	94	3.5	144	10	93	2			
4	156	11	93	2.8	124	8	94	0			
5											
6											
7	HOLIDAY										
8	112	9	92	0.9	160	12	93	0			
9	208	5	98	2.9	148	8	95	0			3.9
10	180	9	95	3.2	106	11	90	2		19.4	
11	172	9	95	3.2	90	8	91	0	0.5		
12											
13											
14	188	10	95	1.5	190	9	95	0			
15	164	9	95	1.8	450	7.9	99	0			
16	136	7	95	2.6	191	6	97	0			
17	196	8	96	3.9	570	12	98	0			
18	196	5	97	2.7	144	11	92	0 (1:11)			
19											
20											
21	160	9	94	1.8	73	8	89	0			
22	148	15	90	3.6	110	10	91	4			
23	160	16	91	4.4	108	12	89	2			3.9
24	140	21	85	4.7	148	13	92	10			
25	130	15	88	5.0	68	8	88	1			
26											
27											
28	156	11	93	2.3	135	10	93	0	2.9		
29	256	12	95	4.7	178	14	92	4			
30	164	10	94	5.5	~~385~~	9	89	0			
31											
TOTAL	3218	202		67.5	3446	200			3.4	19.4	7.8
AVERAGE	169	11	93	3.2	164	~~75~~	94	1.41	1.7	19.4	3.9
MAXIMUM	256	21		5.5	450	14		10	2.9	19.4	3.9
MINIMUM	112	5		0.9	68	6		0	0.5	19.4	3.9
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22		13		30		14	30		

INSTRUCTIONS:

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6286/1
~~NREAD~~
21 Sep 87

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

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

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

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

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

J. I. WOOTEN

Blind copy to:
EC&MS (2)

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MC3CL 11245/8 (REV. 9-86)

PLANT: HADNOT POINT | NPDES PERMIT NO.: NC0063029 | MONTH: Aug | YEAR: 1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 %	31616 FECAL COLIFORM EFFLUENT MF/100 ML	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2											
3	196	9	95	0.9	100	9	91	0			
4	168	8	95	3.7	205	15	93	2			
5	208	9	96	4.6	110	14	87	0	2.2		
6	236	10	96	4.1	128	12	91	16			
7	208	10	95	4.4	125	10	92	0			
8											
9											
10	176	12	93	3.2	118	15	87	2			
11	280	13	95	3.6	202	10	95	0			
12	176	18	90	3.6	163	11	93	0		1270	4.1
13	216	23	89	4.0	118	12	95	2			
14	172	12	93	5.2	103	9	91	2			
15				[redacted]							
16				[redacted]							
17	196	11	94	2.5	104	6	94	2			
18	208	9	96	3.5	153	12	92	0			
19	160	9	94	2.5	146	10	93	0			
20	148	14	91	4.3	160	11	93	0			
21	172	10	94	4.6	170	7	96	0			
22											
23											
24	132	9	93	1.8	100	11	89	2	3.0		
25	136	10	93	3.9	60	6	90	0			
26	136	12	91	3.6	78	11	86	0			
27	128	11	91	3.6	60	11	82	0			
28	164	12	93	3.2	92	11	87	2			
29				[redacted]							
30											
31	160	10	94	2.1	114	10	91	0			
TOTAL	3776	241		72.9	2579	223		—	5.2	12.70	4.1
AVERAGE	180	11		3.5	124	11	91	1.44	2.6	~~2.70~~	4.1
MAXIMUM	280	23		5.2	205	15		16	3.0	12.70	4.1
MINIMUM	128	8		0.9	60	6		0	2.2	12.70	4.1
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

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ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT: CAMP GEIGER | NPDES PERMIT NO. NC0003239 | MONTH: AUG | YEAR: 1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 %	COLIFORM EFFLUENT MF/100 ml	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2											
3	172	7	96	15.1	80	7	91	0			
4	410	16	96	14.1	193	13	93	20	LA*		
5	367	16	96	16.0	178	14	92	62			
6	497	14	97	9.8	238	15	94	0			
7	336	12	96	10.8	212	6	97	8			
8											
9											
10	204	7	97	8.1	153	6	96	10			
11	247	10	96	6.6	168	6	96	0			
12	200	3	97	2.1	124	3	98	30		10.63	.50
13	284	9	97	7.3	132	4	97	0			
14	200	6	97	8.7	154	4	97	2			
15											
16											
17	200	10	95	7.6	153	10	93	0			
18	268	6	98	7.8	106	5	95	0	1.5		
19	156	5	97	6.4	96	4	96	0			
20	164	4	98	4.7	116	1	99	0			
21	204	9	96	8.3	100	5	95	2			
22											
23											
24	293	4	99	7.5	235	30	87	10			
25	295	8	97	7.3	143	8	94	0	1.4		0.07
26	210	6	97	8.3	115	5	96	2			
27	270	6	98	7.8	123	4	97	0			
28	272	14	95	9.3	133	7	95	14			
29											
30											
31	264	10	97	14.2	178	6	96	0		10.63	.057
TOTAL	5503	182		187.8	3130	163		—	2.9	10.63	.029
AVERAGE	262	9		9.0	149	8.5	95	2.55	1.5	10.63	.50
MAXIMUM	410	16		16.0	238	30			1.5	10.63	0.07
MINIMUM	156	3		2.1	80				1.4		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

KAB ACCDEAT.

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

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0063062	AUG	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			31616 FECAL COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	192	13	93	0.7	145	16	89	2			
4	208	9	96	1.4	76	5	93	0	1.7		
5	180	8	96	2.5	95	8	92	2			
6	192	9	96	1.0	75	11	85	2			
7	192	12	94	1.0	148	6	96	10			
8											
9											
10	200	9	95	2.0	108	8	93	0			
11	187	12	94	1.5	76	8	89	12			
12	172	7	96	6.9	92	6	93	0		16.35	5.2
13	264	7	97	1.6	294	8	97	0			
14	250	10	96	1.6	90	8	91	0			
15											
16											
17	148	6	96	1.8	365	10	97	6			
18	164	9	95	1.7	100	8	92	0	1.1		
19	184	9	95	1.4	110	8	93	0			
20	156	12	91	2.0	98	11	89	0			
21	200	10	96	1.3	99	6	94	0			
22											
23											
24	176	9	95	1.2	83	10	89	10			
25	194	11	94	3.1	85	6	93	2			
26	144	10	93	2.0	75	9	88	2			
27	156	8	95	0.9	85	12	84	0			
28	180	11	94	1.0	85	10	88	0			
29											
30											
31	168	10	94	1.2	86	10	88	0			
TOTAL	3901	201		37.8	2449	164		–	2.8	16.35	5.2
AVERAGE	186	10		1.8	115	9	92	1.61	1.4	16.35	5.2
MAXIMUM	264	13		6.9	355	16			1.7	16.35	5.2
MINIMUM	148	6		0.7	75	5			1.1	16.35	5.2
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

INSTRUCTIONS:
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3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

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

PLANT CAMP JOHNSON (monitoring point) | NPDES PERMIT NO. NC0063011 | MONTH Aug | YEAR 1986

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 %	COLIFORM EFFLUENT MF/100 ml	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2											
3	346	13	96	4.9	304	2	99	2			
4									0.1		
5											
6											
7	272	17	94	5.5	178	6	97	0			
8											
9											
10	496	15	97	3.1	229	6	97	6			
11											
12											
13											
14	204	12	94	5.9	102	9	91	0			
15											
16											
17	180	5	97	3.0	178	6	97	0			
18									0.7		
19											
20											
21	323	11	97	5.1	407	6	99	0			
22											
23											
24	229	6	97	3.4	115	6	96	0			
25											
26											
27											
28	150	13	91	2.3	118	7	94	0			
29											
30											
31	130	12	91	2.1	175	10	94	0	0.8		
TOTAL	2330	104		39.9	1806	58			0.4		
AVERAGE	259	12	95	3.9	201	6	97	1.36	0.7		
MAXIMUM	496	17		5.9	407	10		6	0.8		
MINIMUM	130	5		2.3	102	2		0	0.1		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
Monthly Limit						30			30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
Courthouse Bay	NC0063045	Aug	1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE %	COLIFORM EFFLUENT MF/100 ml	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2											
3	Sample Error				Sample error						
4				0.28				0	1.4		
5											
6											
7											
8											
9											
10											
11	136	8	94	0.10	56	5	91	0	2.7		
12											
13											
14											
15											
16											
17											
18	132	4	97	.15	83	5	94	0			
19											
20											
21											
22											
23											
24											
25	76	6	92	0.11	28	4	86	0			
26											
27											
28											
29											
30											
31											
TOTAL	379	18		0.64	167	14			4.1		
AVERAGE	126	6		0.16	56	5	91	0	2.1		
Maximum	136	8		.15	83	5		0	2.7		
Minimum	76	4		0.10	28	4		0	1.4		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENVIRONMENTAL CHEMISTRY + MICROBIOLOGY LABORATORY REPORT
MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCGCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
Rifle Range	NC0063037	August	1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE %	COLIFORM EFFLUENT MF/100 ML	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2											
3											
4									0.2		
5	62	3	95	0.18	41	3	93	0			
6											
7											
8											
9											
10											
11											
12	50	4	92	0.06	138	3	98	0		5.26	1.4
13											
14											
15											
16				[redacted]							
17											
18									0.5		
19	64	1	98	0.09	77	4	95	0			
20											
21											
22											
23											
24											
25											
26	52	4	92	0.10	63	5	92	0			
27											
28											
29											
30											
31											
TOTAL	228	12		14.39	319	15			0.7	5.26	1.4
AVERAGE	57	3	95	1.0	80	4	95	0	0.35	5.26	1.4
MAXIMUM	64	4		0.15	138	5		0	0.5	5.26	1.4
MINIMUM	50	1		0.06	41	3		0	0.2	5.26	1.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

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

PLANT	NPDES PERMIT NO.	MONTH	YEAR
Onslow Beach	NC0063053	Aug	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6	164	14	91	2.0	74	8	89	0	8.4		
7											
8											
9											
10											
11									2.7		
12											
13	251	10	96	1.5	173	10	94	0		6.55	
14											
15											
16											
17											
18											
19											
20	87	7	92	0.08	131	8	94	0			
21											
22											
23											
24											
25											
26											
27	216	4	98	0.29	59	4	93	0			
28											
29											
30											
31											
TOTAL	718	35		3.85	437	30			11.1	6.55	
AVERAGE	180	9	95	1.00	109	8	93	0	5.6	6.55	
MAXIMUM	251	14		2.0	173	10		0	8.4	6.55	
MINIMUM	87	4		0.08	59	4		0	2.7	6.55	
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

DOO

OPNAV 5216/144A (Rev. 8-81)
S/N 0107-LF-052-2320

DEPARTMENT OF THE NAVY

Memorandum

11345.4
MAIN

DATE: 15 July 1987

FROM: Utilities Systems General Foreman

TO: Director, Natural Resources and Environmental Affairs
Via: Director, Utilities Branch DB

SUBJ: RESULTS OF WASTEWATER TREATMENT COMPLIANCE MONITORING

Ref: (a) Your ltr 6286/1 of 13 July 1987

1. Per the reference, the following data concerning violation of Disolved Oxygen Permits Limits (Weekly) at the Hadnot Point Wastewater Plant is provided.

a. A new trickling filter return effluent pump was installed on 9 June 1987. Since the pump installion, the D.O. has averaged 5.6 mg/l.

2. If we could be of any further assistance, please contact us at your earliest convenience.

B. M. FRAZELLE, II

☆U.S. GOVERNMENT PRINTING OFFICE: 1982-505-106:8483

UNITED STATES MARINE CORPS
NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:
6286/1
NREAD
13 Jul 87

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

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

Encl: (1) Monthly Report of Waste Treatment Plant Water Quality
(2) Violations of Camp Geiger's Proposed NPDES Limits

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

2. The wastewater treatment compliance monitoring data for the month of June 1987, provided by your office, shows that the Hadnot Point Wastewater Treatment Plant did not meet the weekly minimum average for Dissolved Oxygen of 5.0 mg/l. The weekly averages for 1-6 June 1987, were 4.0 mg/l. Natural Resources will need a letter explaining the violation by 17 July 1987 for inclusion in the monthly report.

3. The Camp Geiger Wastewater Treatment Plant still operates under a 1980 permit. Based on the proposed limits, enclosure (2) lists the violations Camp Geiger would have for June 1987 if a new permit were issued. The new permit is suppose to contain a compliance schedule for Ammonia (NH3) that would eliminate the NH3 limits once a diffuser was installed.

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

J. I. WOOTEN

Blind copy to:
EC&M Lab

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT STP	NC0063029	JUNE	1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 %	COLIFORM EFFLUENT MF/100 ML	00556 OIL & GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHOROUS EFFLUENT mg/L
1	188	18	90	3.6	104	15	86	0			
2	172	27	84	5.5	128	15	88	70			
3	184	27	85	5.7	76	13	83	2			
4	216	28	87	4.3	86	17	80	0	2.0		
5	230	24	90	4.2	146	19	87	0			
6											
7											
8	204	18	91	4.1	112	15	87	10			5.1
9	224	25	89	6.0	132	12	91	0			
10	184	19	90	4.0	120	6	95	0			
11	136	17	88	5.1	66	13	80	0			
12	200	6	97	4.9	212	14	93	0			
13											
14											
15	164	10	94	3.2	124	5	96	0			
16	140	13	91	4.8	130	7	95	0		11.83	4.7
17	192	15	92	6.4	140	7	95	0			
18	196	7	96	5.1	98	11	89	2			
19	160	17	89	4.8	92	10	89	0			
20											
21											
22	124	17	86	2.7	108	15	86	0			
23	204	13	94	2.9	218	9	95	0			
24	164	11	93	4.5	154	15	90	0			5.9
25	200	12	94	3.5	92	10	89	0	0		
26	168	11	93	4.8	113	8	93	0			
27											
28											
29	184	12	93	3.4	142	12	92	0			
30	160	12	93	3.6	118	10	91	0			
31											
TOTAL	3994	359		97.1	2711	258			2.0	11.83	15.7
AVERAGE	182	16	91	4.4	123	12	90	1.43	1.	11.83	5.2
MAXIMUM	230	28		6.4	212	19		70	2	11.83	5.9
MINIMUM	124	6		2.7	66	5		0	0	11.83	4.7
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22		13		30		14	30		

INSTRUCTIONS:
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ENCLOSURE III

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER STP	NC0003239	JUNE	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	250	7	97	11.8	176	4	98	0			
2	308	10	97	11.4	173	2	99	0			
3	265	10	96	13.1	193	4	98	0			
4	390	12	97	12.6	340	5	98	2			
5	295	12	96	15.3	217	10	95	0			
6											
7											
8	308	21	93	26.9	237	15	94	6	3.4		5.6
9	405	18	96	19.3	252	14	94	0			
10	275	21	92	16.9	173	15	91	0			
11	245	17	93	14.2	166	10	94	0			
12	284	4	99	13.2	190	16	92	0			
13											
14											
15	296	14	95	13.9	153	2	99	0			
16	324	19	94	16.2	314	4	99	0		18.43	1.6
17	224	15	93	11.8	156	5	97	2			
18	316	3	99	13.7	183	4	98	0			
19	284	18	94	12.0	242	8	97	0			
20											
21											
22	332	18	95	11.9	206	12	94	0			
23	260	18	93	9.4	316	4	99	0			
24	200	8	96	10.6	174	6	96	0			0.8
25	216	7	97	9.9	76	3	96	0	0		
26	410	8	98	11.3	283	3	99	0			
27											
28											
29	235	9	96	14.4	150	7	95	0			
30	250	11	96	10.6	134	4	97	0			
31											
TOTAL	6372	280		300.4	4504	157			3.4	18.43	8.0
AVERAGE	290	13	96	13.7	205	7	97	1.16	1.7	18.43	2.7
MAXIMUM	410	21		26.9	340	15		6	3.4	18.43	5.6
MINIMUM	200	3		9.4	76	3		0	0	18.43	0.8
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		200	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
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3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE STP	NC0063002	JUNE	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	216	14	94	1.8	216	8	96	0			
2	196	10	95	6.0	86	7	92	0			
3	196	11	94	3.6	86	5	94	0	1.4		
4	204	12	94	1.8	134	6	96	0			
5	255	10	96	1.9	174	7	96	0			
6											
7											
8	208	12	94	2.1	124	9	93	0			5.1
9	176	13	93	3.8	96	7	93	0			
10	184	16	91	3.4	118	10	92	0			
11	188	11	94	2.7	116	6	95	0			
12	124	2	98	2.4	78	14	82	0			
13											
14											
15	180	10	94	1.7	106	6	94	12			
16	160	12	93	3.6	96	4	96	0		14.41	5.4
17	100	10	90	2.3	92	8	91	2			
18	204	7	97	1.9	110	8	93	0			
19	256	10	96	1.5	358	8	98	0			
20											
21											
22	208	12	94	1.1	132	11	92	0			
23	148	12	92	1.7	126	8	94	0			
24	176	14	92	2.9	180	11	94	0			4.3
25	184	11	94	1.5	108	8	93	0	0		
26	184	11	94	3.6	88	12	86	0			
27											
28											
29	152	11	93	1.5	122	12	90	0			
30	164	9	95	1.5	90	10	89	0			
31											
TOTAL	4063	240		54.3	2836	185			1.4	14.41	14.8
AVERAGE	185	11	94	2.5	129	8	94	1.16	0.7	14.41	4.9
MAXIMUM	256	16		6.0	358	14		12	1.4	14.41	5.4
MINIMUM	100	2		1.1	78	4		0	0	14.41	4.3
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		1000	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC 00 63011	JUNE	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	188	7	97	1.1	120	3	98	0			
2											
3									5.3		
4											
5	573	19	97	3.3	344	8	87	0			
6											
7											
8	324	14	96	1.4	122	6	95	0			2.2
9											
10											
11											
12	276	1	99	3.2	108	11	90	0			
13											
14											
15	200	16	92	5.0	202	6	97	0			
16											
17											
18											
19	324	11	97	6.7	441	5	99	2			
20											
21											
22	345	18	95	2.1	313	6	98	0			
23											
24											
25									0		
26	184	12	93	3.0	182	3	98	0			
27											
28											
29	135	10	93	2.0	102	4	96	0			
30											
31											
TOTAL	2549	108		27.8	1934	53			5.3		2.2
AVERAGE	283	12	96	3.1	215	6	97	1.08	2.7		2.2
MAXIMUM	573	19		6.7	441	11		2	5.3		2.2
MINIMUM	135	1		1.1	102	3		0	0		2.2
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		1000	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MDBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY STP	NC0063045	JUNE	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	80	7	91	0.38	48	7	85	2			
3											
4											
5											
6											
7											
8									0		
9	132	10	92	0.27	62	6	90	0			
10											
11											
12											
13											
14											
15											
16	148	10	93	0.57	166	7	96	10		7.83	1.6
17											
18											
19											
20											
21											
22											
23	220	5	98	0.37	136	3	98	560			
24											
25									0.4		
26											
27											
28											
29											
30	68	6	91	0.16	46	1	98	0			
31											
TOTAL	648	38		1.75	458	24			0.4	7.83	1.6
AVERAGE	130	8	94	0.35	92	5	95	6.45	0.2	7.83	1.6
MAXIMUM	220	10		0.57	166	7		560	0.4	7.83	1.6
MINIMUM	68	5		0.27	48	1		0	0	7.83	1.6
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE STP	NC 0063037	JUNE	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHOROUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4	40	4	90	0.31	136	1	99	0			
5											
6											
7											
8									0		
9											
10	68	6	94	0.14	70	4	94	0			
11											
12											
13											
14											
15											
16											
17	44	4	91	0.15	76	1	99	0		5.94	
18											
19											
20											
21											
22											
23											
24	60	5	92	0.31	200	2	99	0			1.5
25									0		
26											
27											
28											
29											
30											
31											
TOTAL	212	19		0.91	482	8			0	5.94	1.5
AVERAGE	53	5	91	0.23	121	2	98	0	0	5.94	1.5
MAXIMUM	68	6		0.31	200	4		0	0	5.94	1.5
MINIMUM	40	4		0.14	70	1		0	0	5.94	1.5
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY

(NC Reg. 15A NCAC 2H.0506)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH STP	NC00 63053	JUNE	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4	268	8	97	0.26	346	4	99	SEE IN BACT. SUMMARY	0.2		
5											
6											
7											
8											
9											
10											
11	180	11	94	0.37	264	6	98	0	0		
12											
13											
14											
15											
16											
17											
18	164	6	96	0.48	156	5	97	26			
19											
20											
21											
22											
23											
24											
25	184	6	97	0.22	232	2	99	0	0		
26											
27											
28											
29											
30											
31											
TOTAL	796	31		1.33	998	17			0.20		
AVERAGE	199	8	96	0.33	250	4	98	2.96	0.07		
MAXIMUM	268	11		0.48	346	6		26	0.20		
MINIMUM	164	6		0.22	156	2		0	0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

Violations of Camp Geiger's Proposed NPDES limits

Parameter	Limit	Date	Value
Biochemical Oxygen Demand - Weekly	15 mg/l	7-13 Jun 87	16.2 mg/l
Biochemical Oxygen Demand - Monthly	10 mg/l	Jun 87	13.0 mg/l
Ammonia - Weekly	4.5 mg/l	1-6 Jun 87	12.8 mg/l
Ammonia - Weekly	4.5 mg/l	7-13 Jun 87	18.1 mg/l
Ammonia - Weekly	4.5 mg/l	14-20 Jun 87	13.5 mg/l
Ammonia - Weekly	4.5 mg/l	21-27 Jun 87	10.6 mg/l
Ammonia - Weekly	4.5 mg/l	28-30 Jun 87	12.5 mg/l
Ammonia - Monthly	3.0 mg/l	Jun 87	13.7 mg/l
Phosphorus - Monthly	2.0 mg/l	Jun 87	2.7 mg/l

6286/1
NREAD
10 Jun 87

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

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

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

1. It is requested that the enclosure be routed to the Utilities Systems General Foreman. The enclosure summarizes the subject data generated by the Environmental Chemistry and Microbiology Laboratory and contract laboratories for the seven wastewater treatment plants aboard the Camp Lejeune complex for the month of 1-31 May 1987.

2. The wastewater treatment compliance monitoring data for the month of May 1987, provided by your office, shows that the Hadnot Point Wastewater Treatment Plant did not meet the weekly minimum average for Dissolved Oxygen of 5.0 mg/l. The weekly averages for 17-23 May 1987, 24-30 May 1987, and 31 May 1987, were 4.4 mg/l, 4.2 mg/l, and 3.8 mg/l respectively. Natural Resources will need a letter explaining these violations by 18 June 1987 for inclusion in the monthly report.

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

J. I. WOOTEN

Blind copy to:
EC&MS (2)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC000 3239	MAY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	340	23	93	14.9	174	23	87	0			
2											
3											
4	250	14	94	20.8	238	5	98	0			
5	296	15	95	15.6	144	8	94	0	1.3		1.4
6	320	10	97	13.7	190	8	96	0			
7	256	15	94	14.3	190	7	96	0			
8	256	16	94	10.6	142	7	95	0			
9											
10											
11	305	12	96	18.1	194	8	96	0			
12	204	22	89	13.5	132	11	92	0			
13	280	17	94	13.3	206	10	95	0			
14	296	15	95	12.6	162	12	93	0			
15	224	20	91	12.9	206	16	92	10			
16											
17											
18	200	2	99	10.7	168	2	99	0			
19	235	14	94	10.6	182	9	95	0			
20	310	12	96	12.7	210	13	94	0			1.1
21	375	12	97	15.8	210	5	98	0			
22	344	12	97	13.5	232	7	97	0			
23											
24											
25	HOLIDAY	→									
26	324	8	97	9.2	203	3	99	0	LAB ACCIDENT		
27	276	19	93	11.2	214	8	92	0			
28	228	13	94	12.2	116	7	94	0			1.2
29	320	12	96	13.1	123	8	93	0		11.49	
30											
31											
TOTAL	5639	283		269.3	3636	177			1.3	11.49	3.7
AVERAGE	282	14	95	13	182	9	95	1.12 GM	1.3	11.49	1.2
MAXIMUM	375	23		20.8	238	23		10	1.3	11.49	1.4
MINIMUM	200	2		9.2	116	3		0	1.3	11.49	1.1
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA, TERRACE	NC0063002	MAY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	212	9	96	2.4	134	10	93	4			
2											
3											
4	184	13	93	3.4	102	12	88	2			
5	236	12	95	1.9	168	13	92	0			6.6
6	220	12	95	2.6	96	5	95	0			
7	284	12	96	9.0	446	11	98	0			
8	184	15	92	3.4	120	15	88	0			
9											
10											
11	192	12	94	3.4	124	12	90	0			
12	208	12	94	2.7	134	7	95	0			
13	228	8	96	2.6	102	7	93	0			
14	180	10	94	6.5	112	13	88	4			
15	260	8	97	3.1	193	13	93	0			
16											
17											
18	345	10	97	2.3	350	2	99	0			
19	220	12	95	2.1	164	4	98	2			
20	212	12	94	3.0	122	6	95	0			5.3
21	232	10	96	5.6	122	4	97	0	0.		
22	204	11	95	4.2	112	8	93	0			
23											
24											
25	HOLIDAY	→									
26	220	12	95	2.4	132	5	96	0	2.3		
27	168	10	94	2.7	78	7	91	0			
28	216	12	94	2.0	104	10	90	0			5.5
29	212	12	94	3.6	83	7	92	0		9.22	
30											
31											
TOTAL	4417	224		66.8	2998	171			2.3	9.22	17.4
AVERAGE	221	11	95	3.3	150	9	94	1.23 GM	1.2	9.22	5.8
MAXIMUM	345	15		9.0	446	15		4	2.3	9.22	6.6
MINIMUM	168	8		1.9	78	2		0	0	9.22	5.3
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0063011	MAY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	324	16	95	6.6	148	7	95	0			
2											
3											
4	810	15	98	4.6	505	5	99	0			
5									2.8		
6											
7											
8	160	14	91	6.0	158	6	96	0			
9											
10											
11	84	10	88	6.6	34	8	76	0			
12											
13											
14											
15	144	17	88	6.4	128	8	94	Cl_2 IN SAMPLE			
16											
17											
18	156	22	86	6.8	100	4	96	0			
19											
20											
21									0.6		
22	116	14	88	6.2	68	7	90	0			
23											
24											
25	HOLIDAY										
26											
27											
28											
29	467	10	98	2.7	333	3	99	6			
30											
31											
TOTAL	2261	118		45.9	1474	48			3.4		
AVERAGE	283	15	95	5.7	184	6	97	1.29 gm	1.7		
MAXIMUM	467	22		6.8	505	8		6	2.8		
MINIMUM	84	10		2.7	34	3		0	0.6		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC0063029	MAY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	156	12	92	4.8	94	5	95	0			
2											
3											
4	124	12	90	4.0	100	10	90	0			
5	168	11	93	4.9	110	7	94	0			4.9
6	176	12	93	4.6	120	6	95	0			
7	136	10	93	4.4	128	8	94	6			
8	168	15	91	4.8	108	11	92	0			
9											
10											
11	120	10	92	3.9	102	10	90	0	0.3		
12	124	12	89	4.1	92	7	92	0			
13	136	10	93	5.1	100	5	95	0			
14	204	14	93	5.3	118	13	89	0			
15	148	14	91	4.9	118	19	84	0			
16											
17											
18	136	16	88	3.8	104	11	89	6			
19	216	22	90	4.3	112	11	90	0			
20	180	23	87	5.3	138	13	91	0			4.9
21	256	13	95	5.8	134	14	89	0	3.1		
22	152	22	86	4.7	88	18	80	0			
23											
24											
25	HOLIDAY →										
26	312	18	92	2.6	144	12	92	0			
27	168	17	90	3.9	116	11	91	2			
28	188	19	90	4.7	124	16	87	0			4.9
29	216	23	89	5.2	235	18	92	2		16.21	
30											
31											
TOTAL	3484	305		91.1	2385	225			3.4	16.21	14.7
AVERAGE	174	15	91	4.6	119	11	91	1.28 GM	1.7	16.21	4.9
MAXIMUM	312	23		5.8	235	19		6	3.1	16.21	4.9
MINIMUM	120	10		2.6	88	5		0	0.3	16.21	4.9
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC0063037	MAY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6	56	8	86	0.66	74	4	95	0			
7											
8											
9											
10											
11									0		
12											
13	52	5	90	0.14	100	3	97	0			
14											
15											
16											
17											
18											
19											
20	48	5	90	0.35	82	4	95	0			1.4
21											
22											
23											
24											
25											
26									0.		
27	32	2	94	0.26	142	3	98	0			
28											
29											
30											
31											
TOTAL	188	20		1.41	398	14			0		1.4
AVERAGE	47	5	89	0.35	100	4	96	0	0		1.4
MAXIMUM	56	8		0.66	142	4		0	0		1.4
MINIMUM	32	2		0.14	74	3		0	0		1.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTETREATMENT PLANT WATER QUALITY
MCBCL 11345/3 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC0063045	MAY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5	124	7	94	0.69	58	14	76	0			1.4
6											
7											
8											
9											
10											
11									0.5		
12	72	6	92	0.44	40	3	93	0			
13											
14											
15											
16											
17											
18											
19	72	5	93	0.22	38	4	89	0			
20											
21											
22											
23											
24											
25											
26	104	5	95	0.19	54	1	98	0	0.4		
27											
28											
29											
30											
31											
TOTAL	372	23		1.54	190	22		0	0.9		1.4
AVERAGE	93	6	94	0.39	49	6	88	0	0.5		1.4
MAXIMUM	124	7		0.69	58	14		0	0.5		1.4
MINIMUM	72	5		0.19	38	1		0	0.4		1.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC 0063053	MAY	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6											
7	327	8	98	0.21	565	11	98	0			
8											
9											
10											
11									5.1		
12											
13											
14	176	9	95	1.50	162	13	92	0			
15											
16											
17											
18											
19											
20											
21	195	8	96	0.60	142	5	96	0			
22											
23											
24											
25											
26									0.5		
27											
28	196	8	96	0.22	90	6	93	0			3.4
29										17.92	
30											
31											
TOTAL	894	33		2.53	959	35		0	5.6	17.92	3.4
AVERAGE	224	8	96	0.63	240	9	96	0	2.8	17.92	3.4
MAXIMUM	327	9		1.50	565	13		0	5.1	17.92	3.4
MINIMUM	176	8		0.21	90	5		0	0.5	17.92	3.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

6286/1
NREAD
11 May 87

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

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

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

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

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

J. I. WOOTEN

Blind copy to:
EC&MS (2)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0063011	APRIL	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			F COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	340	26	92	10.2	126	12	90	2			
4											
5											
6	200	15	93	6.6	134	14	90	0			
7											
8									5.7		
9											
10	152	21	86	0.12	182	16	91	0			
11											
12											
13	268	13	94	6.1	102	9	91	0			
14											
15											
16											
17	176	19	89	8.2	116	7	94	0			
18											
19											
20	180	10	94	3.3	82	4	95	0			4.6
21											
22											
23											
24	368	18	94	6.8	214	7	97	0			
25											
26											
27	150	14	91	4.6	246	6	97	0	0.3		
28											
29											
30											
31											
TOTAL	1714	136		45.9	1202	75		-	6.0		4.6
AVERAGE	214	17	92	5.7	150	9	94	1.09	3.0		4.6
MAXIMUM	340	26		10.2	246	16		2	5.7		4.6
MINIMUM	152	10		0.12	82	4		0	0.3		4.6
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC0063053	APRIL	1985

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 5 DAY 20°C BOD %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE %	COLIFORM EFFLUENT MF/100 ML	00556 OIL + GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1											
2	336	10	97	0.43	112	14	88	0			
3											
4											
5											
6											
7											
8											
9	76	1	99	0.73	112	11	90	0			
10											
11											
12											
13											
14											
15											
16	120	8	93	0.78	64	8	88	0			
17											
18											
19											
20											
21									0.2		
22											
23	108	7	94	0.74	188	7	91	0			
24											
25											
26											
27											
28											
29											
30	232	14	94	1.59	46	8	89	0	1.9		
31											
TOTAL	872	40		4.27	522	48		0	2.1		
AVERAGE	174	8	95	1.07	104	10	90	0	1.0		
MAXIMUM	336	14		1.59	188	14		0	1.9		
MINIMUM	76	1		0.85	46	7		0	0.2		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	RIFLE RANGE	NPDES PERMIT NO.	NC 0063037	MONTH	APRIL	YEAR	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	60	7	88	0.89	182	6	97	0			
2											
3											
4											
5											
6											
7											
8	80	8	90	0.38	116	4	97	0			
9											
10											
11											
12											
13											
14									3.9		
15	48	6	88	1.33	108	8	93	0			
16											
17											
18											
19											
20											
21											
22	36	3	92	0.40	214	2	99	0			
23											
24											
25											
26											
27											
28											
29	72	7	90	0.43	140	11	92	10			
30									2.1		
31											
TOTAL	296	31		3.43	760	31			6.0		
AVERAGE	59	6		0.69	152	6	96	1.78	3.0		
MAXIMUM	80	8		1.33	214	11		10	3.9		
MINIMUM	36	3		0.38	108	2		0	2.1		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURT HOUSE BAY	NC0063045	APRIL	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			F COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6											
7	72	7	90	1.7	74	8	89	0			1.7
8											
9											
10											
11											
12											
13											
14	88	11	88	1.8	60	8	87	0	5.6		
15											
16											
17											
18											
19											
20											
21	76	6	92	1.5	54	5	91	0	2.3		
22											
23											
24											
25											
26											
27											
28	80	7	91	1.4	64	5	92	0			
29											
30											
31											
TOTAL	316	31		6.4	252	26		0	7.9		1.7
AVERAGE	79	8	90	1.6	63	7	89	0	4.0		1.7
MAXIMUM	88	11		1.8	74	8		0	5.6		1.7
MINIMUM	72	6		1.4	54	5		0	2.3		1.7
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE III

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC0063029	APRIL	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	120	14	88	6.8	146	12	90	0			
2	140	12	91	6.0	126	8	94	2			
3	160	14	91	6.2	76	10	87	0			
4											
5											
6	128	16	88	7.4	122	17	86	0			
7	120	18	85	6.9	142	10	93	0			4.6
8	172	20	88	8.2	142	16	89	0			
9	100	10	90	6.9	82	11	87	0	14.0		
10	136	21	85	7.2	110	10	91	0			
11											
12											
13	108	16	85	8.7	102	12	88	0			
14	140	20	86	11.6	140	16	89	0			
15	172	15	91	8.1	162	14	91	0			
16	140	14	90	12.3	120	9	93	0			
17	164	16	90	5.7	78	16	79	0			
18											
19											
20	120	13	89	3.4	68	9	85	4			
21	160	14	91	5.0	160	14	91	0			
22	120	17	86	5.8	82	7	92	0			
23	128	15	88	4.5	104	11	89	0			
24	176	15	91	6.0	106	11	90	0			
25											
26											
27	124	19	85	4.3	106	10	91	0			
28	128	14	89	6.1	158	8	95	0			
29	128	11	91	6.5	100	10	90	0			
30	144	12	92	5.9	136	7	95	2	2.8		
31											
TOTAL	3028	336		149.5	2578	248		–	16.8		4.6
AVERAGE	138	15	89	6.8	117	11	91	1.13	8.4		4.6
MAXIMUM	176	20		12.3	162	16		4	14.0		4.6
MINIMUM	100	10		3.4	68	7		0	2.8		4.6
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22				30		14	30		

INSTRUCTIONS:
1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0063002	APRIL	1985

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	204	13	94	3.8	164	11	93	0			
2	520	12	98	3.0	256	10	96	0			
3	380	13	97	4.9	312	13	96	0			
4											
5											
6	235	13	94	3.4	470	12	97	0			
7	420	13	97	4.7	235	10	96	0			6.2
8	224	14	94	9.6	158	8	95	2	5.7		
9	168	5	97	4.4	215	7	97	0			
10	200	15	93	3.8	418	8	98	0			
11											
12											
13	360	15	93	3.5	1932	13	99	0			
14	273	17	94	3.7	228	17	93	0			
15	236	14	94	13.0	956	11	99	0			
16	440	12	97	2.7	1164	9	99	2			
17	292	11	96	2.9	276	16	94	4			
18											
19											
20	240	12	95	2.5	94	5	99	0			
21	208	13	94	4.1	184	12	93	0			
22	164	11	93	9.2	88	6	93	0			
23	204	11	95	3.1	112	8	93	0			
24	260	11	96	3.6	192	5	97	2			
25											
26											
27	200	12	94	3.1	114	3	97	2	0.3		
28	224	12	95	4.8	122	4	97	0			
29	228	12	95	7.2	146	10	93	2			
30	200	10	95	2.6	120	6	95	0			
31											
TOTAL	5880	271		103.6	7956	204			6.0		6.2
AVERAGE	267	12	96	4.7	362	9	98	1.25	3.0		6.2
MAXIMUM	520	17		13.0	1932	17		4	5.7		6.2
MINIMUM	164	5		2.5	88	3		2	0.3		6.2
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
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3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC0003239	APRIL	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	164	7	95	14.1	112	5	96	0			
2	172	8	95	12.4	110	4	96	0			
3	340	26	92	12.0	126	12	90	2			
4											
5											
6	275	14	95	12.7	68	12	82	4			
7	300	17	94	13.1	158	7	96	0			1.6
8	293	16	95	18.6	228	8	96	2	4.2		
9	200	3	98	14.1	124	7	94	0			
10	148	15	90	15.8	110	7	94	0			
11											
12											
13	215	11	95	15.2	142	15	89	0			
14	390	23	94	14.3	176	15	91	0			
15	296	20	93	16.3	166	16	90	8			
16	204	18	91	12.6	204	9	96	0			
17	280	14	95	9.3	170	7	96	2			
18											
19											
20	230	14	94	12.3	152	5	97	0			
21	308	18	94	11.5	140	12	91	0			
22	344	7	99	13.1	325	1	99	0			
23	300	14	95	15.8	210	10	95	2			
24	348	14	96	15.1	208	6	97	0			
25											
26											
27	340	7	98	15.0	248	7	97	0	1.9		
28	348	22	94	15.1	260	9	97	0			
29	220	24	89	14.0	234	14	94	0			
30	310	17	96	13.2	162	10	94	0			
31											
TOTAL	6025	329		305.6	3933	195			6.1		1.6
AVERAGE	274	15	95	13.9	179	9	94	1.33	3.0		1.6
MAXIMUM	390	24		18.6	260	15		8	4.2		1.6
MINIMUM	148	3		9.3	68	1		0	1.9		1.6
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

INSTRUCTIONS:

1. Complete this form in ink, neatly and clearly or it will be typed.
2. Head the form with plant name, permit number, month & year. Indicate Total or Fecal in Coliform heading. Add the appropiate monthly limits at the bottom.
3. At the end of the month, calculate totals, averages, maximums and minimums.
4. Submit completed forms to laboratory supervisor by the 10th of the following month.

ENCLOSURE (1)

UNITED STATES MARINE CORPS
NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542-5001

IN REPLY REFER TO:
6286/1
NREAD
24 Apr 87

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

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

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

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

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

J. I. WOOTEN

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HARNOT POINT	NC 0063029	FEB.	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			T/F COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	104	21	(80)	4.0	78	6	92	12/4			
3	124	26	(79)	4.9	144	9	94	10/0			
4	152	22	86	5.7	98	8	92	>30,000/820			
5	136	22	(84)	4.8	98	8	92	200/0			
6	128	29	(77)	5.8	105	10	91	8/2			
7											
8											
9	112	34	(70)	6.9	90	22	(76)	2/0			
10	120	26	(80)	8.8	82	11	87	6/0			
11	108	26	(80)	8.2	66	7	89	2/0			
12	132	29	(78)	10.1	80	10	88	2/0			
13	148	38	(74)	11.1	98	10	90	6/0			
14											
15											
16	100	21	(79)	8.2	82	9	89	10/4			
17	116	24	(79)	9.2	120	8	93	10/0			
18	156	28	(82)	7.7	114	9	92	12/0			
19	128	23	(82)	8.2	86	10	88	32/10			
20	152	28	(82)	8.7	132	9	93	350/2			5.5
21											
22											
23	112	38	(66)	6.6	88	10	89	30/0			
24	224	23	90	7.6	146	10	93	2/0	0.2		
25	160	27	(83)	9.7	172	12	93	10/0			4.6
26	240	27	89	8.7	172	10	94	6/30		11.44	5.7
27	180	29	(84)	8.5	88	12	86	8/0	1.5		
28											
29											
30											
31											
TOTAL	2832	541		153.4	2139	200			1.7	11.49	16.0
AVERAGE	142	27	(81)	7.7	107	10	91	[illegible]	0.9	11.49	5.3
MAXIMUM	240	38		11.1	172	22		>30,000/820	1.5	11.49	5.9
MINIMUM	100	21		4.0	66	6		2/0	0.2	11.49	4.6
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		22		19		30		70/14	30		

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC0032339	FEB.	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	172	8	95	9.9	96	4	96	0			
3	168	11	93	11.5	118	6	95	0			
4	148	18	88	9.5	112	6	95	0			
5	176	11	94	12.8	114	2	98	0			
6	172	21	88	11.5	114	6	95	0			
7											
8											
9	108	7	94	11.8	102	2	98	0			
10	204	14	93	13.1	139	6	96	0			
11	160	13	92	14.5	158	6	96	0			
12	216	17	92	13.5	146	8	95	2			
13	120	18	85	13.6	68	3	96	NO SAMPLE			
14											
15											
16	96	14	85	10.9	54	8	85	0			
17	112	11	90	7.8	120	5	96	0			
18	136	12	91	11.6	142	2	99	0			
19	160	15	91	11.5	128	4	97	0			
20	156	11	93	11.7	112	2	98	0			1.1
21											
22											
23	308	12	96	12.0	156	1	99	0			
24	316	16	95	12.6	162	2	99	0	0		
25	220	18	92	17.3	212	7	97	0			1.1
26	188	20	89	12.7	108	2	98	0		15.33	2.6
27	308	40	87	12.0	170	16	91	2	1.0		
28											
29											
30											
31											
TOTAL	3644	417		241.8	2531	98			1.0	15.33	4.8
AVERAGE	182	21	88	12.1	127	5	96	1.02	0.5	15.33	1.6
MAXIMUM	316	40		17.3	212	16		2	1.0	15.33	2.6
MINIMUM	96	7		7.8	54	1		0	0	15.33	1.1
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		200	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC 0063002	FEB.	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	168	30	82	3.4	644	6	99	0			
3	216	25	88	3.3	333	7	98	0			
4	312	28	91	4.3	1,130	7	99	0			
5	248	24	90	3.5	344	8	98	0			
6	387	25	94	3.4	492	4	99	0			
7											
8											
9	208	31	85	8.7	456	6	99	0			
10	344	24	93	5.8	1,090	5	99	0			
11	212	27	87	4.6	124	3	98	0			
12	344	23	93	4.3	240	6	98	0			
13	244	22	91	4.0	210	7	97	0			
14											
15											
16	328	30	92	4.3	316	10	97	0			
17	328	24	93	3.5	1245	6	99	0			
18	304	24	92	6.9	123	5	96	0			
19	332	21	94	4.6	144	7	95	0			
20	272	23	92	4.7	398	5	99	0			
21											
22											
23	280	31	90	6.9	164	8	95	0			
24	527	22	96	4.6	386	12	97	480	0		
25	573	26	95	6.1	1488	5	99	0			5.3
26	493	28	94	8.1	868	6	99	0		10.89	
27	276	25	91	5.9	157	7	96	4	3.2		
28											
29											
30											
31											
TOTAL	6396	513		100.9	10,352	125			3.2	10.89	5.3
AVERAGE	320	26	92	5.0	518	6	99		1.6	10.89	5.3
MAXIMUM	573	31		8.7	1488	12		480	3.2	10.89	5.3
MINIMUM	208	21		3.3	123	3		0	0	10.89	5.3
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		1000	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0063011	FEB.	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	204	22	89	5.2	96	8	92	0			
3											
4											
5											
6	128	26	(80)	5.3	190	8	96	0			
7											
8											
9	204	23	89	4.2	218	5	98	0			
10											
11											
12											
13	96	28	(71)	7.1	104	9	91	0			
14											
15											
16				1.4							
17	172	18	90		78	11	86	0			
18											
19											
20	156	37	(76)	6.5	45	10	(78)	0			
21											
22											
23	128	28	94	5.3	74	13	(82)	0			
24											
25											
26											
27	204	37	(82)	6.7	98	12	88	0	0		
28											
29											
30											
31											
TOTAL	1448	219		41.7	903	76			0		
AVERAGE	181	27	85	5.2	113	10	91	0	0		
MAXIMUM	204	37		7.1	218	13		0	0		
MINIMUM	96	18		1.4	45	5		0	0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		NL		30		NONE	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC0063045	FEB.	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	100	13	87	3.6	64	6	91	30			
4											
5											
6											
7											
8											
9											
10	152	15	90	1.7	315	5	98	12			
11											
12											
13											
14											
15											
16											
17	88	15	83	0.3	76	6	92	12			
18											
19											
20											
21											
22											
23											
24	88	16	82	2.6	32	8	75	2	1.1		
25											
26											
27									1.0		
28											
29											
30											
31											
TOTAL	428	59		8.2	487	25			2.1		
AVERAGE	107	15	86	2.1	122	6	95	9.64	1.1		
MAXIMUM	152	16		3.6	315	8		30	1.1		
MINIMUM	88	13		0.3	32	5		2	1.0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		NL		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11845/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC 0063037	FEB.	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			~~FECAL~~ TOTAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4	52	10	(81)	0.16	.162	7	96	0			
5											
6											
7											
8											
9											
10											
11	72	13	(82)	h 25	88	3	97	0			
12											
13											
14											
15											
16											
17											
18	28	10	(64)	0.14		4	96	0			
19											
20											
21											
22											
23											
24									0		
25	196	17	91	3.0	508	8	98	0			1.6
26											
27									0		
28											
29											
30											
31											
TOTAL	348	50		4.55	858	22			0		1.6
AVERAGE	87	13	85	1.12	215	6		0	0		1.6
MAXIMUM	196	17		3.0	508	8		0	0		1.6
MINIMUM	28	10		0.14	88	3		0	0		1.6
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		NL		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC0063653	FEB.	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5	108	16	85	0.26	84	6	93	2			
6											
7											
8											
9											
10											
11											
12	96	21	78	0.21	42	10	76	0			
13											
14											
15											
16											
17											
18											
19	68	12	82	0.19	29	7	76	10			
20											
21											
22											
23											
24									0.5		
25											
26	228	21	91	0.43	58	6	90	90		1.75	
27									0		
28											
29											
30											
31											
TOTAL	500	70		1.09	213	29			0.5	1.75	
AVERAGE	125	18	86	0.27	53	7	87	6.51	0.25	1.75	
MAXIMUM	228	21		0.43	84	10		90	0.5	1.75	
MINIMUM	68	12		0.19	29	6		0	0	1.75	
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11245/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC 0063029	MARCH	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	96	11	89	4.2	106	10	91	0			
3	132	12	91	4.7	118	11	91	0			
4	120	14	88	5.6	110	12	89	0			
5	136	12	91	5.2	106	8	92	6			
6	140	19	86	6.1	112	10	91	0			
7											
8											
9	116	11	91	4.0	88	8	91	2			
10	100	13	87	5.6	82	14	83	10			
11	124	14	89	6.7	112	10	91	0	0		
12	112	15	87	6.6	104	8	92	2			4.9
13	132	13	90	4.6	106	13	88	0			
14											
15											
16	124	11	91	3.0	144	7	95	0			
17	120	15	88	5.8	96	7	93	0			
18	108	11	90	5.1	80	8	90	4			
19	164	10	94	4.5	104	10	90	0			
20	128	21	84	5.5	176	7	96	0			
21											
22											
23	132	11	92	3.5	100	8	92	0	2.1		
24	104	13	88	4.6	132	8	95	0			
25	136	12	91	4.4	86	9	90	0			
26	148	15	90	4.2	170	10	94	0			
27	108	12	89	4.3	84	8	95	2			
28											
29											
30	124	10	92	3.0	86	8	91	0		9.98	
31	128	13	90	5.4	140	7	95	0			
TOTAL	2732	288		106.2	2442	201			2.1	9.98	4.9
AVERAGE	124	13	90	4.8	111	9	92	1.41 GM	1.1	9.98	4.9
MAXIMUM	164	21		6.7	176	14		10	2.1	9.98	4.9
MINIMUM	96	10		3.0	80	7		0	0.	9.98	4.9
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11245/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC 0003239	MARCH	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	168	21	88	7.1	256	38	85	0			
3	148	26	82	7.9	116	16	86	0			
4	180	20	89	12.7	108	20	81	2			
5	248	11	96	10.6	182	7	96	0			
6	180	8	96	11.4	94	4	96	0			
7											
8											
9	188	15	92	10.7	128	9	93	2			
10	224	14	94	12.8	186	9	95	0			
11	220	8	96	12.3	172	4	98	0	0		
12	188	10	95	14.7	220	6	97	0			0.5
13	216	18	92	12.4	138	12	91	0			
14											
15											
16	148	5	97	15.1	164	3	98	0			
17	244	25	82	13.5	258	15	94	0			
18	220	27	88	13.5	140	11	92	0			
19	180	22	88	12.9	216	16	93	2			
20	200	14	93	7.8	176	8	95	0			
21											
22											
23	184	10	95	12.7	94	12	87	0	0.8		
24	220	13	94	11.9	158	7	96	0			
25	300	10	97	12.3	216	2	99	0			
26	332	10	97	14.2	186	8	96	0			
27	196	19	90	13.0	200	12	94	0			
28											
29											
30	260	11	96	12.8	290	8	97	0		18.26	
31	204	11	95	12.7	146	6	96	0			
TOTAL	4648	328		265	3818	222			0.8	18.26	0.5
AVERAGE	211	15	93	12.6	174	10	94	1.10	0.4	18.26	0.5
MAXIMUM	332	27		15.1	258	38		2	0.8	18.26	0.5
MINIMUM	148	5		7.1	94	2		0	0	18.26	0.5
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0063002	MARCH	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	750	11	99	6.1	1510	6	99	0			
3	156	11	93	3.3	254	9	96	0			
4	196	11	94	3.6	184	10	95	2			
5	760	11	99	7.8	1084	8	99	0			
6	470	10	98	5.6	760	2	99	0			
7											
8											
9	260	10	96	7.1	192	7	96	0			
10	264	11	96	5.4	230	12	95	0			
11	212	13	94	6.1	120	6	95	0	0.7		
12	344	12	97	6.4	330	9	97	0			6.2
13	320	10	97	7.5	755	5	99	0			
14											
15											
16	340	19	99	7.7	2670	14	99	0			
17	324	34	90	8.3	884	8	99	0			
18	272	17	94	5.7	158	13	92	0			
19	276	16	94	8.5	288	12	96	2			
20	280	19	93	5.2	724	9	99	6			
21											
22											
23	207	16	92	4.4	158	10	94	0	3.4		
24	208	17	92	6.3	152	13	91	0			
25	256	14	95	4.5	1182	9	99	0			
26	232	14	94	1.3	186	8	96	0			
27	288	13	95	8.6	548	9	98	0			
28											
29											
30	253	14	94	5.1	850	10	99	0		14.99	
31	208	12	94	5.9	116	9	92	0			
TOTAL	6876	315		129.4	13,335	192			4.1	14.99	6.2
AVERAGE	313	14	96	5.9	606	9	99	1.16	2.1	14.99	6.2
MAXIMUM	760	34		8.6	2670	13		6	3.4	14.99	6.2
MINIMUM	156	10		1.3	116	2		0	0.7	14.99	6.2
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0063011	MARCH	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	184	16	91	2.4	206	11	95	0			
3											
4											
5											
6	84	17	80	4.9	72	6	92	0			
7											
8											
9	156	13	92	4.3	168	8	95	0			
10											
11									0		
12											
13	120	15	88	5.4	48	8	83	0			
14											
15											
16	116	12	90	5.2	48	6	88	0			
17											
18											
19											
20	145	16	89	5.7	192	6	97	2			
21											
22											
23	56	12	78	4.7	26	9	65	0	6.2		
24											
25											
26											
27	124	18	85	7.1	150	7	95	4			
28											
29											
30	236	16	93	6.3	260	8	97	0			
31											5.2
TOTAL	1221	135		46.0	1170	69			62		5.2
AVERAGE	136	15	89	5.1	130	9	93	1.30 GM	3.1		5.2
MAXIMUM	236	18		7.1	260	11		4	6.2		5.2
MINIMUM	56	12		2.4	26	6		0	0		5.2
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		14.0	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC0063045	MARCH	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3	76	7	91	1.1	84	8	90	4			
4											
5											
6											
7											
8											
9											
10	60	8	87	2.1	78	8	90	0			
11									0		
12											
13											
14											
15											
16											
17	104	10	90	1.5	58	6	90	0			
18											
19											
20											
21											
22											
23									6.0		
24	64	8	88	2.2	42	6	86	0			
25											
26											
27											
28											
29											
30											
31	144	24	83	1.2	70	7	90	0			
TOTAL	448	57		8.1	332	35			6.0		
AVERAGE	90	11	88	1.6	66	7	89	1.32	3.0		
MAXIMUM	144	24		2.2	84	8		4	6.0		
MINIMUM	60	7		1.1	42	6		0	0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC 0 0 6 3 0 3 7	MARCH	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4	73	7	90	0.41	284	10	96	0			
5											
6											
7											
8											
9											
10											
11	88	6	93	0.39	253	6	98	12,500	0		
12											
13											
14											
15											
16											
17											
18	88	6	93		136	8	94	0			
19				0.21							
20											
21											
22											
23									0.5		
24											
25	240	8	97		3190	6	99	0			
26				0.26							
27											
28											
29											
30											
31											
TOTAL	489	27		1.27	3 863	30			0.5		
AVERAGE	122	7	94	0.32	966	8	99	10.57 GM	0.25		
MAXIMUM	240	8		0.41	3190	10		12,500	0.5		
MINIMUM	73	6		0.21	136	6		0	0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11245/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC0063053	MARCH	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5	72	6	92	0.40	14	3	86	10			
6											
7											
8											
9											
10											
11									0		
12	152	6	96	0.23	56	9	84	0			1.4
13											
14											
15											
16											
17											
18											
19	128	9	93	0.21	72	9	88	2			
20											
21											
22											
23									0.6		
24											
25											
26	164	6	96	0.26	80	8	91	0			
27											
28											
29											
30											
31											
TOTAL	516	27		1.1	222	29			0.6		1.4
AVERAGE	129	7	95	0.28	56	7	88	2.11	0.3		1.4
MAXIMUM	164	9		0.40	80	9		10	0.6		1.4
MINIMUM	72	6		0.21	14	3		0	0		1.4
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

6286/1
NREAD
24 Feb 87

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

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

Encl: (1) Monthly Report of Waste Teatment Plant Water Quality
(2) Violations of NPDES Limits

1. It is requested that the enclosures be routed to the Utilities Systems General Foreman. Enclosure (1) summarizes the subject data generated by the Environmental Chemistry and Microbiology Laboratory and contract laboratories for the seven wastewater treatment plants aboard the Camp Lejeune complex for the month of January 1987. Presently, only the Biochemical Oxygen Demand (BOD), Total Suspended Residue, and Coliform data are submitted to the EPA and State. The ammonia, oil and grease, nitrogen and phosphorus data is being generated as background data for the proposed NPDES permit.

2. Enclosure (2) outlines the violations to the present NPDES permit as well as the proposed NPDES permit. Please note that the Tarawa Terrace wastewater plant did not meet the BOD effluent limit of 30 mg/L or the BOD percent removal of 85%. Hadnot point, Camp Johnson and the Rifle Range Wastewater plants did not meet the BOD percent removal of 85%. The data shows that for Camp Johnson and the Rifle Range plants the violations are a result of low BOD loading. The Laboratory, however, will need an explanation for Tarawa Terrace and Hadnot Point for the record.

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

J. I. WOOTEN

Blind Copy to:
ECML (2)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC0003239	January	1987

DATE	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	88	7	92		80	13	84	2			
2	84	13	85		43	12	72	0			
3											
4											
5	128	5	96	6.4	60	9	85	0			
6	124	5	96	7.6	62	4	94	0			
7	140	10	93	8.8	88	5	94	0			
8	140	11	92	11.0	66	4	94	2			
9	124	11	91	8.5	80	13	84	0			
10											
11											
12	144	9	94	8.1	106	8	92	2			
13	112	12	89	8.7	90	4	96	0			
14	116	7	94	8.4	88	5	94	0			
15	124	5	96	7.8	93	4	96	0			
16	192	15	92	10.0	72	8	89	2			
17											
18											
19	68	5	93	5.0	58	4	93	0			
20	88	13	85	8.7	44	15	66	2			
21	92	9	90	8.3	40	7	83	0			
22	72	21	71	8.6	54	15	72	2			
23	68	8	88	5.6	40	13	68	0			
24											
25											
26	92	6	93	5.6	108	4	96	0			
27	80	23	71	9.1	26	10	62	0			
28	108	13	88	8.6	66	10	85	0			
29	104	7	93	9.2	120	2	98	2			
30	112	13	88	9.0	74	4	95	10			
31											
TOTAL	2400	228		163	1558	173					
AVERAGE	109	10	91	8.2	71	8	89	1.38			
MAXIMUM	192	21		11.0	120	15		10			
MINIMUM	68	5		5.0	26	2		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30				30		200	30		

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0003239	January	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	192	39	80		126	33	74	2			
2	132	41	69		258	25	90	0			
3											
4											
5	136	38	72	2.7	182	18	90	0			
6	136	35	74	3.3	290	22	92	0			
7	200	45	78	2.6	102	29	72	0			
8	160	31	81	3.8	60	13	78	0			
9	192	38	80	3.6	90	13	86	0			
10											
11											
12	148	38	74	2.7	152	22	86	0			
13	140	32	77	4.0	573	11	98	2			
14	200	28	86	3.1	173	12	93	0			
15	188	27	86	2.8	116	11	91	2			
16	340	40	88	3.7	305	8	97	0			
17											
18											
19	108	25	77	2.6	125	11	91	16			
20	204	56	73	8.9	145	27	81	0			
21	196	62	67	7.2	104	24	77	4			
22	116	41	65	3.6	230	11	95	2			
23	168	36	79	5.5	115	16	86	0			
24											
25											
26	116	30	74	5.5	183	14	92	0			
27	156	29	81	5.5	106	8	92	4			
28	175	25	86	4.7	194	8	96	6			
29	192	19	90	4.2	204	5	98	2			
30	212	25	88	4.2	240	5	98	0			
31											
TOTAL	3807	780		84.2	4073	346					
AVERAGE	173	35	80	4.2	185	16	91	1.63			
MAXIMUM	340	56		8.9	573	33		16			
MINIMUM	108	19		2.6	60	5		0			
[illegible] (C) (G)	C	C		C	C	C		G	G	C	C
[illegible]		30		—		30		200	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
NCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0003239	JANUARY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	64	10	84		154	17	89	0			
2											
3											
4											
5											
6	28	16	50		22	6	73	4			
7											
8	84	15	82	5.0	130	6	98	0			
9											
10											
11											
12											
13	128	18	86		92	6	93	0			
14											
15	80	15	81		38	6	84	0			
16											
17											
18											
19	96	15	84	1.0	230	9	96	0			
20											
21											
22											
23	76	18	76	4.8	114	10	95	4			
24											
25											
26	208	17	92	3.9	516	16	98	6			
27											
28											
29											
30	84	27	68	5.6	36	8	78				
31											
TOTAL	848	151		20.3	1332	78					
AVERAGE	94	17	82	4.1	148	9	94	1.77			
MAXIMUM	208	27		5.6	516	17		6			
MINIMUM	28	10		1.0	22	6		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		200	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCEC 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC0003239	JANUARY	1987

DATE	00310 5 DAY 20°C BOD INFLUENT mg/L	00310 5 DAY 20°C BOD EFFLUENT mg/L	00310 %	00610 AMMONIA EFFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE INFLUENT mg/L	00530 TOTAL SUSPENDED RESIDUE EFFLUENT mg/L	00530 %	T/F COLIFORM EFFLUENT MF/100 ML	00556 OIL & GREASE EFFLUENT mg/L	00600 TOTAL NITROGEN EFFLUENT mg/L	00665 TOTAL PHOSPHORUS EFFLUENT mg/L
1	100	18	82		94	8	91	30/0			
2	108	19	82		65	7	89	[illegible]/0			
3											
4											
5	132	17	87	4.2	88	9	90	6/0			
6	108	17	84	4.0	120	7	94	6/0			
7	140	16	89	1.9	90	5	94	10/0			
8	120	16	87	5.0	90	2	98	2/0			
9	148	24	84	5.5	116	6	95	0/0			
10											
11											
12	108	19	82	2.9	76	9	88	10/4			
13	120	19	84	3.7	94	6	94	6/0			
14	112	17	85	4.4	85	6	93	6/2			
15	136	22	84	5.1	84	6	89	30/6			
16	128	25	80	4.7	74	7	91	20/2			
17											
18											
19	72	22	69	2.8	58	13	78	4/0			
20	108	21	81	3.8	116	14	88	50/0			
21	124	20	84	4.1	108	9	92	14/0			
22	120	19	84	4.4	80	7	91	26/0			
23	108	25	77	6.3	128	15	88	10/0			
24											
25											
26	140	17	88	3.7	140	11	92	0/0			
27	120	31	68	8.9	92	13	86	2/0			
28	168	22	87	6.9	132	11	92	6/0			
29	164	22	87	7.1	90	5	94	0/0			
30	108	36	67	6.9	80	8	90	6/0			
31											
TOTAL	2692	464		96.3	2100	184					
AVERAGE	122	21	83	4.8	95	8	92	6.70			
MAXIMUM	168	36		8.9	140	15		50			
MINIMUM	72	16		1.9	58	2		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT						30			30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC0003239	JANUARY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6	40	6	90		16	4	75	0			
7											
8	36	8	78	0.08	7	2	71	0			
9											
10											
11											
12											
13	32	8	75		10	2	80	0			
14											
15	56	8	86		28	3	89	0			
16											
17											
18											
19											
20											
21	56	7	88		23	4	83	0			
22											
23											
24											
25											
26											
27											
28	80	10	88	0.26	162	7	96	0			
29											
30											
31											
TOTAL	300	47		0.34	246	22					
AVERAGE	50	8	84	0.17	41	4	90	0			
MAXIMUM	80	10		0.26	162	7		0			
MINIMUM	32	6		0.08	7	2		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC0003239	JANUARY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6	216	12	94		195	10	95	16			
7											
8	32	14	56	~~1.09~~	110	7	94	20			
9				1.09							
10											
11											
12											
13	124	13	90		98	6	94	10			
14											
15	80	13	84		48	6	88	18			
16											
17											
18											
19											
20	208	9	96	~~1.20~~	220	5	98	34			
21				1.20							
22											
23											
24											
25											
26											
27	148	16	92		156	7	96	30			
28											
29											
30											
31											
TOTAL	808	77		2.29	827	41					
AVERAGE	135	13	90	1.15	138	7	95	19.7			
MAXIMUM	216	14		1.20	220	10		34			
MINIMUM	32	9		1.09	48	5		10			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBEL 11245/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC0003239	JANUARY	1987

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2											
3											
4											
5											
6	164	22	87		36	5	86	6			
7											
8	152	10	93	0.26	92	2	98	6			
9											
10											
11											
12											
13	84	10	88		68	5	93	0			
14											
15	156	14	91		64	9	92	2			
16											
17											
18											
19											
20	~~208~~	~~9~~	~~96~~		~~232~~	~~5~~	~~98~~	~~34~~			
21											
22	40	13	68		46	6	87	2			
23											
24											
25											
26											
27											
28											
29	124	13	90	0.30	120	3	98	4			
30											
31											
TOTAL	720	82		0.56	426	30					
AVERAGE	120	14	88	0.28	71	5	93	2.88			
MAXIMUM	164	22		0.30	120	9		6			
MINIMUM	40	10		0.26	36	2		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		70	30		

VIOLATIONS OF NPDES LIMITS

(1) PRESENT PERMIT LIMITS

PLANT	PARAMETER	LIMIT	VALUE
Tarawa Terrace	BOD-EFF	30 mg/L	35 mg/L
Tarawa Terrace	BOD % removal	85%	80%
Hadnot Point	BOD % removal	85%	83%
Camp Johnson	BOD % removal	85%	82%
Rifle Range	BOD % removal	85%	84%

(2) PROPOSED PERMIT LIMITS

Tarawa Terrace	BOD-EFF	30 mg/L	35 mg/L
Courthouse Bay	Temperature	monitoring	no valves

ENCLOSURE (2)

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
15 Jan 87

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

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

Encl: (1) Monthly Report of Waste Teatment Plant Water Quality
(2) Violations of NPDES Limits

1. It is requested that the enclosures be routed to the Utilities Systems General Foreman. Enclosure (1) summarizes the subject data generated by the Environmental Chemistry and Microbiology Laboratory and contract laboratories for the seven wastewater treatment plants aboard the Camp Lejeune complex for the month of December 1986. Presently, only the Biochemical Oxygen Demand (BOD), Total Suspended Residue, and Coliform data are submitted to the EPA and State. The ammonia, oil and grease, nitrogen and phosphorus data is being generated as background data for the proposed NPDES permit. Enclosure (2) outlines the violations to the present NPDES permit as well as the proposed NPDES permit. Please note that the Tarawa Terrace wastewater plant did not meet the required monthly BOD percent removal of 85%. The laboratory will need an explanation by 21 January 1987 for inclusion in the monthly report.

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

J. I. WOOTEN

BCC:
→ LAB

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBQL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
ONSLOW BEACH	NC 0003239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	248	16	94		56	7	88	4			
3											
4	260	12	95		52	1	98	0			
5									0.8		
6											
7											
8											
9	188	12	94		70	7	90	10			
10											
11	140	10	93		92	6	93	40			
12											
13											
14											
15											
16	148	9	94		268	1	100	0			
17											
18	LAB	ERROR	-		68	4	94	0			
19											
20											
21											
22	84	9	89		30	1	97	2			
23											
24											
25											
26											
27											
28											
29											
30	20	7	65		10	3	70	2			
31											
TOTAL	1088	75			646	30			0.8		
AVERAGE	155	11	89		81	4	91	1.10 * GM	0.8		
MAXIMUM	260	16			268	7		40	0.8		
MINIMUM	20	7			30	1		0	0.8		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		70	30		

ENCLOSURE (1)

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
COURTHOUSE BAY	NC 000 3239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	132	13	90		45	8	82	4			
3											
4	48	11	77		30	7	77	0			
5									7.0		
6											
7											
8											
9	76	10	87		30	11	63	0			
10											
11	276	9	97		232	2	99	0			
12											
13											
14											
15											
16	108	8	93		184	1	99	0			
17											
18	LAB	ERROR	–		16	1	94	0			
19											
20											
21											
22	80	10	88		240	8	97	12			
23											
24											
25											
26											
27											
28											
29											
30	60	8	87		80	7	91	2			
31											
TOTAL	780	69			857	45			7.0		
AVERAGE	111	10	88		107	6	88	1.77 GM.	7.0		
MAXIMUM	276	13			240	11		12	7.0		
MINIMUM	48	8			16	1		0	7.0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
RIFLE RANGE	NC000 3239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			TOTAL COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	60	6	90		54	3	94	2			
3											
4	72	10	86		68	4	94	0			
5									0		
6											
7											
8											
9	40	6	90		20	4	80	0			
10											
11	32	6	81		12	3	75	0			
12											
13											
14											
15											
16	20	5	75		88	3	97	0			
17											
18	LAB	ERROR	-		40	1	98	0			
19											
20											
21											
22	44	5	89		30	2	93	0			
23											
24											
25											
26											
27											
28											
29											
30	24	5	79		5	2	60	0			
31											
TOTAL	292	43			317	22			0		
AVERAGE	42	6	84		40	3	86	1.09 * GM	0		
MAXIMUM	72	10			88	4		2	0		
MINIMUM	20	5			12	1		0	0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/6 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
HADNOT POINT	NC0003239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			T/F COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	200	18	91	3.8	140	12	91	4/2			
2	188	19	90	4.3	132	12	91	66/14			
3	124	16	87	5.1	112	6	95	6/0			
4	124	23	81	6.8	98	5	95	10/0			
5	148	22	85	6.2	108	8	93	8/2	0.2		
6											
7											
8	112	16	86	3.5	96	6	94	10/0			
9	196	17	96	4.7	213	9	96	10/0			
10	128	16	88	5.6	106	10	91	10/0			
11	156	18	88	4.6	138	8	94	60/0			
12	152	26	83	5.9	138	5	96	30			
13											
14											
15	104	17	84	4.1	72	7	90	20/4			
16	144	22	85	5.3	58	12	79	4/2			
17	136	24	82	6.6	118	10	92	0/0			
18	LAB ERROR —			6.2	96	8	92	16/0			
19	LAB ERROR —			5.9	70	7	90	0/0			
20											
21											
22	100	19	81		66	9	86	12/0			
23	108	21	81		83	10	88	4/0			
24	100	20	80		117	9	92	20/0			
25	104	13	88		96	6	94	10/2			
26	LAB ERROR —				94	11	88	550/0			
27											
28											
29	128	16	88		132	12	91	20/0			
30	128	19	85		54	8	85	50/0			
31	92	18	80		64	8	88	2/0			
TOTAL	2672	380			2401	198			0.2		
AVERAGE	134	19	85	5.2	104	9	91	41.85/1.52	0.2		
MAXIMUM	200	26		6.8	213	12		550/14	0.2		
MINIMUM	92	13		3.5	54	5		0/0	0.2		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		19.0		30		70	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP JOHNSON	NC0003239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1											
2	108	18	83		76	10	87	2			
3											
4	160	11	93		32	2	94	0			
5											
6											
7											
8											
9	140	12	91		82	4	95	0			
10											
11	84	7	92		28	1	96	0			
12											
13											
14											
15											
16	88	7	92		40	1	98	10			
17											
18	LAB	ERROR	–		20	1	95	12			
19											
20											
21											
22	48	10	79		30	6	80	6			
23	108	12	89		48	4	92	4			
24											
25											
26											
27											
28											
29											
30	56	8	86		33	4	88	2			
31											
TOTAL	792	85			389	33					
AVERAGE	99	11	89		43	4	92	2.83 G.M.			
MAXIMUM	160	18			82	10		12			
MINIMUM	48	7			20	1		0			
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		200	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
TARAWA TERRACE	NC0003239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL & GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	120	27	78	3.3	296	16	95	26			
2	128	24	81	5.7	136	9	93	8			
3	144	19	87	3.4	130	7	95	70			
4	220	22	90	2.9	176	4	98	6			
5	176	27	85	3.9	78	8	90	2	1.5		
6											
7											
8	188	25	87	3.5	94	12	87	2			
9	192	25	87	4.2	138	11	92	2			
10	184	37	80	5.6	118	16	86	0			
11	168	32	81	5.5	120	10	92	0			
12	204	28	86	3.6	310	9	97	4			
13											
14	~~204~~	~~28~~	~~86~~		~~310~~	~~9~~	~~97~~	~~4~~			
15	200	29	86	3.3	92	9	90	0			
16	176	31	82	7.2	194	7	96	0			
17	180	29	84	4.9	94	7	93	0			
18	LAB ERROR	—		3.9	68	8	88	0			
19	LAB ERROR	—		3.7	130	9	93	10			
20											
21											
22	140	36	74		140	14	90	0			
23	188	27	86		108	13	88	0			
24	NO SAMPLE										
25	NO SAMPLE										
26	LAB ERROR	—			196	15	92	4			
27											
28											
29	140	29	79		97	19	80	0			
30	172	30	83		272	14	95	40			
31	160	42	74		98	19	81	0			
TOTAL	3080	519		64.6	3085	236			1.5		
AVERAGE	171	29	83	4.3	147	11		2.88 G.M.	1.5		
MAXIMUM	220	42		7.2	310	19		70	1.5		
MINIMUM	120	19		2.9	78	4		0	1.5		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		—		30		200	30		

MONTHLY REPORT OF WASTE TREATMENT PLANT WATER QUALITY
MCBCL 11345/8 (REV. 9-86)

PLANT	NPDES PERMIT NO.	MONTH	YEAR
CAMP GEIGER	NC0003239	DECEMBER	1986

	00310 5 DAY 20°C BOD			00610 AMMONIA	00530 TOTAL SUSPENDED RESIDUE			FECAL COLIFORM	00556 OIL + GREASE	00600 TOTAL NITROGEN	00665 TOTAL PHOSPHORUS
DATE	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT mg/L	INFLUENT mg/L	EFFLUENT mg/L	%	EFFLUENT MF/100 ML	EFFLUENT mg/L	EFFLUENT mg/L	EFFLUENT mg/L
1	148	4	97	11.6	110	2	98	4			
2	172	12	93	9.9	134	6	96	2			
3	104	10	90	8.7	56	5	91	2			
4	172	8	95	8.4	130	1	99+	0			
5	128	11	91	9.2	94	7	93	0	0		
6											
7											
8	196	9	95	9.4	180	11	94	0			
9	148	10	93	10.2	100	8	92	0			
10	236	12	95	9.5	94	6	94	0			
11	136	16	88	9.2	86	8	91	6			
12	156	17	89	12.1	98	4	96	30			
13											
14											
15	120	16	87	8.2	50	4	92	0			
16	108	10	91	9.8	52	1	98	0			
17	160	10	94	9.0	76	4	95	0			
18	LAB ERROR —			10.5	90	3	97	60			
19	LAB ERROR —			10.5	68	6	91	0			
20											
21											
22	88	7	92	~~60~~	60	3	95	0			
23	108	5	95		82	7	91	18			
24				NO SAMPLE							
25				NO SAMPLE							
26	LAB ERROR —			~~4~~	42	10	76	0			
27											
28											
29	156	8	95		183	9	95	0			
30	108	5	95		120	2	98	0			
31	124	9	93		82	6	93	0			
TOTAL	2568	179			1987	113			0		
AVERAGE	143	10	93	9.7	95	5	94	2.04 #GM	0		
MAXIMUM	236	17		12.1	183	11		60	0		
MINIMUM	88	4		8.2	42	1		0	0		
COMP (C) GRAB (G)	C	C		C	C	C		G	G	C	C
MONTHLY LIMIT		30		4.0		30		200	30		

VIOLATIONS OF NPDES LIMITS

I. Present NPDES Permit Limits:

PLANT	DATE	PARAMETER	VALUE	LIMIT
Tarawa Terrace	Dec 86	BOD % Removal	83%	85%

II. Proposed NPDES Permit Limits:

PLANT	DATE	PARAMETER	VALUE	LIMIT
Camp Geiger	1-6 Dec 86	Ammonia	9.6 mg/L	4.0 mg/L
"	7-13 Dec 86	"	10.1 mg/L	"
"	14-20 Dec 86	"	9.6 mg/L	"
"	December 86	"	9.7 mg/L	3.0 mg/L

ENCLOSURE (2)