NREAD/EA8/th
6280/2
JAN 25 1983

Regional Administrator
Environmental Protection Agency
Region IV, Water Enforcement Branch
345 Courtland Street
Atlanta, Georgia 30309

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System (NPDES) Permit Number NC0003239, Discharge Monitoring Reports (DMRs) for the period September, October and November are submitted. The enclosed quarterly report was delayed due to computer problems Atlantic Division, Naval Facilities Engineering Command are having. As explained in a previous quarterly report dated 23 July 1982, the enclosed DMRs have been pen changed to reflect the data called for in the permit.

Hadnot Point Sewage Treatment Plant does not have the required 20 per month BOD samples for 1 September 1982 because of a laboratory problem shown by blank controls.

The storm drain violations depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided to your agency. Storm drains that are missing flow values had flows at the time of collection but it was not possible to determine the rate. Storm drains that have no values reported for the quarter were checked; however, each time they were checked, they were either dry or had no flow. The base environmental staff is continuing to work on operational control methodology to reduce oil and grease and suspended solids discharges.

For further pertinent details on any of the above, you may contact Mr. Julian Wooten, Natural Resources and Environmental Affairs Division, telephone (919) 451-5003/2083.

Sincerely,

J. T. MARSHALL
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encl:
(1) DMRs for Sep, Oct & Nov 1982
(2) NPDES Permit No. NC0003239 Discharge Violations

Copy to:
NC Dept of Nat & Eco Res
CMOR, LANTNAVFACENGCOM (Code 114)

Blind Copy to:
Dir Util (BMainDiv)
EQL (NREAD)

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD SEPTEMBER, OCTOBER & NOVEMBER 1982

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SD 47	pH	6.0-9.0	10.5	19 Oct 1982
SD 28	pH	6.0-9.0	9.2	30 Nov 1982
SD 31	pH	6.0-9.0	9.1	30 Nov 1982
SD 47	pH	6.0-9.0	11.2	18 Nov 1982
SD 62	SS	50 mg/l	57.0	16 Nov 1982

ENCLOSURE (2)

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD SEPTEMBER OCTOBER, NOVEMBER 1982

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SD 47	pH	6.0-9.0	10.5	19 OCTOBER 1982
SD 28	pH	6.0-9.0	9.2	30 NOVEMBER 1982
SD 31	pH	6.0-9.0	9.1	30 NOVEMBER 1982
SD 47	pH	6.0-9.0	11.2	18 NOVEMBER 1982
SD 62	SS	50 mg/L	57.0	16 NOVEMBER 1982

Date: 24 September 1982

Memorandum

From: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

To: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

Subj: Storm Drain Violations for September 1982

1. Storm Drains 22-25, 27, 34, 35, 37-40, 48, 50, 55-69, 71-80,=84, and 85 were checked in September 1982. There were no violations. Below is a list of dry drains.

List of Dry Drains

SD	Last Collection Date
22	13 January 1981
23	14 October 1981
24	14 April 1982
25	14 April 1982
27	23 March 1982
34	9 March 1982
37	5 & 17 February 1981*
38	5 & 17 February 1981*
39	5 & 17 February 1981*
40	18 January 1982
50	24 August 1981
56	24 August 1981
58	28 May 1982
60	18 March 1981*
65	1 February 1982
66	2 March 1982
69	8 June 1982
71	23 February 1982
73	23 December 1981
75	23 November 1981
76	27 April 1981
77	27 April 1981
78	23 November 1981
79	13 August 1981
80	1979
84	23 February 1982
85	23 February 1982

Elizabeth A. Betz
Supervisory Chemist

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

DEPARTMENT OF THE NAVY

Memorandum

DATE: 15 November 1982

FROM: Ms. Betz, Quality Control Lab, Environmental Branch, NREAD

TO: Mr. Sharpe, Supervisory Ecologist, Environmental Branch, NREAD

SUBJ: Storm Drain Violations for October 1982

1. Storm Drains 20-28, 30-33, 36, 37, 44, 46-57, 66, 89 & 90 were checked in October 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Location	Parameter	Limits	Value	Date	History
47	Hadnot Point-Behind Steam Plant	pH	6.0-9.0	10.5	19 Oct	pH 19 SS 5 OG 9

List of Dry Drains

SD	Last Collection Date
21	11 August 1982
22	13 January 1981
23	14 October 1981
24	14 April 1982
25	14 April 1982
27	23 March 1982
28	1 August 1982
31	4 August 1982
37	5 & 17 February 1981
50	24 August 1981
56	24 August 1981
66	2 March 1982
89	2 August 1982
90	2 August 1982

Elizabeth A. Betz
Supervisory Chemist

PLANT: CAMP GEIGER MONTH: SEPTEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	3	5.3	27.27	3	3.67	19.76	2	0
5-11 SEP	3	5.67	33.27	4	3.75	20.98	3	0
12-18 SEP	4	10.0	49.82	~~3~~ 4	3.0	15.02	3	0
19-25 SEP	4	6.75 ~~15.0~~	40.27	4	1.75	10.35	3	1.26
26-30 SEP	1	8.0	59.52	3	3.67	28.83	3	0
MONTHLY	15/8	7.2	40.10	~~15~~/8	3.1	18.40	14/8	1.05

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	687,067	144.9	127.7	3.92	
MAXIMUM	1,032,000	184	267	4.1	6.6
MINIMUM	457,000	~~100~~	60	3.4	6.0

85%	% REMOVAL
BOD	95.0
TSS	97.6

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	3.00	5	20	45	1001.2	30	200.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: TARAWA TERRACE MONTH: SEPTEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	3	14.3	92.98	3	8.33	53.37	2	1.41
5-11 SEP	3	11.67	67.66	4	8.5	49.40	3	0
12-18 SEP	4	16.5	118.61	4	8.5	70.68	3	1.26
19-25 SEP	4	13.0	99.58	4	9.5	76.49	3	0
26-30 SEP	1	14.0	218.11	3	6.33	98.42	3	0
MONTHLY	15/8	14.0	104.85	18/8	8.3	68.98	14/8	1.10

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	958,347	152.2	194.1	4.21	
MAXIMUM	1872,000	500	1060	5.0 ~~6.~~	6.9
MINIMUM	555,500	70	53	3.3 ~~6.3~~	6.3

85%	% REMOVAL
BOD	90.8
TSS	95.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: CAMP JOHNSON

MONTH: SEPTEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	3	6.67	12.87	3	3.67	7.05	2	2.00
5-11 SEP	3	4.33	5.41	4	2.5	3.13	3	0
12-18 SEP	4	5.0	9.96	3	1.0	2.12	3	2.29
19-25 SEP	4	5.75	30.74	4	3.25	13.50	3	0
26-30 SEP	1	8.0	16.81	3	2.67	5.87	3	0
MONTHLY	15/8	5.6	15.63	17/8	2.6	6.57	14/8	1.32

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	273,333	133.7	117.8	5.7	
MAXIMUM	614,000	260	525	8.0	7.0
MINIMUM	98,000	76	37	1.0	6.0

	% REMOVAL
BOD	95.8
TSS	97.8

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	S506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: HADNOT POINT MONTH: SEPTEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	3	7.67	356.43	3	6.0	282.84	2	2.45
5-11 SEP	4	10.25	443.62	5	7.2	310.52	3	13.08
12-18 SEP	5	12.0	527.46	5	6.4	276.13	3	8.71
19-25 SEP	5	13.8	623.79	5	8.4	378.47	2	48.78
26-30 SEP	2	13.0	605.73	4	9.5	462.29	3	8.24
MONTHLY	19/20	11.53	516.39	22/20	7.54	341.97	13/12	10.13

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	5299,367	121.7	96.7	4.41	
MAXIMUM	6,756,000	180	250	5.7	6.7
MINIMUM	3,201,000	78	54	3.3	6.3

85%	% REMOVAL
BOD	90.6
TSS	92.2 ~~99.2~~

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	S506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: RIFLE RANGE

MONTH: SEPTEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	1	2.0	3.75	1	1.0	1.88	1	0
5-11 SEP	1	2.0	3.83	2	1.5	2.74	1	0
12-18 SEP	2	3.0	5.88	2	1.5	3.00	2	154.37
19-25 SEP	2	4.5	9.87	2	1.5	3.37	2	0
26-30 SEP	1	5.0	10.64	2	1.0	2.12	2	0
MONTHLY	7/4	3.43	7.10	9/4	1.3	2.71	9/4	4.22

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	232,473	75.9	120.6	4.1	
MAXIMUM	290,300	235	400	4.8	6.8
MINIMUM	175,280	28	33	3.5	6.2

	% REMOVAL
BOD	95.5
TSS	98.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD.	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: COURTHOUSE BAY MONTH: SEPTEMBER YEAR: 1987

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	1	6.0	16.66	1	5.0	13.88	1	2.00
5-11 SEP	1	4.0	9.59	2	4.5	11.43	2	1.41
12-18 SEP	2	6.0	16.00 ~~15~~	2	2.0	5.33	2	5.29
19-25 SEP	2	15.5	52.99	2	6.5	23.07	2	11.83
26-30 SEP	1	10.0	26.85	~~1~~ 2	5.0	14.04	2	0
MONTHLY	7/4	9.0	27.29	9/4	4.56	13.51	9/4	2.93

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	314,250	108.6	103.7	4.6	
MAXIMUM		225	208	6.0	7.0
MINIMUM		72	40	3.0	6.2

	% REMOVAL
BOD	91.7
TSS	95.6

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: ONSLOW BEACH MONTH: SEPTEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-4 SEP	1	7.0	5.81	1	1.0	0.83	1	0
5-11 SEP	1	4.0	3.21	2	2.5	2.10	2	2.83
12-18 SEP	2	7.0	5.98	2	2.0	1.68	2	2.45
19-25 SEP	2	7.5	6.72	2	4.0	3.57	2	39,60
26-30 SEP	1	11.0	10.50	2	1.0	0.94	2	16.73
MONTHLY	7/4	7.28	6.42	9/4	2.22	1.94	9/4	6.51

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	106,860	164.16	102.1	4.3	
MAXIMUM	129,680	300	210	5.5	7.0
MINIMUM	91,700	103	36	3.2	6.3

	% REMOVAL
BOD	95.6
TSS	97.8

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: CAMP GEIGER MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-2 Oct	1	9.0	66.50	1	7.0	51.72	0	0
3-9 Oct	4	12.0	95.54	4	3.0	24.72	3	1.69
10-16 Oct	4	7.75	50.33	4	6.0	38.04	3	0
17-23 Oct	2	15.5	94.97	4	5.75	36.42	3	0
24-30 Oct	4	11.0	75.86	4	4.5	32.56	3	0
MONTHLY	15/8	10.9	76.22	17/8	4.9	34.04	12/8	1.12

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	781,225	167.3	135.2	4.0	6.6
MAXIMUM	1,045,000	250	224	4.6	6.9
MINIMUM	628,000	112	75	4.0	6.4

85%	% REMOVAL
BOD	93.5
TSS	96.4

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	S506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: TARAWA TERRACE MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-2 OCT	1	15.0	111.34	1	7.0	51.96	0	0
3-9 OCT	4	15.75	110.54	4	7.0	49.21	3	2.88
10-16 OCT	4	14.25	100.68	4	8.25	58.19	3	2.00
17-23 OCT	2	18.5	128.11	4	5.5	39.0	3	0
24-30 OCT	3	15.67	87.48	4	3.75	21.10	3	0
MONTHLY	14/8	15.6	105.35	17/8	6.2	42.47	12/8	1.55

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	802,516	235.9	213.8	4.2	6.6
MAXIMUM	980,000	660	613	5.0	6.8
MINIMUM	613,000	115	40	3.9	6.2

85%	% REMOVAL
BOD	93.4
TSS	97.1

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES MG/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES MG/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: CAMP JOHNSON MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-2 OCT	1	9.0	22.29	1	4.0	9.91	0	0
3-9 OCT	4	7.75	17.55	4	2.25	4.95	3	0
10-16 OCT	4	7.25	24.74	4	2.25	7.39	3	0
17-23 OCT	2	9.5	24.94	4	2.0	5.21	3	1.82
24-30 OCT	4	8.5	20.88	4	2.0	4.93	2	0
MONTHLY	15/8	8.13	21.66	17/8	2.2	5.87	11/8	1.18

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	305,871	145.3	133.6	4.6	6.7
MAXIMUM	540,000	220	400	7.3	6.9
MINIMUM	127,000	65	19	3.3	6.3

85%	% REMOVAL
BOD	94.4
TSS	98.4

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: HADNOT POINT MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-2 OCT	1	14	633.66	1	10	452.61	0	0
3-9 OCT	5	17.2	765.49	5	9.2	413.18	3	7.65
10-16 OCT	5	14.4	658.87	5	5.8	262.67	3	4.16
17-23 OCT	3	15.67	706.46	5	2.8	130.56	3	1.59
24-30 OCT	5	16.2	801.06	5	6.8	329.91	3	2.52
31 OCT	1	16.0	683.88	1	6.0	256.46	0	0
MONTHLY	20/20	15.8	728.20	22/20	6.32	290.48	12/12	3.36

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	5,540,065 ~~5,724,733~~	132.8	85.9	4.87	
MAXIMUM	6,949,000	193	134	6.0	6.8
MINIMUM	4,493,000	100	20	3.5	6.3

85%	% REMOVAL
BOD	88.1
TSS	92.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	~~400~~ 400 (F)	200 (F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: RIFLE RANGE MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
3-9 OCT	2	4.5	9.06	2	1.5	3.03	2	0
10-16 OCT	2	3.0	5.51	2	2.5	4.28	2	0
17-23 OCT	1	5.0	9.38	2	1.5	2.90	2	0
24-30 OCT	2	4.0	7.48	2	2.0	3.16	2	0
MONTHLY	7/4	4.0	7.64	8/4	1.9	3.34	8/4	0.0

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	222450	102.3	189	4.1	6.5
MAXIMUM	293,970	143	378	4.5	6.8
MINIMUM	154,420	35	93	3.5	6.0

85%	% REMOVAL
BOD	96.1
TSS	98.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: COURTHOUSE BAY MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
3-9 Oct	2	9.5	29.69	2	7.0	21.90	2	3.46
10-16 Oct	2	9.5	27.42	2	6.0	17.45	2	4.24
17-23 Oct	1	14.0	42.20	2	12.0	35.87	2	2.00
24-30 Oct	2	11.0	34.92	2	3.0	9.55	2	3.16
MONTHLY	7/4	10.6	32.32	8/4	7.0	21.20	8/4	3.10

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	353,613	117.4	118.4	5.1	6.7
MAXIMUM	452,000	240	177	6.0	7.2
MINIMUM	305,400	78	60	1.0	6.0

85%	% REMOVAL
BOD	91.0
TSS	94.1

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES mg/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES mg/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: ONSLOW BEACH MONTH: OCTOBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
3-9 OCT	2	7.5	6.53	2	2.0	1.75	2	0
10-16 OCT	2	11.5	9.64	2	1.5	1.26	2	4.0
17-23 OCT	1	7.0	6.02	2	1.0	0.86	2	2.83
24-30 OCT	2	6.0	4.91	2	1.0	0.82	2	0
MONTHLY	7/4	8.1	6.88	8/4	1.4	1.17	8/4	1.83

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	102,724	128	78.6	4.6	6.5
MAXIMUM	113,200	217	140	6.5	7.0
MINIMUM	92,900	58	15	3.5	6.0

85%	% REMOVAL
BOD	93.7
TSS	98.2

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	S506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: CAMP GEIGER MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	4	16.0	161.14	4	2.5	25.09	2	0
7-13	4	7.25	62.28	4	2.75	23.25	3	0
14-20	4	12.0	106.67	4	3.75	32.22	3	0
21-27	3	10.67	97.63	4	6.25	56.56	3	0
28-30	1	10.0	108.59	1	6.0	65.15	1	0
MONTHLY	16/8	11.44	107.62	17/8	3.94	36.10	12/8	0

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	1,095,233	175.8	173.3	4.0	
MAXIMUM	1,355,000	310 8	490	4.3	6.9
MINIMUM	883,000	84	36	3.9	6.5

% REMOVAL

BOD 93.5

TSS 97.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	# SAMPLES PER MONTH	WEEKLY AVERAGES mg/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES mg/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	# SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: TARAWA TERRACE MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	4	16.75	94.66	4	6.75	38,63	2	2.00
7-13	4	16.00	89.55	4	6.25	32.45	2	0
14-20	4	19.25	104.06	4	6.75	36.94	3	0
21-27	3	17.67	101.69	4	5.25	31.23	3	0
28-30	1	15.0	76.34	1	14.0	71.25	1	0
MONTHLY	16/8	17.25	95.91	17/8	6.71	36.95	11/8	1.13

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	652,100	171.6	102.4	4.15	
MAXIMUM	749,000	224	160	5.0	7.0
MINIMUM	355,500	93	45	4.0	6.6

% REMOVAL

BOD 89.9

TSS 93.5

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: CAMP JOHNSON MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	4	9.5	40.04	4	3.5	14.89	2	0
7-13	4	12.75	33.56	4	3.5	9.18	3	0
14-20	4	11.25	17.21	4	1.75	2.68	3	0
21-27	3	9.0	15.68	4	3.75	6.18	3	0
28-30	1	8.0	29.56	1	6.0	22.17	1	0
MONTHLY	16/8	10.56	27.49	17/8	3.29	9.05	12/8	0

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	3097,008	159.8	100.4	4.2	
MAXIMUM	699,000 ~~130,00~~	300 ~~295~~	257	8.0	7.0
MINIMUM	130,000	88	37	0.0	6.0

% REMOVAL

BOD 93.4

TSS 96.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	# SAMPLES PER MONTH	WEEKLY AVERAGES MG/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES MG/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	# SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	~~400~~ 400 (F)	200 (F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: HADNOT POINT MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	4	14.0	667.33	4	6.5	309.09	3	2.88
7-13	5	14.2	578.81	5	4.6	188.88	2	1.52
14-20	5	27.8	1213.41	5	12.2	530.72	3	47.03
21-27	4	24.25	999.52	5	14.4	609.09	3	81.43
28-30	2	24.5	1062.72	2	17.5	749.80	1	620
MONTHLY	20/20	20.6	887.70	21/20	10.3	446.64	12/12	20.83

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	5,197,733	143.1	102.1	4.8	
MAXIMUM	5827,000	190	1246	6.0	7.0
MINIMUM	4365,000	103	70	4.0	6.4

% REMOVAL

BOD 85.6

TSS 89.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	S506/16	0.525	1	4	46	198.1	30	131.4	1	4		70(T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: RIFLE RANGE MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	1	4.0	7.70	1	6.0	11.55	1	0
7-13	2	3.0	5.83	2	2.5	4.93	2	0
14-20	4	5.0	10.60	2	3.0	5.75	2	0
21-27	1	4.0	8.20	2	2.5	5.08	2	2.00
28-30	1	2.0	3.94	1	2.0	3.94	1	2.00
MONTHLY	6/4	3.5	7.02	8/4	3.0	5.88	8/4	1.30

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	221,826	55.7	125.9	4.3	
MAXIMUM	254,180	88	217	5.5	6.7
MINIMUM	161,780	18	65	3.7	6.0

% REMOVAL

BOD 93.7

TSS 97.6

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: COURTHOUSE BAY MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	2	10.0	25.98	2	5.5	14.11	2	0
7-13	2	7.0	17.39	2	2.5	6.21	2	4.0
14-20	2	10.0	20.68 ~~10.36~~	2	7.5	15.54 ~~6.16~~	2	0
21-27	1	12.0	24.16	2	11.5	23.78	1	20
28-30	1	9.0	27.77	1	12.0	37.03	1	18
MONTHLY	8/4	9.4	22.50	9/4	7.3	17.37	8/4	2.95

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	279263	160.4	193	4.7	
MAXIMUM	370,000	220	585	6.5	7.0
MINIMUM	139,600	104	90	4.0	6.6

% REMOVAL

BOD 91.2

TSS 96.4

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	~~400~~ 400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: ONSLOW BEACH MONTH: NOVEMBER YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6	2	8.0	6.87	2	2.5	2.16	2	2.00
7-13	2	7.0	5.60	2	1.0	0.79	2	0
14-20	2	8.0	6.19	2	1.5	1.16	2	0
21-27	1	6.0	4.61	2	3.0	2.32	1	0
28-30	1	20.0	12.74	1	7.0	4.46	1	0
MONTHLY	8/4	9.0	6.84	9/4	2.56	1.92	8/4	1.19

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	95,958	140.6	205.9	4.2	
MAXIMUM	120,700	220	603	5.4	6.9
MINIMUM	76,380	72	68	2.8	6.2

% REMOVAL

BOD 93.6

TSS 98.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	~~400~~ (F)	200 (F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	S506/16	0.625	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

DATE: 21 JANUARY 1983

FROM: MS. BETZ, QUALITY CONTROL LAB, ENVIR BR, NREAD

TO: MR. SHARPE, SUPERVISORY ECOLOGIST, ENVIR BR, NREAD

SUBJ: STORM DRAIN VIOLATIONS FOR NOVEMBER 1982

1. STORM DRAINS 21-25, 27, 28, 31, 36-38, 42, 43, 45-50, 54, 58-62, 65, 66, 89 AND 90 WERE CHECKED IN NOVEMBER 1982. BELOW IS A LIST OF VIOLATIONS AND A LIST OF DRY DRAINS.

LIST OF VIOLATIONS

SD	LOCATION	PARAMETER	LIMITS	VALUE	DATE	HISTORY
28	TT- BY STT-32	pH	6.0-9.0	9.2	30 NOV	pH4 SS2 OG0
31	HOLCOMB BLVD BY GATE	pH	6.0-9.0	9.1	30 NOV	pH6 SS0 OG1
47	HP- LOUIS ROAD	pH	6.0-9.0	11.2	18 NOV	pH19 SS5 OG9
62	~~COBB~~ MAIN SERVICE RD	SS	50 mg/l	57.0	16 NOV	pH0 SS2 OG2

LIST OF DRY DRAINS

SD	LAST COLLECTION DATE
21	11 AUGUST 1982
22	13 JANUARY 1981
23	13 JANUARY 1981 ~~14 OCTOBER 19~~
24	14 APRIL 1982
27	23 MARCH 1982
37	5+17 FEBRUARY 1981
38	5+17 FEBRUARY 1981
50	24 AUGUST 1981
56	24 AUGUST 1981
58	28 MAY 1981
60	18 MARCH 1981
65	1 FEBRUARY 1982 ~~22 DECEMBER~~ 19
66	2 MARCH 1982
89	2 AUGUST 1982

Elizabeth D Betz

NREAD/EAB/th
6280/2

OCT 28 1982

Regional Administrator
Environmental Protection Agency
Region IV, Water Enforcement Branch
345 Courtland Street
Atlanta, Georgia 30309

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System (NPDES) permit number NC0003239, discharge monitoring reports (DMRs) for the period June, July and August 1982 are submitted. Mr. Art Linton of your agency was advised on 30 September 1982 that the enclosed quarterly report would be delayed due to computer problems Atlantic Division, Naval Facilities Engineering Command were having in printing the DMRs. Also, as explained in the previous quarterly report dated 23 July 1982, the enclosed DMRs have been pen changed to reflect the data called for in the permit.

Camp Johnson Sewage Treatment Plant is missing one of the required two per week fecal coliform samples for the week of 13-19 June 1982, due to operator error. Hadnot Point Sewage Treatment Plant does not have the required five per week BOD samples for the weeks 6-12 and 20-26 June, 18-24 July and 8-21 August 1982 because of a laboratory problem shown by blank controls. Corrective action has been taken which appears to have eliminated the problem.

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

For further pertinent details on any of the above, you may contact Mr. Julian Wooten, Natural Resources and Environmental Affairs Division, telephone (919) 451-5003/2083.

Sincerely,

J. T. MARSHALL
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Enclosures

Copy to:
NC Dept of Nat & Eco Res
CMDR, LANTNAVFACENGCOM (Code 114)

BCC:
Dir Util(BMainD)
OCL (NREAD)

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD June, July and August 1982

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SD 43	O&G	15 mg/l	27.1	8 Jun 1982
SD 43	SS	50 mg/l	90.0	8 Jun 1982
SD 47	pH	6.0-9.0	9.5	8 Jun 1982
SD 47	O&G	15 mg/l	20.2	8 Jun 1982
SD 47	SS	50 mg/l	91.3	8 Jun 1982
SD 42	SS	50 mg/l	220	20 Jul 1982
SD 47	pH	6.0-9.0	10.1	20 Jul 1982
SD 22	SS	50 mg/l	100	11 Aug 1982
SD 30	pH	6.0-9.0	5.7	4 Aug 1982
SD 31	pH	6.0-9.0	9.2	4 Aug 1982
SD 90	pH	6.0-9.0	5.7	2 Aug 1982

ENCLOSURE

NREA/eab

Regional Administrator
Environmental Protection Agency
Region IV, Water Enforcement Branch
345 Courtland Street
Atlanta, Georia 30309

Dear Sir:

Inaccoordance with requirements of National Pollutant Discharge Elimination System permit number NC0003239, discharge monitoring reports for the period June, July and August 1982 are submitted. This quarterly report was delayed due to the late return of July and August 1982 DMRs from Atlantic Division, Naval Facilities Engineering Command which prints the DMRs.

Paragraph 1, of effluent limitation and monitoring requirements for each outfall, under Part I of the NPDES permit number NC0003239 for Marine Corps Base, Camp Lejeune, requires weekly averages to be calculated for compliance of weekly average limits stated fpr the Biochemical Oxygen Demand(BOD), Suspended Solids and Fecal Coliform parameters. Paragraph 2,requires that the monthly percent removal of BODs and suspended solids shall be calculated by comparing monthly average influent to monthly average effluent. The enclosed DMRs, generated by Atlantic Divsion, Naval Facilities Engineering Command, computed the maximum weekly values for compliance with weekly average limits, and alos computed the average of the daily percent removals as the monthly percent removal. The anclosed DMRs have been pen changed to reflect the data called for in the permit.

Camp Johnson Sewage treatment plant is missing one out of the required two per week fecal coliform samples for the week of 13-19 June 1982, due to operator error, Hadnot Point sewage treatment plant does not have the required five per week BOD samples for the weeks 6-12,& 20-26 June, 18-24 Julyy and 8-21 August 1982 because of a laboratory peoblem. This caused Hadnot Point to only have 17BOD samples in June and 19 in Augast out of the required 20 samples/month. The problem shown by the blank controls in the

dilution water, used in the BOD analysis, that from time to time during the last four months has been unacceptable. Initially, the unsatisfactory dilution water was attributed to a bad demineralizer cartidge on the distiller used to produce the distilled water. The continued problem and further probing has shown that a new demineralizer requires a period of use before it provides satisfactory water. The laboratory is presently working out a schedule toaavoid the use of water from too old or new demineralizer cartidges, so as to eeduce the number of BOD samples lost.

The storm drain viola-tions depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drains monitoring points that have been previously provided to your agency. Storm drains that have not values reported for the quarter were checked, however, each time they were checked, they were either dry or had no flow. The base environmental staff is continuing to work on operational control methodology to reduce oil and grease and suspended solids discharges.

For further pertinent details on any of thee above, you may contact Mr. Julian Wooten, Natural Resources and Environmnt Affairs, Telephone (919)451-5003/2083.

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD JUNE, JULY, AUGUST 1982

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SD 43	O&G	15 mg/1	27.1	8 June
SD 43	SS	50 mg/1	90.0	8 June
SD487	pH	6.0-9.0	9.5	8 June
SD 47	O&G	15 mg/1	20.2	8 June
SD 47	SS	50 mg/1	91.3	8 June
SD 42	SS	50 mg/1	220	20 July
SD 47	pH	6.0-9.0	10.1	20 July
SD 22	SS	50 mg/1	100	11 August
SD 30	pH	6.0-9.0	5.7	4 August
SD 31	pH	6.0-9.0	9.2	4 August
SD 90	pH	6.0-9.0	5.7	2 August

Date: 23 June 1982

Memoraddum

From: Ms. Betz, Quality Control Lab, Environmental Section, NREAB, BMaintDiv

To: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

Subj: Storm DrainsViolations for June 1982

1. Storm Drains 22, 23, 27, 34, 35, 37-40, 43, 46, 47, 49, 50, 52, 56, 58, 60-62, 65-69, 71-90 were checked in June 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
43	Hadnot Pt/Behind MC	O&G	15 mg/1	27.1	8 June	pH 1 SS 3 OG 4
	Exchange	SS	50 mg/1	90.0		
47	Hadnot Pt/Supply &	pH	6.0-9.0	9.5	8 June	pH 17SS 5 OG 9
	Indust Area	O&G	15 mg/1	20.2		
		SS	50 mg/1	91.3		

List of Dry Drains

SD	Last Collection Date
22	13 January 1981
23	14 October 1981
27	23 April 1982
34	9 March 1982
35	9 March 1982
37	5 & 17 February 1981
38	5 & 17 February 1981
39	5 & 17 February 1981
40	18 January 1982
46	18 January 1982
50	24 August 1981
52	25 January1982
56	24 August 1981
58	28 May 1981
60	18 March 1981
62	1 February 1982
65	1 February 1982
66	2 March 1982
71	23 February 1982
73	23 December 1981
74	23 March 1982
75	23 November 1981
76	27 April 1981
77	27 April 1981
78	23 November 1981
79	13 August 1981
80	1979
81	23 February 1982

84	23 February 1982
85	23 February 1982
88	29 September 1981
89	24 August 1981
90	25 January 1982

Elizabeth A,,Betz
Supervisory Chemist

Date: 2 August 1982

From: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

To: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

Subj; Storm Drain Violations for July 1982

1. Storm Drains 39-47 and 49 were checked in July 1982. Storm Drains 39 and 40 were the only two not flowing. Below is a list of violations:

SD	Parameter	Limits	Value	Date
42	TSS	50 mg/l	220	20 Jul
47	pH	6.0-9.0	10.1	20 Jul

Elizabeth A. Betz
Supervisory Chemist

Date: 23 September 1982

Memorandum

From: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

To: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

Subj: Storm Drain Violations for August 1982

1. Storm Drains 20-33, 36-40, 50-54, 66, and 73-90 were checked in August 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunkk
22	Montford Pt/Area #3	SS	50 mg/1	100	11 Aug	pH 1 SS 2 OG 0
30	Midway Pk/ Lee Ave & Boundary	pH	6.0-9.0	5.7	4 Aug	pH 5 SS 1 OG 1
31	Midway Pk/Holcomb Blvd by Gate	pH	6.0-9.0	9.2	4 Aug	pH 6 SS 0 OG 1
90	Hadnot Pt/Cross ST	pH	6.0-9.0	5.7	2 Aug	pH 3 SS 1 OG 0

List of Dry Drains

SD	Last Collection Date
22	13 January 1981*
23	14 October 1981
24	14 April 1982
25	14 April 1982
27	23 March 1982
29	16 April 1981*
39	5 & 17 February 1981*
40	18 January 1982
50	24 August 1981
66	2 March 1982
73	23 December 1981
74	23 November 1981
75	23 November 1981
76	27 April 1981
77	27 April 1981
78	23 November 1981
79	13 August 1981
80	1979
84	23 February 1982
85	23 February 1982

Elizabeth A. Betz
Supervisory Chemist

PLANT: CAMP GEIGER MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-5 JUNE	3	6.3	51.01	4	2.75	22.03	3	0
6-12 JUNE	2	8.0	68.92	4	7.0	61.67	3	0
13-19 JUNE	4	8.0	81.69	4	3.25	35.39	3	1.26
20-26 JUNE	3	8.3	80.94	4	4.5	42.90	3	0
27-30 JUNE	2	9.0	85.08	2	5.5	53.51	2	0
MONTHLY	14/8	7.9 ~~7.8~~	73.62	18/8	4.5	41.94	14/8	1.05

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	1,097,100	116	105.7	3.1	
MAXIMUM	1,481,000 ~~75~~	180	187 ~~183~~	3.7	6.9
MINIMUM	753,000	30	20	2.3	6.1

85%	% REMOVAL
BOD	93.2
TSS	95.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD.	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	S501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	S502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	S503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	S504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	S505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	S506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	S507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

CLEAR ALL

PLANT: TARAWA TERRACE MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-5 JUNE	3	13.0	128.84	4	6.0	61.26	3	1.26
6-12 JUNE	2	14.0	119.76	4	8.0	67.66	3	1.59
13-19 JUNE	4	11.25	95.02	4	5.75	51.44	3	1.26
20-26 JUNE	3	11.0	95.64	4	8.25	69.64	3	1.26
27-30 JUNE	2	15.0	132.76	2	9.0	79.25	2	3.46
JUNE MONTHLY	14/8	12.5	111.33	18/8	7.2	64.36	14/8	1.53

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	1,016,443	226.6	245.2	3.7	
MAXIMUM	1,515,600	660	987	4.0	7.0
MINIMUM	807,700	104	43	2.5	6.7

85%	% REMOVAL
BOD	94.5
TSS	97.1

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	# SAMPLES PER MONTH	WEEKLY AVERAGES mg/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES mg/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	# SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: CAMP JOHNSON MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-5 JUNE	3	9.7	15.32	4	4.25	6.99	3	0
6-12 JUNE	2	7.5	16.24	4	4.75	8.97	3	28.84
13-19 JUNE	4	9.75	36.90	4	5.25	20.32	1	0
20-26 JUNE	3	8.0	22.62	4	2.75	6.81	3	0
27-30 JUNE	2	9.5	23.68	2	3.5	8.01	2	0
JUNE MONTHLY	14/8	9.0	24.37	18/8	~~27~~ 4.2	10.47 ~~4.2~~	12/8	2.32

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE	267,833	147.6	128.8	3.9	
MAXIMUM	701,000	215	470	8.0	7.4
MINIMUM	119,000	78	36	1.5	6.0

85%	% REMOVAL
BOD	93.9
TSS	96.7

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES mg/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES mg/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: HADNOT POINT MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-5 JUNE	3	14.7	651.07	4	4.0	176.71	3	1.82
6-12 JUNE	2	10.0	445.77	5	5.6	249.93	3	10.26
13-19 JUNE	5	11.4	505.54	5	5.0	221.88	3	29.75
20-26 JUNE	4	10.5	466.56	5	7.6	336.75	3	62.14
27-30 JUNE	3	11.3	563.68	3	7.0	347.79	2	0
JUNE MONTHLY	17/20	11.6	525.28	22/20	5.8	268.81	14/12	9.38

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	5,405,800	143.4	127.3	3.95	
MAXIMUM	6,092,000	205	290	4.3	6.8
MINIMUM	5,097,000	82	53	3.3	6.4

85%	% REMOVAL
BOD	91.9
TSS	95.4

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES MG/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES MG/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: RIFLE RANGE MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-6 JUNE	1	3.0	7.07	2	4.0	9.10	2	0
6-12 JUNE	1	4.0	8.29	2	2.0	4.00	2	0
13-19 JUNE	2	6.0	14.04	2	1.5	3.51	2	0
20-26 JUNE	1	1.0	2.61	2	1.0	2.36	2	2.83
27-30 JUNE	1	6.0	13.24	1	2.0	4.41	1	0
JUNE MONTHLY	6/4	4.3	9.88	9/4	2.1	4.71	9/4	1.26

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	255,965	44.2	123.2	3.97	
MAXIMUM	312,990	68 ~~58~~	214	4.0	6.8
MINIMUM	189,500	25	60	3.5	6.4

85 %	% REMOVAL
BOD	90.3 ~~91.6~~
TSS	98.2 ~~94.5~~

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES MG/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES MG/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

CLEAR ALL

282590.+
272430.+
243710.+
252710.+
228740.+
1280180.T

236650.+
247870.+
231120.+
214000.+
248260.+
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PLANT: COURTHOUSE BAY MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-5 JUNE	1	14.0	45.31	2	9.5	31.48	2	0
6-12 JUNE	1	8.0	32.73	2	9.0	33.28	2	0
13-19 JUNE	2	10.5	29.08	2	8.5	25.27	2	2.45
20-26 JUNE	1	8.0	29.57	2	6.5	20.24	2	0
27-30 JUNE	1	14.0	43.22	1	3.0	9.26	1	0
JUNE MONTHLY	6/4	10.8	34.83	9/4	7.8	25.54	9/4	1.22

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE	364,900	128.8	143.1 ~~3.97~~	3.97	
MAXIMUM	525,600	170	375	4.0	7.2
MINIMUM	265,100	80 ~~70~~	50	3.5	6.6

85%	% REMOVAL
BOD	91.6
TSS	94.5

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES mg/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES mg/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: ONSLOW BEACH MONTH: JUNE YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-5 JUNE	1	7.0	5.838	2	5.5	4.57	2	0
6-12 JUNE	1	8.0	6.54	2	5.0	4.48	2	6.32
13-19 JUNE	2	9.5	7.55	2	3.0	2.48	2	28.64
20-26 JUNE	1	5.0	4.91	2	2.5	2.36	2	0
27-30 JUNE	1	15.0	12.38	1	3.0	2.48	1	0
JUNE MONTHLY	6/4	9.0	7.43	9/4	3.9	3.36	9/4	3.18

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	111,533	146.2	55.7	3.9	
MAXIMUM	145,000	228	84	4.0	7.2
MINIMUM	89,000	~~15~~ 90	43	3.0	6.0

85%	% REMOVAL
BOD	93.8
TSS	92.99

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: CAMP GEIGER

MONTH: JULY 19 YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	2	7.0	51.21	2	5.0	34.61	1	0
4-10 JULY	4	5.0	36.40	4	4.6	29.81	3	0
11-17 JULY	4	6.75	42.42	4	9.25	60.97	3	0
18-24 JULY	3	5.6	38.34	4	8.25	65.36	3	0
25-31 JULY	4	7.25	49.88	4	11.25	73.83	3	0
JULY MONTHLY	17/8	6.2	43.88	18/8	7.8	54.95	13/8	0

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	872,097	100.1	115.2	3.0	
MAXIMUM	1161,000	178	207	3.8	6.8
MINIMUM	565000	56	43	2.3	6.1

85%	% REMOVAL
BOD	93.8
TSS	93.2

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: TARAWA TERRACE

MONTH: JULY YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	2	9.0	76.87	2	8.0	68.39	1	0
4-10 JULY	4	11.5	99.19	4	9.75	84.07	3	0
11-17 JULY	4	12.5	129.85	4	9.5	100.34	3	0
18-24 JULY	3	7.7	72.18	4	5.0	45.64	3	3.17
25-31 JULY	4	10.0	100.42	4	11.0	113.24	3	5.34
JULY MONTHLY	17/8	10.4	99.3	18/8	8.7	83.89	13/8	1.92

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	1,108,690	128	137	3.65	
MAXIMUM	1,707,500	172	393	5.0	7.0
MINIMUM	945,400	68	57	2.0	6.4

85%	% REMOVAL
BOD	91.9
TSS	93.6

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: CAMP JOHNSON MONTH: JULY YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	2	7.0	12.91	2	1.5	2.61	1	0
4-10 JULY	4	6.75	10.91	4	3.0	5.15	3	0
11-17 JULY	4	7.25	34.38	4	5.75	30.86	3	1.26
18-24 JULY	3	5.3	16.03	4	2.75	8.63	3	7.47
25-31 JULY	4	15.5	66.37	4	7.25	41.95	3	0
MONTHLY	17/8	8.7	30.62	18/8	4.3	19.53	13/8	1.68

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	389,161	122	105.5	3.9	
MAXIMUM	1,008,000	292	232	6.0	7.0
MINIMUM	133,000	43	42	2.2	6.1

85%	% REMOVAL
BOD	92.9
TSS	95.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: HADNOT POINT MONTH: JULY YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	2	9.0	362.3	2	6.0 &	249.19	1	0
4-10 JULY	5	7.4	339.95	5	7.4	340.59	3	36.34
11-17 JULY	5	10.0	547.43	5	8.2	441.64	3	49.54
18-24 JULY	4	8.5	444.08	5	6.6	360.98	3	35.95
25-31 JULY	3	12.8	750.33	5	9.6	569.57	3	22.37
JULY MONTHLY	21/20	9.7	509.03	22/20	7.8	411.92	13/12	26.41

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE	6,051,225.8	132.1	128.1	4.2	
MAXIMUM	10,000,000	232	272	6.5	6.8
MINIMUM	4,340,000	70	40	3.8	6.2

85 %	% REMOVAL
BOD	92.7
TSS	93.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

CLEAR ALL

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PLANT: RIFLE RANGE MONTH: JULY YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	1	3.0	8.68	1	2.0	5.79	1	0
4-10 JULY	1	3.0	5.82	2	3.0	5.90	2	0
11-17 JULY	2	3.0	6.87	2	3.5	8.06	2	0
18-24 JULY	1	2.6	5.20	2	2.5	6.04	2	0
25-31 JULY	2	3.0	7.55	2	4.0	9.16	2	2
JULY MONTHLY	7/4	2.9	6.93	9/4	3.1	7.12	9/4	1.17

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	257,341	37.6	96.6	3.8	
MAXIMUM	347,000	80	168	4.4	6.8
MINIMUM	184,650	12	35	3.0	6.2

85%	% REMOVAL
BOD	92.3
TSS	96.8

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: COURTHOUSE BAY MONTH: JULY YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	1	6.0	12.79	1	4.0	8.52	1	2.0
4-10 JULY	2	11.0	28.42	2	12.0	30.93	2	0
11-17 JULY	2	14.5	42.89	2	22.0	65.01	2	1.41
18-24 JULY	1	4.0	12.90	2	12.0	34.38	2	0
25-31 JULY	2	12.0	48.64	2	17.5	67.68	2	3.16
JULY MONTHLY	8/4	10.6	33.20	9/4	14.6	44.95	9/4	1.51

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	328,481	109.6	150.1	4.1	
MAXIMUM	533,500	163	283	5.5	7.4
MINIMUM	238,000	65	74	3.0	6.6

85%	% REMOVAL
BOD	90.3
TSS	90.3

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.625	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: ONSLOW BEACH MONTH: JULY YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-3 JULY	1	6.0	3.90	1	1.0	0.65	1	0
4-10 JULY	2	7.5	5.63	2	3.0	2.19	2	0
11-17 JULY	2	6.5	4.68	2	6.0	4.20	2	0
18-24 JULY	1	2.0	1.93	2	4.5	3.05	2	2.83
25-31 JULY	2	28	23.94	2	13.5	11.06	2	7.75
JULY MONTHLY	8/4	11.5	9.29	9/4	6.1	4.63	9/4	1.99

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE	85,290	90.4	54.5	4.5	
MAXIMUM	141,000	143	88	8.0	7.2
MINIMUM	61,000	65	9	2.3	6.3

85%	% REMOVAL
BOD	87.3
TSS	88.8

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.625	1	4	45	198.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

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PLANT: CAMP GEIGER

MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUG	4	8.5	82.65	4	5.0	49.37	3	0
8-14 AUG	2	6.5	65.05	4	5.0	48.97	3	140.9
15-21 AUG	3	10.3	100.18	4	8.75	86.94	3	0
22-28 AUG	4	8.25	71.34	4	5.0	43.28	3	1.26
29-31 AUG	1	8.0	36.45	1	5.0	22.78	1	0
MONTHLY	14/8	8.5	77.37	17/8	5.9	54.88	13/8	3.30

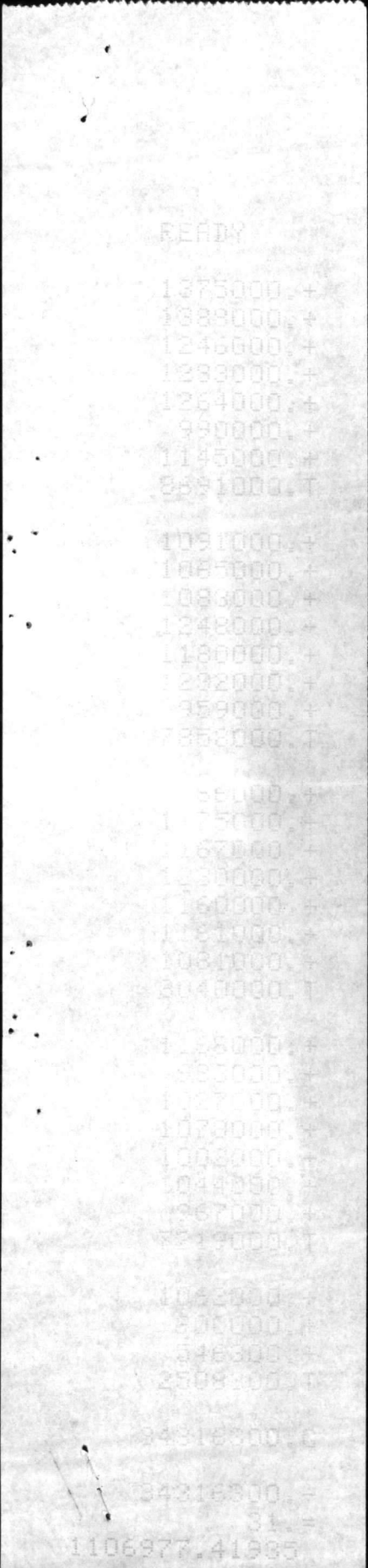
INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	1,106,977	146.5	171.4	3.4	
MAXIMUM	1,388,000	240	480	4.0	6.7
MINIMUM	546,300	100	81	2.5	6.2

85%	% REMOVAL
BOD	94.2
TSS	96.5

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)



PLANT: TARAWA TERRACE MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUG	4	10.75	82.33	4	8.0	61.29	3	1.26
8-14 AUG	2	12.0	89.37	4	8.75	64.00	3	148.09
15-21 AUG	3	14.7	89.45	4	10.75	67.57	3	0
22-28 AUG	4	12.5	85.25	4	7.5	50.56	3	1.26
29-31 AUG	1	16.0	92.55	1	9.0	52.06	1	4.0
AUGUST MONTHLY	14/8	12.6	86.42	17/8	8.8	60.34	13/8	3.92

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	874,997	151.6	218.8	3.8	
MAXIMUM	2,000,000	182	590	4.4	7.0
MINIMUM	536,600	113	70	3.2	6.5

85%	% REMOVAL
BOD	91.4
TSS	95.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: CAMP JOHNSON

MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUG	4	8.0	34.28	4	3.75	15.55	3	3.48
8-14 AUG	2	4.5	18.96	4	1.75	5.91	3	223.47
15-21 AUG	3	6.7	12.52	4	3.75	7.49	3	0
22-28 AUG	3	5.0	13.39	3	4.0	10.79	3	0
29-31 AUG	1	4.0	4.40	1	2.0	2.20	1	0
AUGUST MONTHLY	13/8	6.15	19.78	16/8	3.2	9.40	13/8	4.64 ~~5.69~~

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	332,613	109.3	101.6	4.7	
MAXIMUM	618,000	175	240	8.0	7.0
MINIMUM	132,000	33	32	2.8	6.0

85%	% REMOVAL
BOD	94.4
TSS	97.1

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: HADNOT POINT MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUGUST	5	10.2	545.20	5	6.2	325.72	3	0
8-14 AUG	3	8.3	468.67	5	4.4	258.64	3	3.30
15-21 AUG	4	10.5	532.90	5	7.6	384.08	3	11.77
22-28 AUG	5	8.8	424.17	5	6.0	287.65	3	4.93
29-31 AUG	2	9.0	414.29	2	5.0	230.16	1	0
AUGUST MONTHLY	19/20	9.5	484.90	22/20	6.0	306.40	13/12	3.36

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE	6,151,839	116.6	84.09	4.8	
MAXIMUM	7,212,000	165	~~134~~ 150	6.8	7.2
MINIMUM	5,162,000	84	48	4.0	6.3

85%	% REMOVAL
BOD	91.9
TSS	92.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	~~400~~ 700 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: RIFLE RANGE

MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD mg/L	BOD LBS/DAY	TSS # SAMPLE	TSS mg/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUG	2	4.0	8.94	2	1.5	3.28	2	2.00
8-14 AUG	1	7.0	15.11	2	1.5	3.31	2	0
15-21 AUG	2	5.0	10.94	2	2.0	4.37	2	0
22-28 AUG	2	3.5	6.95	2	2.0	3.73	2	0
29-31 AUG	1	2.0	3.59	1	1.0	1.79	1	0
MONTHLY	8/4	4.25	9.04	9/4	1.7	3.46	9/4	1.17

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE	252,701	61.5	123.2	4.0 ~~3.9~~	
MAXIMUM	306,870	104	275	4.8	6.8
MINIMUM	183,890	30	33	3.4	6.2

85%	% REMOVAL
BOD	93.2
TSS	98.3

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES mg/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES mg/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

PLANT: COURTHOUSE BAY MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUG	2	9.5	31.37	2	8.5	28.06	2	0
8-14 AUG	1	24.0	83.27	2	11.5	38.83	2	0
15-21 AUG	2	9.5	26.93	2	5.5	15.60	2	1.41
22-28 AUG	2	8.0	19.35	2	8.5	20.77	2	2.45
29-31 AUG	1	10.0	26.98	1	6.0	16.19	1	0
MONTHLY	8/4	11.0	33.19	9/4	8.2	24.74	9/4	1.32

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	356,648	106.1	98.7	4.2	
MAXIMUM	493,200	176	182	6.0	7.0
MINIMUM	277,000	40	49	3.0	6.6

85%	% REMOVAL
BOD	89.6
TSS	91.9

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	WEEKLY AVERAGES MG/L	WEEKLY AVERAGES LBS/DAY	MONTH AVERAGES MG/L	MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	GEOMETRIC MEAN WEEKLY	GEOMETRIC MEAN MONTHLY
CAMP GEIGER	SS01/11	1.60	2	8	45	600.8	30	400.6	2	8	400(F)	200(F)
TARAWA TERRACE	SS02/13	1.25	2	8	45	469.4	30	312.9	2	8	400(F)	200(F)
CAMP JOHNSON	SS03/13	1.00	2	8	45	375.5	30	250.3	2	8	400(F)	200(F)
HADNOT POINT	SS04/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70(T)
RIFLE RANGE	SS05/15	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
COURTHOUSE BAY	SS06/16	0.525	1	4	45	197.1	30	131.4	1	4		70(T)
ONSLOW BEACH	SS07/17	0.200	1	4	45	75.1	30	50.1	1	4		70(T)

PLANT: ONSLOW BEACH

MONTH: AUGUST YEAR: 1982

EFFLUENT AVERAGES

WEEK OF:	BOD # SAMPLE	BOD MG/L	BOD LBS/DAY	TSS # SAMPLE	TSS MG/L	TSS LBS/DAY	COLIFORM # SAMPLE	COLIFORM GEOMETRIC MEAN
1-7 AUG	2	9.0	9.93	2	8.5	8.98	2	49.64
8-14 AUG	1	13.0	13.15	2	3.0	2.51	2	0
15-21 AUG	2	11.0	9.75	2	6.0	5.32	2	2.00
22-28 AUG	2	9.0	10.28	2	5.5	~~5.5~~ 6.30	2	~~2.83~~
29-31 AUG	1	8.0	6.42	1	3.0	2.41	1	6.00
MONTHLY	8/4	9.9	9.94	9/4	5.4	5.40	9/4	4.27

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD MG/L	TSS MG/L	Cl_2 PPM	pH
AVERAGE	113,958	123.3	68.1	4.7	
MAXIMUM	149,730	240	220	8.1	7.2
MINIMUM	96,000	50	13	2.7	6.0

85%	% REMOVAL
BOD	91.9
TSS	92.6

PERMIT REQUIREMENTS + LIMITS

PLANT	SERIAL #	FLOW MGD	BOD + TSS # SAMPLES PER WEEK	BOD + TSS # SAMPLES PER MONTH	BOD + TSS WEEKLY AVERAGES MG/L	BOD + TSS WEEKLY AVERAGES LBS/DAY	BOD + TSS MONTH AVERAGES MG/L	BOD + TSS MONTH AVERAGES LBS/DAY	COLIFORM # SAMPLES PER WEEK	COLIFORM # SAMPLES PER MONTH	COLIFORM GEOMETRIC MEAN WEEKLY	COLIFORM GEOMETRIC MEAN MONTHLY
CAMP GEIGER	5501/11	1.60	2	8	45	600.8	30	400.6	2	8	400 (F)	200 (F)
TARAWA TERRACE	5502/13	1.25	2	8	45	469.4	30	312.9	2	8	400 (F)	200 (F)
CAMP JOHNSON	5503/13	1.00	2	8	45	375.5	30	250.3	2	8	400 (F)	200 (F)
HADNOT POINT	5504/14	8.00	5	20	45	3004.2	30	2002.8	3	12		70 (T)
RIFLE RANGE	5505/15	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
COURTHOUSE BAY	5506/16	0.525	1	4	45	197.1	30	131.4	1	4		70 (T)
ONSLOW BEACH	5507/17	0.200	1	4	45	75.1	30	50.1	1	4		70 (T)

MONTH: JUNE YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: CG													
WEEK OF: 1-5		6				3							
6-12		8				7							
13-19		8				3							
20-26		8				5				MIN	6.1	2.3	
27-30		9				6				MAX	6.9	3.7	
MONTHLY AVERAGE	116	7.9	93.2	91.9	105.7	4.5	95.7	93.8	1.05	AVE	6.4	3.1	1,097,100
PLANT: TT													
WEEK OF: 1-5		13				6							
6-12		14				8							
13-19		11				6							
20-26		11				8				MIN	6.7	2.5	
27-30		15				9				MAX	7.0	4.0	
MONTHLY AVERAGE	226.6	12.5	94.5	92.6	245.2	7.2	97.1	94.5	1.53	AVE	6.8	3.7	1,016,443
PLANT: CJ													
WEEK OF: 1-5		10				4							
6-12		8				5							
13-19		10				5							
20-26		8				3				MIN	6.0	1.5	
27-30		10				4				MAX	7.4	8.0	
MONTHLY AVERAGE	147.6	9.0	93.9	93.1	128.8	4.2	96.7	95.3	2.32	AVE	6.5	3.9	267,833
PLANT: HP													
WEEK OF: 1-5		15				4							
6-12		10				6							
13-19		11				5							
20-26		11				8				MIN	6.4	3.3	
27-30		11				7				MAX	6.8	4.0	
MONTHLY AVERAGE	143.4	11.6	91.9	91.5	127.3	5.8	95.4	94.4	9.38	AVE	6.6	3.9	5,405,800

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

MONTH: JUNE YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: RR													
WEEK OF: 1-5		3				4							
6-12		14				2							
13-19		16				9.5							
20-26		8				6.5				MIN	6.4	3.5	
27-30		6				2				MAX	6.8	4.0	
MONTHLY AVERAGE	44.2	4.3	90.3	90.3	123.2	2.1	98.2	98.1	1.26	AVE	6.6	3.9	255,965
PLANT: CHB													
WEEK OF: 1-5		14				9.5							
6-12		8				9							
13-19		10.5				8.5							
20-26		8				6.5				MIN	6.6	3.5	
27-30		14				3				MAX	7.2	4.0	
MONTHLY AVERAGE	128.8	10.8	91.6	91.0	143.1	7.8	94.5	93.1	1.25	AVE	6.9	4.0	364,900
PLANT: OB													
WEEK OF: 1-5		7				5.5							
6-12		8				5							
13-19		9.5				3							
20-26		5				2.5				MIN	6.0	3.2	
27-30		15				3.				MAX	7.2	4.0	
MONTHLY AVERAGE	146.2	9.0	93.8	93.3	55.7	3.9	93	93	3.17	AVE	6.6	3.9	111,533
PLANT:													
WEEK OF:													
										MIN			
										MAX			
MONTHLY AVERAGE										AVE			

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

MONTH: JULY YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: CG													
WEEK OF: 1-3		7				5			0				
4-10		5				4			0				
11-17		6.75				9.25			0				
(MIN) 18-24	56	5			43	8.25			0	MIN	6.1	2.3	
(MAX) 25-31	178	7.25			207	11.25			0	MAX	6.8	3.8	
MONTHLY AVERAGE	100.1	6.2	93.8	93.1	115	7.8	93.2	90.9	0	AVE	6.49	3.0	872 096.77
PLANT: TT													
WEEK OF: 1-3		9				8							
4-10		11.5				9.75							
11-17		12.5				9.5							
18-24		7.7			42	5.0				MIN	6.4	2.0	
25-31		10			232	11.0				MAX	7.0	5.0	
MONTHLY AVERAGE	128	10.4	91.9	91.7	137	8.7	93.6	91.2	1.92	AVE	6.7	3.65	1,108,690
PLANT: CJ													
WEEK OF: 1-3		7				1.5			0				
4-10		6.75				3			0				
11-17		7.25				5.75			1.26				
18-24		5.3			57	2.75			7.46	MIN	6.1	2.2	
25-31		15.5			393	7.25			0	MAX	7.0	6.0	
MONTHLY AVERAGE	122.4	8.7	92.9	91.1	105.5	4.3	95.9	95.0	1.68	AVE	6.45	3.9	389,161
PLANT: HP													
WEEK OF: 1-3		9				6							
4-10		7.4				7.4							
11-17		10				8.2							
18-24	70	8.5			40	6.6				MIN	6.2	3.8	
25-31	232	12.8			272	9.6				MAX	6.8	6.5	
MONTHLY AVERAGE	132.1	9.7	92.65	92.6	128	7.8	93.9	92.9	26.41	AVE	6.56	4.2	6,051,225.8

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

MONTH: YEAR:

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: RR													
WEEK OF: 1-3		3				2							
4-10		3				3							
11-17		3				3,5							
18-24	12	2			35	2,5				MIN	6,2	3,2	
25-31	80	3			168	4				MAX	6,8	4,4	
MONTHLY AVERAGE	37,6	2,9	92,3	88,55	96,6	3,1	96,8	95,7	1,17	AVE	6,6	3,8	257341
PLANT: CHB													
WEEK OF: 1-3		6				4							
4-10		11				12							
11-17		14,5				22							
18-24	65	4			74	12				MIN	6,6	3,0	
25-31	163	12			283	17,5				MAX	7,4	5,5	
MONTHLY AVERAGE	109,6	10,6	90,3	89,6	150	14,6	90,3	89,7	1,51	AVE	6,87	4,1	328480,6
PLANT: RR													
WEEK OF: 1-3		6				1							
4-10		7,5				3							
11-17		6,5				6							
18-24	65	2			9	4,5				MIN	6,3	2,3	
25-31	143	28			88	13,5				MAX	7,2	8,0	
MONTHLY AVERAGE	90,4	11,5	87,3	86,6	54,6	6,1	88	87,7	1,99	AVE	6,68	4,5	85290,3
PLANT:													
WEEK OF:													
										MIN			
										MAX			
MONTHLY AVERAGE										AVE			

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

MONTH: # AUGUST YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	Res. Cl_2	FLOW
PLANT: CG													
WEEK OF: 1-7		8.5				5.0			0				
8-14		6.5				5.0			140.94				
15-21		10.3				8.75			0				
22-28	100	8.25			81	5.0			1.2599	MIN	6.2	2.5	
29-31	240	8			480	5.0			0	MAX	6.7	4.0	
MONTHLY AVERAGE	146.5	8.5	94.2	93.9	171.4	5.9	96.5	96.1	3.30	AVE		3.4	1,106,977
PLANT: TT													
WEEK OF: 1-7		10.75				8.0			1.2599				
8-14		12.0				8.75			148.09				
15-21		14.7				10.75			0				
22-28	113	12.5			70	7.5			1.2599	MIN	6.5	3.2	
29-31	182	16			590	9.0			4	MAX	7.0	4.4	
MONTHLY AVERAGE	151.6	12.6	91.4	91.6	218.8	8.8	95.9	93.9	3.92	AVE		(78) 3.8	874996.8
PLANT: CT													
WEEK OF: 1-7		8.0				3.75			3.476				
8-14		4.5				1.75			223.47				
15-21		4.7				3.75			0				
22-28	33	5.0			32	4.0			0	MIN	6.0	2.8	
29-31	175	4.0			240	2			0	MAX	7.0	8.0	
MONTHLY AVERAGE	109.3	6.2	94.5	92.7	101.6	3.2	97.1	95.3	4.64	AVE		4.7	332612.9
PLANT: HP													
WEEK OF: 1-7		10.2 ~~6.2~~				6.2							
8-14		8.3 ~~4.6~~				4.6							
15-21		10.5				7.6							
22-28	84	8.8			48	6.0				MIN	6.3	4.0	
29-31	165	9.0			150	5.0				MAX	7.2	6.5	
MONTHLY AVERAGE	116.6	9.5	91.9	91.9	84.1	6.0	92.8	92.8	3.36	AVE		4.6	6,151,838.7

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

MONTH: AUGUST YEAR: 1982

	BOD INF	BOD EFF	BOD (1) %	BOD (2)	TSS INF	TSS EFF	TSS (1) %	TSS (2)	(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: RR WEEK OF: 1-7		4.0				1.5							
8-14		7.0				1.5							
15-21		5.0				2.0							
22-28	30	3.5			33	2.0				MIN	6.2	3.4	
29-31	104	2.0			275	1.0				MAX	6.8	4.8	
MONTHLY AVERAGE	61.5	4.2	93.2	91.2	123.2	1.7	98.3	97.7	1.16	AVE		4.0	252,700.6
PLANT: CHB WEEK OF: 1-7		9.5				8.5							
8-14		24				11.5							
15-21		9.5				5.5							
22-28	40	8.0			55	8.5				MIN	6.6	3.0	
29-31	176	10.0			182	6.6				MAX	7.0	6.0	
MONTHLY AVERAGE	106.1	11	89.6	88	98.7	8.2	91.9	90.8	1.32	AVE		4.2	356,648.4
PLANT: DB WEEK OF: 1-7		9.0				8.5							
8-14		13.0				3.0							
15-21		11.0				6.0							
22-28	50	9.0			13	5.5				MIN	6.0	2.7	
29-31	240	8.0			220	3.0				MAX	7.2	8.1	
MONTHLY AVERAGE	123.2	9.9	91.9	89.9	68.1	5.4	92.6	86.7	4.27	AVE		4.7	113.957.7
PLANT: WEEK OF:													
										MIN			
										MAX			
MONTHLY AVERAGE										AVE			

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

PERMITTEE NAME/ADDRESS (*Include Facility Name/Location if different*)

NAME COMMANDING GENERAL

ADDRESS MARINE CORPS BASE
CAMP LEJEUNE NC 28542

FACILITY UIC 67001

LOCATION LANTDIV

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (*NPDES*)
DISCHARGE MONITORING REPORT (*DMR*)

Form Approved
OMB No. 2000-0015
29 JUL 82

(2-16) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 029

SD29 STORM DRAIN DOWNSTREAM OF: POL STORAGE/GREASERACK (TO BE E

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	82	06	01	TO	82	06	30

DISCHARGES LIMINATED)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
00056 FLOWRATE	SAMPLE MEASUREMENT			GPD	**********	**********	**********			000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	NOT QUANTIFIED			**********	**********	**********			001/90	GRAB
00403 PH LABORATORY	SAMPLE MEASUREMENT	**********	**********		**********	**********	**********			000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	**********	**********		6.0000	**********	9.0000			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	**********	**********		**********	**********	**********	MG/L		000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	**********	**********		**********	**********	50.0000			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LB/ DAY	**********	**********	**********			000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	NOT QUANTIFIED			**********	**********	**********			001/90	GRAB
70350 OIL AND GREASE	SAMPLE MEASUREMENT	**********	**********		**********	**********	**********	MG/L		000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	**********	**********		**********	**********	15.0000			001/90	GRAB
70350 OIL AND GREASE	SAMPLE MEASUREMENT			LB/ DAY	**********	**********	**********			000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	NOT QUANTIFIED			**********	**********	**********			001/90	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

GENERAL INSTRUCTIONS

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "PERMITTEE NAME/MAILING ADDRESS (and facility name/location, if different)," "PERMIT NUMBER," and "DISCHARGE NUMBER" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "MONITORING PERIOD" covered by form where indicated.
4. Enter each "PARAMETER" as specified in monitoring requirements of permit.
5. Enter "SAMPLE MEASUREMENT" data for each parameter under "QUANTITY" and "QUALITY" in units specified in permit. "AVERAGE" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "MONITORING PERIOD." "MAXIMUM" and "MINIMUM" are normally extreme high and low measurements obtained during "MONITORING PERIOD." (NOTE to municipals with secondary treatment requirement, enter 30-day average of sample measurements under "AVERAGE" and enter maximum 7-day average of sample measurements obtained during monitoring period under "MAXIMUM".
6. Enter "PERMIT REQUIREMENT" for each parameter under "QUANTITY" and "QUALITY" as specified in permit.
7. Under "NO. EX" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "FREQUENCY OF ANALYSIS" both as "SAMPLE MEASUREMENT" (actual frequency of sampling and analysis used during monitoring period) and as "PERMIT REQUIREMENT" specified in permit. (e.g., Enter "CONT." for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
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10. WHERE VIOLATIONS OF PERMIT REQUIREMENTS ARE REPORTED, ATTACH A BRIEF EXPLANATION TO DESCRIBE CAUSE AND CORRECTIVE ACTIONS TAKEN, REFERENCE EACH VIOLATION BY DATE.
11. If "no discharge" occurs during monitoring period, enter "NO DISCHARGE" across form in place of data entry.
12. Enter "NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER" with "SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT," "TELEPHONE NUMBER" and "DATE" at bottom of form.
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14. More detailed instructions for use of this DISCHARGE MONITORING REPORT (DMR) form may be obtained from Office(s) specified in permit.

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PERMITTEE NAME/ADDRESS (*Include Facility Name/Location if different*)

NAME COMMANDING GENERAL

ADDRESS MARINE CORPS BASE
CAMP LEJEUNE NC 28542

FACILITY UIC 67001

LOCATION LANTDIV

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (*NPDES*)
DISCHARGE MONITORING REPORT (*DMR*)

Form Approved
OMB No. 2000-0015

29 JUL 82

(2-16) NC0003239 PERMIT NUMBER

(17-19) 033 DISCHARGE NUMBER

SD33 STORM DRAIN DOWNSTREAM OF: GREASERACK DISCHARGE (TO BE ELIMINATED)

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	82	06	01	TO	82	06	30
	(20-21)	(22-23)	(24-25)		(26-27)	(28-29)	(30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
00056 FLOWRATE M= NO SAMPLE	SAMPLE MEASUREMENT			GPD	**********	**********	**********			000/30	
	PERMIT REQUIREMENT	NOT QUANTIFIED			**********	**********	**********			001/90	GRAB
00403 PH LABORATORY M= NO SAMPLE	SAMPLE MEASUREMENT	**********	**********		**********	**********	**********			000/30	
	PERMIT REQUIREMENT	**********	**********		6.0000	**********	9.0000			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS M= NO SAMPLE	SAMPLE MEASUREMENT	**********	**********		**********	**********	**********	MG/L		000/30	
	PERMIT REQUIREMENT	**********	**********		**********	**********	50.0000			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS M= NO SAMPLE	SAMPLE MEASUREMENT			LB/ DAY	**********	**********	**********			000/30	
	PERMIT REQUIREMENT	NOT QUANTIFIED			**********	**********	**********			001/90	GRAB
70350 OIL AND GREASE M= NO SAMPLE	SAMPLE MEASUREMENT	**********	**********		**********	**********	**********	MG/L		000/30	
	PERMIT REQUIREMENT	**********	**********		**********	**********	15.0000			001/90	GRAB
70350 OIL AND GREASE M= NO SAMPLE	SAMPLE MEASUREMENT			LB/ DAY	**********	**********	**********			000/30	
	PERMIT REQUIREMENT	NOT QUANTIFIED			**********	**********	**********			001/90	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER			TELEPHONE		DATE		
	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*	SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE	NUMBER	YEAR	MO	DAY
TYPED OR PRINTED							

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

GENERAL INSTRUCTIONS

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3. Enter dates beginning and ending "MONITORING PERIOD" covered by form where indicated.
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PERMITTEE NAME/ADDRESS (*Include Facility Name/Location if different*)

NAME COMMANDING GENERAL

ADDRESS MARINE CORPS BASE

CAMP LEJEUNE NC 28542

FACILITY MCIEAST

LOCATION LANTDIV

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (*NPDES*)

DISCHARGE MONITORING REPORT (*DMR*)

Form Approved
OMB No. 2000-0015

(2-16) PERMIT NUMBER	(17-19) DISCHARGE NUMBER
NC0025...	001

MONITORING PERIOD

	YEAR (20-21)	MO (22-23)	DAY (24-25)		YEAR (26-27)	MO (28-29)	DAY (30-31)
FROM	92	06	01	TO	92	06	30

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) QUANTITY OR LOADING (46-53) AVERAGE	(54-61) MAXIMUM	UNITS	(4 Card Only) QUALITY OR CONCENTRATION (38-45) MINIMUM	(46-53) AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
00056 FLOWRATE NO SAMPLE	SAMPLE MEASUREMENT			GPD						030/30	
	PERMIT REQUIREMENT	NOT QUANTIFIED								001/DAY	GRAB
00403 PH LABORATORY NO SAMPLE	SAMPLE MEASUREMENT									030/30	
	PERMIT REQUIREMENT				6.0		9.0	STD UNITS		001/DAY	GRAB
00530 TOTAL SUSPENDED SOLIDS NO SAMPLE	SAMPLE MEASUREMENT							MG/L		030/30	
	PERMIT REQUIREMENT						45.0			001/DAY	24HR COMP
00530 TOTAL SUSPENDED SOLIDS NO SAMPLE	SAMPLE MEASUREMENT			LBS/ DAY						030/30	
	PERMIT REQUIREMENT	NOT QUANTIFIED								001/DAY	24HR COMP
00350 OIL AND GREASE NO SAMPLE	SAMPLE MEASUREMENT							MG/L		030/30	
	PERMIT REQUIREMENT						15.0			001/DAY	GRAB
00350 OIL AND GREASE NO SAMPLE	SAMPLE MEASUREMENT			LBS/ DAY						030/30	
	PERMIT REQUIREMENT	NOT QUANTIFIED								001/DAY	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER		TELEPHONE		DATE		
	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*		AREA CODE / NUMBER	YEAR	MO	DAY
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT				

COMMENT AND EXPLANATION OF ANY VIOLATIONS (*Reference all attachments here*)

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*

NAME COMMANDING GENERAL
ADDRESS MARINE CORPS BASE
CAMP LEJEUNE NC 28542

FACILITY UIC 67001
LOCATION LANTDIV

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2000-0015

(2-16)	*(17-19)*
NC0003239	033
PERMIT NUMBER	**DISCHARGE NUMBER**

SD33
STORM DRAIN DOWNSTREAM OF
GREASERACK DISCHARGE
ST[illegible]

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	82	06	01	TO	82	06	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUALITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
00056	SAMPLE MEASUREMENT			GPD	************	************	************			000/30	
FLOWRATE M= NO SAMPLE	PERMIT REQUIREMENT	NOT QUANTIFIED			************	************	************			001/90	GRAB
00403	SAMPLE MEASUREMENT	************	************		************	************	************			000/30	
PH LABORATORY M= NO SAMPLE	PERMIT REQUIREMENT	************	************		6.0000	************	9.0000			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT	************	************		************	************	************	MG/L		000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	************	************		************	************	[illegible]			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS	SAMPLE MEASUREMENT			LB/DAY	************	************	************			000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	NOT QUANTIFIED			************	************	************			001/90	GRAB
00550 OIL AND GREASE	SAMPLE MEASUREMENT	************	************		************	************	************	MG/L		000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	************	************		************	************	[illegible]			001/90	GRAB
00550 OIL AND GREASE	SAMPLE MEASUREMENT			LB/DAY	************	************	************			000/30	
M= NO SAMPLE	PERMIT REQUIREMENT	NOT QUANTIFIED			************	************	************			001/90	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

GENERAL INSTRUCTIONS

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*

NAME COMMANDING GENERAL
ADDRESS MARINE CORPS BASE
CAMP LEJEUNE NC 28542

FACILITY UIC 67001
LOCATION LANTDIV

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

Form Approved
OMB No. 2000-0015

PERMIT NUMBER *(2-16)*	[illegible]
DISCHARGE NUMBER *(17-19)*	[illegible]

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	82	06	01	TO	82	06	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

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00050 FLOWRATE *= NO SAMPLE	SAMPLE MEASUREMENT			GPD	********	********	********			00/30	
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00403 PH LABORATORY *= NO SAMPLE	SAMPLE MEASUREMENT	********	********		********	********	********			00/30	
	PERMIT REQUIREMENT	********	********		6.0000	********	9.0000			01/90	GRAB
00530 TOTAL SUSPENDED SOLIDS *= NO SAMPLE	SAMPLE MEASUREMENT	********	********		********	********	********	MG/L		00/30	
	PERMIT REQUIREMENT	********	********		********	********	30.0000			01/90	GRAB
00530 TOTAL SUSPENDED SOLIDS *= NO SAMPLE	SAMPLE MEASUREMENT			LB/ DAY	********	********	********			00/30	
	PERMIT REQUIREMENT	NOT	QUANTIFIED		********	********	********			01/90	GRAB
00550 OIL AND GREASE *= NO SAMPLE	SAMPLE MEASUREMENT	********	********		********	********	********	MG/L		00/30	
	PERMIT REQUIREMENT	********	********		********	********	15.0000			01/90	GRAB
00550 OIL AND GREASE *= NO SAMPLE	SAMPLE MEASUREMENT			LB/ DAY	********	********	********			00/30	
	PERMIT REQUIREMENT	NOT	QUANTIFIED		********	********	********			01/90	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER	I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*		TELEPHONE	DATE
TYPED OR PRINTED		SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT	AREA CODE / NUMBER	YEAR / MO / DAY

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7. Under "NO. EX" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "FREQUENCY OF ANALYSIS" both as "SAMPLE MEASUREMENT" (actual frequency of sampling and analysis used during monitoring period) and as "PERMIT REQUIREMENT" specified in permit. (e.g., Enter "CONT." for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "SAMPLE TYPE" both as "SAMPLE MEASUREMENT" (actual sample type used during monitoring period) and as "PERMIT REQUIREMENT." (e.g., Enter "GRAB" for individual sample, "24HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)

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10. WHERE VIOLATIONS OF PERMIT REQUIREMENTS ARE REPORTED, ATTACH A BRIEF EXPLANATION TO DESCRIBE CAUSE AND CORRECTIVE ACTIONS TAKEN. REFERENCE EACH VIOLATION BY DATE.
11. If "no discharge" occurs during monitoring period, enter "NO DISCHARGE" across form in place of data entry.
12. Enter "NAME/TITLE OF PRINCIPAL EXECUTIVE OFFICER" with "SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT," "TELEPHONE NUMBER" and "DATE" at bottom of form.
13. Mail signed Report to Office(s) by date(s) specified in permit. Retain copy for your records.
14. More detailed instructions for use of this DISCHARGE MONITORING REPORT (DMR) form may be obtained from Office(s) specified in permit.

LEGAL NOTICE

This report is required by law (33 U.S.C. 1318; 40 C.F.R. 125.27). Failure to report or failure to report truthfully can result in civil penalties not to exceed $10,000 per day of violation; or in criminal penalties not to exceed $25,000 per day of violation, or by imprisonment for not more than one year, or by both.

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PERMITTEE NAME/ADDRESS *(Include Facility Name/Location if different)*

NAME COMMANDING GENERAL
ADDRESS MARINE CORPS BASE
CAMP LEJEUNE NC 285[illegible]2

FACILITY UIC [illegible]
LOCATION [illegible]

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM *(NPDES)*
DISCHARGE MONITORING REPORT *(DMR)*

(2-16) **PERMIT NUMBER** [illegible]

(17-19) **DISCHARGE NUMBER** [illegible]

[illegible] DISCHARGES [illegible]

Form Approved
OMB No. 2000-0015

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	82	[illegible]	01	TO	82	[illegible]	30
	(20-21)	*(22-23)*	*(24-25)*		*(26-27)*	*(28-29)*	*(30-31)*

NOTE: Read instructions before completing this form.

PARAMETER *(32-37)*		*(3 Card Only)* QUANTITY OR LOADING *(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	*(4 Card Only)* QUALITY OR CONCENTRATION *(38-45)* MINIMUM	*(46-53)* AVERAGE	*(54-61)* MAXIMUM	UNITS	NO. EX *(62-63)*	FREQUENCY OF ANALYSIS *(64-68)*	SAMPLE TYPE *(69-70)*
00056 FLOW RATE ** NO SAMPLE	SAMPLE MEASUREMENT			GPD	*********	*********	*********			000/30	
	PERMIT REQUIREMENT	NOT	QUANTIFIED		*********	*********	*********			001/90	GRAB
00403 PH LABORATORY ** NO SAMPLE	SAMPLE MEASUREMENT	*********	*********		*********	*********	*********			000/30	
	PERMIT REQUIREMENT	*********	*********		[illegible]	*********	[illegible]			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS ** NO SAMPLE	SAMPLE MEASUREMENT	*********	*********		*********	*********	*********	MG/L		000/30	
	PERMIT REQUIREMENT	*********	*********		*********	*********	[illegible]			001/90	GRAB
00530 TOTAL SUSPENDED SOLIDS ** NO SAMPLE	SAMPLE MEASUREMENT			LBS/DAY	*********	*********	*********			000/30	
	PERMIT REQUIREMENT	NOT	QUANTIFIED		*********	*********	*********			001/90	GRAB
00550 OIL AND GREASE ** NO SAMPLE	SAMPLE MEASUREMENT	*********	*********		*********	*********	*********	MG/L		000/30	
	PERMIT REQUIREMENT	*********	*********		*********	*********	[illegible]			001/90	GRAB
00550 OIL AND GREASE ** NO SAMPLE	SAMPLE MEASUREMENT			LBS/DAY	*********	*********	*********			000/30	
	PERMIT REQUIREMENT	NOT	QUANTIFIED		*********	*********	*********			001/90	GRAB
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

I CERTIFY UNDER PENALTY OF LAW THAT I HAVE PERSONALLY EXAMINED AND AM FAMILIAR WITH THE INFORMATION SUBMITTED HEREIN; AND BASED ON MY INQUIRY OF THOSE INDIVIDUALS IMMEDIATELY RESPONSIBLE FOR OBTAINING THE INFORMATION, I BELIEVE THE SUBMITTED INFORMATION IS TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT. SEE 18 U.S.C. § 1001 AND 33 U.S.C. § 1319. *(Penalties under these statutes may include fines up to $10,000 and/or maximum imprisonment of between 6 months and 5 years.)*

SIGNATURE OF PRINCIPAL EXECUTIVE OFFICER OR AUTHORIZED AGENT

TELEPHONE		DATE		
AREA CODE	NUMBER	YEAR	MO	DAY

COMMENT AND EXPLANATION OF ANY VIOLATIONS *(Reference all attachments here)*

EPA Form 3320-1 (Rev. 10-79) PREVIOUS EDITION TO BE USED UNTIL SUPPLY IS EXHAUSTED

(REPLACES EPA FORM T-40 WHICH MAY NOT BE USED.)

PAGE OF

GENERAL INSTRUCTIONS

1. If form has been partially completed by preprinting, disregard instructions directed at entry of that information already preprinted.
2. Enter "PERMITTEE NAME/MAILING ADDRESS (and facility name/location, if different)," "PERMIT NUMBER," and "DISCHARGE NUMBER" where indicated. (A separate form is required for each discharge.)
3. Enter dates beginning and ending "MONITORING PERIOD" covered by form where indicated.
4. Enter each "PARAMETER" as specified in monitoring requirements of permit.
5. Enter "SAMPLE MEASUREMENT" data for each parameter under 'QUANTITY" and "QUALITY" in units specified in permit. "AVERAGE" is normally arithmetic average (geometric average for bacterial parameters) of all sample measurements for each parameter obtained during "MONITORING PERIOD." "MAXIMUM" and "MINIMUM" are normally extreme high and low measurements obtained during "MONITORING PERIOD." (NOTE to municipals with secondary treatment requirement, enter 30-day average of sample measurements under "AVERAGE" and enter maximum 7-day average of sample measurements obtained during monitoring period under "MAXIMUM".
6. Enter "PERMIT REQUIREMENT" for each parameter under "QUANTITY" and "QUALITY" as specified in permit.
7. Under "NO. EX" enter number of sample measurements during monitoring period that exceed maximum (and/or minimum or 7-day average as appropriate) permit requirement for each parameter. If none, enter "0".
8. Enter "FREQUENCY OF ANALYSIS" both as "SAMPLE MEASUREMENT" (actual frequency of sampling and analysis used during monitoring period) and as "PERMIT REQUIREMENT" specified in permit. (e.g., Enter "CONT." for continuous monitoring, "1/7" for one day per week, "1/30" for one day per month, "1/90" for one day per quarter, etc.)
9. Enter "SAMPLE TYPE" both as "SAMPLE MEASUREMENT" (actual sample type used during monitoring period) and as "PERMIT REQUIREMENT." (e.g., Enter "GRAB" for individual sample, "24HC" for 24-hour composite, "N/A" for continuous monitoring, etc.)

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Date: 4 November 1982

Memorandum for the Record

From: Ms. Betz, Quality Control Lab, Environmental Br, NREAD, Facilities

Subj: 28 October 1982 Briefing with Colonel J. T. Marshall AS/C Facilities

1. On 28 October 1982, Julian Wooten and Elizabeth Betz went to Bldg 1 to brief the assistant chief of staff-Facilitfes, Col. Marshall, on the June-August 1982 NPDES Quarterly Report. Col Fritzgerald was also present. The report was submitted to Col. Marshall for his signature and release.

2. Col Marshall inquired about the reasons for missing data. The operator error for the coliform sample was easily explained, do to an operator forgetting to take the sample or the sample still having chlorine present when received by the lab. The missing BOD samples were explained by the new still, with a demineralizer that is using up cartidges at a much greater rate. And that an old and a brand new cartidge produces unsatisfactory water for the BOD analysis. I expained that a schedule was being worked out to alternate between the two stills to avoid using bad water.

3. Col. Marshall inquired into the storm drain violations. First, I pointed out the overlap of storm drain quarters and sewage plant quarters; an NPDES permit will have the last month of one quarter of storm drains and the first monthonths of the next quarter.ofHe had inquired as to the frequency of these violations. I pointed out that 42 and 47 were repeated violators and their point source is the main Steam Plant and Coal Pile. As for the others, I stated they were not repeated violators and that I was not sure of their frequency. I also stated that with P996 the list of violations had reduced abd that a good portion of our 71 storm drains are drying up or at least not flunking.

4. Col Marshall signed the eeport. He was assured that the reason for its delay was LANTDIV and not oars However I failed to point out ahd explain the pen changes. Since the cover letter did not go into them I for got oo.

5. With the quarterly report aside, the Colonel brought up the question 66 how accurate the sampling is. Of course, when the operators in charge of operating are taking the samples, the question of forging samples always exists. I pointed out that occasional odd high flows have been seen and chlorine has been found 1 where it shouldn't be. I also stated that the sewage samples have greatly improved during the past year, do to the efforts of the sewage foreman.

6. Next thing brought up was the possibility of spot checking.. I stated that since most samples were composited, automatic samplers could be used for spot checking. The time element of traveling and transporting the sample(s) was brought up. I also stated that we had an automatic sampler. The Colonel stated that he wanted to see some spot checking. During a phone conversation held later that day with Mr. Davis, Mack stated he had no problems with the spot checks. Examination of our Isco composite sampler shows that flow proportioning can not be done. also electrical service has to be provided until a new battery pack can be obtained.

7. The Colonel then raised the question about the Lab taking over sampling. He wants manpower and costs prepared. I stated automatic samplers would be required.

Date: 4 November 1982

8. The final area coverdd was PCBs and Equipment needed. Col Marshall inquired as to the capacity for PCB analysis by the lab at present. I explained the flame test. He directed us to go out to Piney Green Rd and see what we could do and do it.

9. The Colonel then asked what would be needed to run PCBs. I stated a gas chromatograph, which could also run THMs and other organic analysis, at a costof at least $12,000. I then added that THM analysis cost $25/sample at 5 samples/pl plann and FY82's contract ran over $3,000 ($5,000 to be exact). I also added that a gas chromagraph required continuous electrical power, ~~weeks~~ as in emergency generator for power outages, since it takes weeks to recalibrate. Also for pooper care it should be kept at a constant temperature renge, which presently the lab is not. Mr. Wooten mentioned the plans and money presently in the system to put the lab on its own heating and cooling system.

10. The Colonel stated he was still planning to visit the laboratory.

Elizabeth A. Betz
Supervisory Chemist

NPDES FILE

Date: 4 November 1982

Memorandum for the Record

From: Ms. Betz, Quality Control Lab, Environmental Se, NREAD, Facilities

Subj: Sewage Operational Testing at Hadnot Point with Chlorine Residuals

Encl: (1) 26 October 1982 Results
(2) 27 October 1982 Results

1. Background: In 1979, during LANTDIV's Environmental Survey, it was recommended that MCBCL Sewage Treatment Plants reduce their chlorine residuals. In the summer of 1981, the coliform counts increased so the chlorine residuals were raised. In preparation of the 1982 survey, Fred Cone, present Utilities Director, called for some testing and results to support the fact that 1.0-2.0ppm chlorine residuals would not kill bacteria sufficiently at MCBCL.

2. On 26 October 1982, Mack Davis, foreman at the Sewage Treatment Plants, under Fred Cone's orders, instructed his operators on the 12-8 shift to reduce the chlorine level to 1.0ppm in the contact chamber. When the chlorine reached 1.0ppm a bacteria sample was taken. The chlorine was then raised to 2.0ppm and a sample taken, then to 3.0ppm and 4.0ppm.

3. The four bacteria samples were brought to the Quality Control Lab for analysis. Enclosure (1) is a copy of the lab results. Below is a table summarizing the results.

Time	Chlorine Residual(ppm)	Total Coliform(/100ml)
3:45	1.0	4,000
5:15	2.0	86
5:45	3.0	50
6:30	4.0	46

4. Do to the closeness of the 2.0-4.0ppm samples further testing was done, on 27 October 1982, by Mack Davis, Elizabeth Betz, and Gaines Huneycutt. This time to prevent any further pollution in the river, testing was done using jars instead of the contact chamber. Samples were pulled off the secondary clarifier, just before the contact chamber. A saturated solution of HTH was prepared and used to chlorinate the rest of the samples. Chlorination was done by hit and miss since the chlorien demand was unknown. The first chlorien residual obtained was 2.0ppm, that jar was setaside and bacteria samples were pulled every ten minutes, for thirty minutes. At thirty minutes a final chlorine residual was taken, it had dropped to 1.5ppm. The second chlorine residual reached was 4.0ppm. It was set aside and bacteria samples pulled, its final chlorine residual readingswas also 4.0ppm. The third was 1.0ppm with its final reading at 0.8ppm. The last chlorine residual reached was 3.0ppm and its final reading was 2.5ppm.

5. The samples were brought back to the lab and three dilutions(50 ml, 10 ml, 0.1 ml) for Total Coliform and two dilutions(50 ml, 100 ml) for Fecal Coliform were run. The samples were run in order of the highest chlorine residual and longest contact time to shortest contact time, same chlorine level, to next highest chlorine residual and so on (4.0ppm30min, 400ppm20min,...1.0ppm10min). Complete results are shown on Enclosure (2). Below is a summary.

Cl_2 Res	Total 10 min	Total 20 min	Total 30 min	Fecal 10 min	Fecal 20 min	Fecal 30 min
1.0	TNTC	50,000	15,000	400	34	8
2.0	50,000	3,000	20	20	6	2
3.0	24	2	0*	0	0	0
4.0	750	10	0	46	2	0

The 3.0ppm30min(50ml dilution) plate yeilded 24 colonies, mostly likely non-coliform, that were under strees.

6. These results show that 1.0-2.0ppm chlorine could no kill all the bacteria

Elizabeth A. Betz
Supervisory Chemist

QUALITY CONTROL LABORATORY REPORT

MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/8 (Rev. 4/78)

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED
HP STP	HULL - STP OPERATOR	26 OCTOBER 1982

LOCATION	MARKED	COLIFORM				
		TOTAL			FECAL	
		50 mL	10 mL	0.1 mL	5 0	1 0
#1 3:45 1.0		TNTC	TNTC	4,000	8	100
#2 5:15 2.0		86+	280	0	16	100
#3 5:45 3.0		24+	50+	0	0	0
#4 6.30 4.0		46+	60	0	0	0

REMARKS

+ ON THE 50 mL PLATE FOR 3.0 PPM Cl_2 ~~THE~~ AN ACURATE ~~STAG~~ COUNT COULD NO BE READ SINCE SEVERAL COLONIES HAD GROWN TOGETHER.

SIGNATURE [signature] DATE 27 OCTOBER 1982

COPY TO

- ☐ UNREAD
- ☐ UTILITIES DIRECTOR
- ☒ ~~SEWAGE~~ WATER TREATMENT PLANT (GENERAL FOREMAN)
- ☐ BASE PREVENTIVE MEDICINE
- ☐ MCAS PREVENTIVE MEDICINE
- ☐ _____

ENCL (1)

QUALITY CONTROL LABORATORY REPORT
MISCELLANEOUS BACTERIOLOGICAL ANALYSIS OF WATER

MCBCL 11330/8 (REV. 4/78)

WATER TYPE	SAMPLE COLLECTED BY	DATE COLLECTED
AFTER 2ND HP STP - CLARIFER	DAVIS, BETZ + HUNEYCUTT	27 OCTOBER 1982

Cl_2 ~~LOCATION~~	TIME ~~MARKED~~	COLIFORM TOTAL DILUTIONS			FECAL DILUTIONS	
~~+0 PPM~~	~~10 AM~~	50 mL	10 mL	0.1 mL	50 mL	1.0 mL
1.0 PPM	10 MIN	TNTC	TNTC	TNTC	TNTC	400
	20 MIN	TNTC	TNTC	>50,000 ~~TNTC~~	34	200
	30 MIN	TNTC	TNTC	15,000	8	0
2.0 PPM	10 MIN	TNTC	TNTC	750,000	20	0
	20 MIN	TNTC	TNTC	3,000	6	0
	30 MIN	20	20	1,000	2	0
3.0 PPM	10 MIN	24	30	0	0	0
	20 MIN	2	0	0	0	0
	30 MIN	?*	0	0	0	0
4.0 PPM	10 MIN	TNTC	750	0	46	0
	20 MIN	10	0	0	2	0
	30 MIN	0	0	0	0	0
ALL COUNTS ARE REPORTED AS COLONIES/100 ML						

REMARKS THIS WAS AN EXPERIMENT. THE WATER WAS PULLED AT THE ~~#~~ 2ND CLARIFER. HTH WAS ADDED TO 4 SAMPLES TO REACH THE Cl_2 RESIDUALS.

INITIAL Cl_2	$TIME_I$	$TIME_{10}$	$TIME_{20}$	$TIME_{30}$ (FINAL)	FINAL Cl_2
2.0	11:07	11:17	11:27	11:37	1.5
4.0	11:14	11:24	11:34	11:44	4.0
1.0	11:20	11:30	11:40	11:50	0.8
3.0	11:26	11:36	11:46	11:56	2.5

* THIS HAD 24 STRESS COLONIES - UNABLE TO DETERMINE IF IT IS COLIFORM

SIGNATURE Elizabeth A. Betz DATE 28 OCTOBER 1982

COPY TO

- [X] NREAD
- [ ] BASE PREVENTIVE MEDICINE
- [ ] UTILITIES DIRECTOR
- [ ] MCAS PREVENTIVE MEDICINE
- [X] WATER TREATMENT PLANT (GENERAL FOREMAN)
- [X] FILE

ENCL (2)

Betsy

UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO
MAIN/DDS/spk
6280/2
23 Jul 1982

Regional Administrator
Environmental Protection Agency
Region IV, Water Enforcement Branch
345 Courtland Street
Atlanta, Georgia 30309

Dear Sir:

In accordance with requirements of the National Pollutant Discharge Elimination System (NPDES) permit number NC0003239, Discharge Monitoring Reports (DMRs) for the period March, April and May 1982 are submitted. This quarterly report was delayed due to the late return of May 1982 DMRs from Atlantic Division, Naval Facilities Engineering Command which prints the DMRs.

Paragraph 2, of effluent limitation and monitoring requirements for each outfall, under Part I of the NPDES permit number NC0003239 for Marine Corps Base, Camp Lejeune, requires that the monthly percent removal of BODs and suspended solids shall be calculated by comparing monthly average influent to monthly average effluent. The enclosed DMRs, generated by Atlantic Division, Naval Facilities Engineering Command, computes the average of the daily percent removals as the monthly percent removal. The enclosed DMRs have been pen changed to reflect the calculation method called for in the permit.

The Courthouse Bay sewage treatment plant BOD percent removal violation for May 1982 and BOD weekly effluent average violation for the week of 23 May 1982 appeared to be the result of oxygen demand of a reddish substance present in influent on 25 May 1982. Base personnel were not able to identify the substance nor its source. Sampling and laboratory errors are the cause for missing BOD and total coliform values for the Hadnot Point sewage treatment plant in May 1982. Sampling errors which occurred during the collection of the 4 May 1982 unchlorinated BOD effluent sample and the 11 May 1982 coliform sample resulted in discarding both samples due to chlorine contamination. Laboratory errors involving the 18, 27 and 29 May 1982 BOD samples were identified when dilution water used in these samples was shown by the blank controls to be unacceptable. The cause for the unsatisfactory dilution water was determined to be a bad demineralizer cartridge on the distiller used to produce distilled water.

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

MAIN/DDS/spk
6280/2

For further pertinent details on any of the above, you may contact Mr. Julian Wooten, Natural Resources and Environmental Affairs Branch, Base Maintenance Division, telephone (919) 451-5003/2083.

Sincerely,

R. F. CALTA
Lieutenant Colonel, U. S. Marine Corps
Base Maintenance Officer
By direction of Commanding General

Enclosures

Copy to:
N.C.Dept of Nat & Eco Res
CMDR, LANTNAVFACENGCOM (Code 114)

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD MARCH, APRIL, MAY 1982

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SS06	BOD % Removal	85%	79.3	May
SS06	Weekly BOD Effluent Ave	45 mg/l	56	Week of 23 May
SS04	BOD Sampling Frequency	20/31	17/31	May
SS04	Coliform Sampling Frequency	2/31	11/31	May
SD20	pH	6.0-9.0	5.7	2 Mar
SD2	pH	6.0-9.0	55.7	2 Mar
SD30	pH	6.0-9.0	5.7	23 Mar
SD74	SS	50 mg/l	83.3	23 Mar
SD74	O&G	15 mg/l	31.3	23 Mar
SD51	pH	6.0-9.0	5.7	7 Apr
SD42	SS	50 mg/l	805.3	5 May

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System permit number NC0003239, discharge monitoring reports for the period March, April, and May 1982 are submitted. This quarterly report was delayed due to the late return of May 1982 DMRs from Atlantic Division, Naval Facilities Engineering Command, which feeds the wastewater data into a computor and prints the DMRs for Marine Corps Base, Camp Lejeune.

Paragraph 2, of effluent limitation and monitoring requirements for each outfall, under Part I of National Pollutant Discharge Elimination System permit number NC0003239 for Marine Corps Base, Camp Lejeune, requires that the monthly percent removal of BODs and suspended solids shall be calculated by comparing monthly average influent to monthly average effluent. This quarterly report was initially computed by a new program developed by Atlantic Division, Naval Facilities Engineering Command, which computes the average of the daily percent removals as the monthly percent removal. The pen changes reflect the correct monthly percent removal called for in the permit.

The Courthouse Bay sewage treatment plant BOD percent removal violation for May 1982 and BOD weekly effluent average violation for the week of 23 May 1982 can be attributed to a reddish substance that entered the plant on 25 May 1982. The substance is suspected of causing the 56 mg/l BOD effluent recorded for that day. The 25 May 1982 samples were the only BOD samples for that week and therefore violated the 45 mg/l weekly effluent average and caused a monthly average percent removal of 79.3. An investigation as to the source and idenity of the substance has not been fruitful.

Sampling and laboratory errors are the cause for missing BOD and Total Coliform values for the Hadnot Point sewage treatment plant in May 1982. Sampling errors occurred on 4 May 1982, while collecting the unchlorinated BOD effluent sample and on 11 May 1982, while collecting the coliform sample. Both samples were chacked at the lab and were found invalid due to the presence of chlorine. Laboratory errors occurred when the 18,27 and 29 May 1982 BOD samples were analyzed. The dilution water used in these samples was shown by the blank controls to be unacceptable. The cause for the bad dilution water was later attributed to a bad demineralizer cartridge on the distiller.

The storm drain violations depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drains monitoring points that have been previously provided to your agency. Oily waste discharge violations are directly related to runoff from the areas with wash racks, grease racks, and maintenance areas. The major contributing factors to the presence of oily waste discharge on storm drains are due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds. Storm drains that have no values reported for the quarter were checked, however, each time they were checked they were either dry or had no flow.

The base environmental staff is continuing to work on operational control methodology to reduce suspended solids discharges. An A&E firm has designed facilities to abate miscellaneous pollution discharges. The construction contract has been awarded and the estimated date of construction completion for full treatment of miscellaneous pollution sources is May 1983.

For further pertinent details on any if the above, you may consact Mr. Julian Wooten, Natural Resources and Environmntal Affairs Branch, Base Maintenance Divi-

S S	
7-7	3.5
7-8	3.5
7-9	3.1
7-10	2.9
7-12	3.0

L S	
7-7	6.2
7-8	6.1
7-9	5.8
7-10	5.7
7-12	4.5

BILL – COLLECTION SYSTEM
~~DISTIL~~
DEMINERALIZER
} DOCU #

Bottles on top shelf, please read one of each set on Sat 7-10

L

PLANT DIV

MONTH: MARCH YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)	TSS INF	TSS EFF	TSS (1) % (2)	(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: CG		* 9			* 8						
WEEK OF: 1-6		7.8			5.3		0				
7-13		* 10 7.8			* 12 4.8		0				
14-20		* 11 8.3			* 11 8.3		0				
(MIN) 21-27	60	* 11 10.3		62	* 11 7.3		0	MIN	6.3	2.8	
(MAX) 28-31	180	* 11 10.5		280	* 6 4.5		0	MAX	6.6	3.4	
MONTHLY AVERAGE	131.3	8.7	93.4 92.8	136.1	6.2	95.4 95.07 ~~94.6~~	0	AVE	6.4	3.0 3.1	1,193,613
PLANT: TT											
WEEK OF: 1-6		* 13 11.3			* 10 5.0		* 0				
7-13		* 12 10.8			* 7 4.0		* 0				
14-20		* 14 12.0			* 11 6.3		* 4 1.59				
(MIN) 21-27	148	* 17 14.3		84	* 3 5.8		* 4 2.00	MIN	6.6	3.3	
(MAX) 28-31	550	* 20 16.0		620	* 5 3.5		* 6 4.90	MAX	7.2	5.4	
MONTHLY AVERAGE	269.2	12.5	95.4 94.6	249.1	5.1	97.9 97.2	1.61	AVE	6.9	4.0 4.1	780,884
PLANT: CJ											
WEEK OF: 1-6		* 42 23.5			* 12 6.8		* 0				
7-13		* 25 13.3			* 10 5.0		* 0				
14-20		* 14 12.5			* 10 6.8		* 114 4.85				
(MIN) 21-27	53	* 15 13.0		28	* 6 4.8		0	MIN	6.7	2.3	
(MAX) 28-31	220	* 16 14.0		980	* 2 1.5		* 2 1.41	MAX	7.2	4.6	
MONTHLY AVERAGE	108.2	15.6 15.4	85.8 83.3 83.6	160.8	5.3	96.7 92.4	1.47	AVE	7.0	3.7	238,419
PLANT: HP											
WEEK OF: 1-6		* 18 14.5			* 10 4.5						
7-13		* 14 11.8			* 13 5.0						
14-20		* 12 11.3			* 14 7.0						
(MIN) 21-27	75	* 15 13.2		24	* 10 5.4			MIN	6.5	4.0	
(MAX) 28-31	196	* 20 16.3		162	* 11 6.0			MAX	7.0	4.6	
MONTHLY AVERAGE	115.0	13.2	88.5 88.2	86.6	5.6	93.5 93.2	2.98	AVE	6.8	4.6	~~5,505,741.9~~ ~~5,505,094~~ 5505935

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

* SHOWS MAXIMUM NOT AVERAGE (AVERAGE IS CALLED FOR IN PERMIT)

MONTH: MARCH YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: RR													
WEEK OF: 1-6		5.0				2.0							
7-13		6.5				3.5							
14-20		4.5				1.5							
(MIN) 21-27	43	9.0			68	5.0				MIN	6.3	3.6	
(MAX) 28-31	140	7.0			1676	3.0				MAX	7.3	4.0	
MONTHLY AVERAGE	78.4	6.6 6.3	91.6	91.0	223.4	3.0 3.1	98.6	97.79 ~~98.5~~	1.51	AVE	6.6	3.9 4.0	372251.6
PLANT: CHB													
WEEK OF: 1-6		9.0				5.5							
7-13		8.5				6.0							
14-20		9.0				3.0							
(MIN) 21-27	60	7.0			25	4.0				MIN	6.6	3.5	
(MAX) 28-31	123	10			254	9.0				MAX	7.2	4.0	
MONTHLY AVERAGE	84.4	8.6	89.8	89.0	114.3	5.1	95.5	92.6	1.47	AVE	6.9	3.9 4.0	412793.5
PLANT: OB													
WEEK OF: 1-6		8.5				1.5							
7-13		8.0				8.0							
14-20		11.0				7.5							
(MIN) 21-27	70	16.5			23	7.5				MIN	6.4	3.5	
(MAX) 28-31	265	20.0			340	5.0				MAX	7.0	4.0	
MONTHLY AVERAGE	139.8	12.0	91.4	91.1	112.1	6.0	94.6	92.6	1.08	AVE	6.6	3.9	88,799
PLANT:													
WEEK OF:													
										MIN			
										MAX			
MONTHLY AVERAGE										AVE			

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

- LANT DIN

MONTH: APRIL YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)	TSS INF	TSS EFF	TSS (1) % (2)	(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: CG		* 8			* 9		* 0				
WEEK OF: 1-3		8			7.5		0				
4-10		* 11 9			* 11 5.8		* 0				
11-17		* 10 7.8			* 6 4.5		* 0 1.5874				
(MIN) 18-24	(108)	* 12 11.8		(92)	* 8 6.5		* 0	MIN	6.5	2.6	
(MAX 25-30	(1100)	* 11 9.8		(290)	* 7 4.3		* 0	MAX	6.8	3.6	
MONTHLY AVERAGE	245.1 242.6	9.4	96.2 94.94	152.4	5.5	96.4 96.4	1.1125	AVE	6.6	3.8 3.1	935,600
PLANT: TT											
WEEK OF: 1-3		* 15 13			* 6 5		* 2				
4-10		* 15 13			* 12 4.5		* 8 2				
11-17		* 13 11			* 17 7.5		* 2 1.5874				
(MIN) 18-24	(130)	* 18 16.3		(51)	* 14 9.8		* 4 2	MIN	6.9	2.4	
(MAX) 25-30	(410)	* 16 13.3		(4393)	* 10 9.3		* 4 2.5198	MAX	7.3	4.3	
MONTHLY AVERAGE	192.6	13.3	93.1 92.6	360.2	7.4	97.9 93.15	2	AVE	7.08	3.8	871,956.7
PLANT: CJ		* 9 8.5			* 6 4.5		* 8				
WEEK OF: 1-3		* 14 11.8			* 10 5.8		* 0				
4-10		* 13 11.3			* 6 4.5		* 0				
11-17		* 24 16.8			* 10 5.5		* 0				
(MIN) 18-24	(72)	* 14 12.3		(38)	* 3 2.3		* 0	MIN	6.3	2.5	
(MAX) 25-30	(240)	12.7 12.5	4.4 90.6 89.8	(234)	4.4 4.5	96.1 94.8	1.1735	MAX	7.4	5.2	
MONTHLY AVERAGE	134.5			112.5				AVE	4.86	3.87	227,333
PLANT: HP		* 13 12.5			* 8 6.5						
WEEK OF: 1-3		* 20 14.2			* 11 4.4						
4-10		* 18 13.6			* 8 3.6						
11-17		* 19 15.6			* 10 7.0						
(MIN) 18-24	(88)	* 28 16.8		(57)	* 6 4.0			MIN	6.6	4.0	
(MAX 25-30	(215)			(278)				MAX	6.8	4.0	
MONTHLY AVERAGE	140.0	14.8	89.4 88.9	112.6	4.9	95.6 95.2 89.0	2.41	AVE	6.77	4.0	4956,800

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

* SHOWS MAXIMUM NOT AVERAGE (AVERAGE IS CALLED FOR IN PERMIT)

430 / 11 = 4.19

MONTH: APRIL YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: RR													
WEEK OF: 1-3		* 6 (6)				* (1)							
4-10		* 6 5.5				* 2 1.5							
11-17		* 7 5.5				* 2 1.5							
(MIN) 18-24	(60)	* 6 5.5			(61)	* 6 3.5				MIN	(6.2)	(3.5)	
(MAX) 25-30	(430)	* 11 9.5			(700)	* 2 1.5				MAX	(6.9)	(4.0)	
MONTHLY AVERAGE	(144.6)	(6.4)	95.1	(93.99)	(299.1)	1.9	99.4	(98.8) (99.03)	(1.29)	AVE	6.67	3.9	(289209)
PLANT: CHB													
WEEK OF: 1-3		* (8)				* (6)							
4-10		* 10 10.5				* (4)							
11-17		* 8 8				* 9 3							
(MIN) 18-24	(76)	* 12 11			(51)	* (1)				MIN	(6.8)	(4.9)	
(MAX) 25-30	(250)	* 26 18.5			(288)	* 7 6.5				MAX	(7.2)	(4.0)	
MONTHLY AVERAGE	(133.1)	(10.7)	92.0 ~~95.6~~	(92.2)	(161.8)	3.9	97.6	(96.4)	(1.59)	AVE	6.9	(4.0)	(3825666.7)
PLANT: OB													
WEEK OF: 1-3		* (18)				* (11)							
4-10		* 9 8.5				* 7 4							
11-17		* (12)				* 4 3							
(MIN) 18-24	(88)	* 13 11.5			(36)	* 13 8				MIN	(6.2)	(3.4)	
(MAX) 25-30	(260)	* 15 14.5			(183)	* 4				MAX	(7.0)	(4.0)	
MONTHLY AVERAGE	(172)	(12.3)	92.9	(92.4)	(95.9)	5.4	94.4	(93)	(0)	AVE	6.73	3.98	(95,767)
PLANT: OB													
WEEK OF:													
										MIN			
										MAX			
MONTHLY AVERAGE										AVE			95,767

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

- LANT DIV

MONTH: MAY YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)	TSS INF	TSS EFF	TSS (1) % (2)	(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: CG											
WEEK OF: 2-8		6.5 9			4.8 8		0				
9-15		5.5 8			3.3 6		1.26				
16-22		8.3 10			6.0 9		2,00				
(MIN) 23-29	76	6.3 8		50	4.3 6		0	MIN	6.2	2.6	
(MAX) 30-1	280	—		213	—		—	MAX	6.7	3.5	
MONTHLY AVERAGE	141.7	6.6	95.3 | 95.2 95.1	131.6	4.6	96.5 | 96.0 95.9	1.26	AVE	6.5	3.0	1,047,129
PLANT: TT											
WEEK OF: 2-8		11 14			6 8		4.47				
9-15		13 18			8 11		1.59				
16-22		16 19			12.8 18		4,00				
(MIN) 23-29	70	12.3 14		48	5.0 11		1.59	MIN	6.5	2.9	
(MAX)	195	—		352	—		(20)	MAX	7.2	4.0	
MONTHLY AVERAGE	142.9	12.9	91.0 | 90.5	129.5	7.9	93.9 | 91.7 92.2	2.47	AVE	6.9	3.6	895,266.7 895,276
PLANT: CJ											
WEEK OF: 2-8		9.8 14			3.8 6		1.26 2				
9-15		8.5 11			4.5 10		0 0				
16-22		10.0 11			2.5 5		0 0				
(MIN) 23-29	88	9.0 10		43	2.0 3		0 0	MIN	6.0	3.2	
(MAX)	195	—		146	.			MAX	7.0	6.0	
MONTHLY AVERAGE	136.7	9.3	93.2 | 92.8 92.7	86.4	3.2	96.3 | 96.4	1.06	AVE		3.9	225064.5
PLANT: HP											
WEEK OF: 2-8		13.5 16			6.2 8						
9-15		15.6 20			4.4 9						
16-22		13.5 15			5.0 8						
(MIN) 23-29	20	12.3 13 (25)		34	6.2 13		22	MIN	6.5	3.0	
(MAX) 30-31	195	—		310	8 8		0	MAX	6.8	4.0	
MONTHLY AVERAGE	117.1 122.8	13.8	88.2 | 88.2 88.5	111.8	5.6	96.0 | 93.9	2.08	AVE	6.7	3.9	5350580 5,350,645

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

* SHOWS MAXIMUM NOT AVERAGE (AVERAGE IS CALLED FOR IN PERMIT

MONTH: MAY YEAR: 1982

	BOD INF	BOD EFF	BOD (1) % (2)		TSS INF	TSS EFF	TSS (1) % (2)		(GEOMETRIC) COLIFORM		pH	RES. Cl_2	FLOW
PLANT: RR													
WEEK OF: 2-8		5 3.0				3 2.0							
9-15		5 4.0				3 2.5							
16-22		10 10.0				4 3.0							
(MIN) 23-29	20	4 4.0			81	3 3.0			0	MIN	6.4	3.5	
(MAX) ~~30 31~~	135	—			125	—			8	MAX	6.8	4.0	
MONTHLY AVERAGE	59.3	4.7	92.1	92	94.6	2.6	97.3	97.3	1.30	AVE		3.9	279127.7
PLANT: CAB													
WEEK OF: 2-8		12 10.5				8 6.8							
9-15		9 8.5				6 5.0							
16-22		20 20				17 15.0							
(MIN) 23-29	~~78~~	56 56			43	16 10.8	0		0	MIN	6.6	3.5	
(MAX)	133	—			144	—			52	MAX	7.2	4.0	
MONTHLY AVERAGE	92	19	79.3	78	96.9	9.0	90.7	88.4	3.36	AVE		3.9	339693.5
PLANT: OB													
WEEK OF: 2-8	1	12 12.0				10 6.5							
9-15		11 10.5				5 3.5							
16-22		14 14				14 11.8							
(MIN) 23-29	88	9 9			24	2 2			0	MIN	6.2	1.0	
(MAX)	230	—			142	—			54	MAX	7.6	4.0	
MONTHLY AVERAGE	173.5	11.3 9.3	98.5	92.9 93.0	77.1	5.8	92.5	91.4	5.18	AVE		3.7	74473.54
PLANT:													
WEEK OF													
										MIN			
										MAX			
MONTHLY AVERAGE										AVE			

(1) PERCENT REMOVAL OF THE AVERAGED INFLUENT AND EFFLUENT

(2) AVERAGE OF THE DAILY PERCENT REMOVAL

Date: 1 June 1982

Memorandum

From: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

To: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

Subj: Storm Drain Violations for May 1982

1. Storm Drains 32, 33, 39-40, 45, 48, and 62-65 were checked in May 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
42	Hadnot Pt-Behind MC Exchange	SS	50 mg/1	805.3	5 May	pH 8, SS 11, OG 1

List of Dry Drains

SD	Last Collection Date
39	5 & 17 February 1981
40	18 November 1981
43	1 February 1982
62	27 July 1981
65	1 February 1982

Elizabeth A. Begz
Supervisory Chemist

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099
DEPARTMENT OF THE NAVY

Memorandum

DATE: 29 April 1982

FROM: Ms. Betz, Qyality Control Lab., Environmental Section, NREAB, BMaintDiv

TO: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

SUBJ: Storm Drain Violations for April 1982

1. Storm Drains 20-28, 30, 31, 36-38, 44, 50-60, 66, 89, and 90 were checked in April 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
51	Hadnot Point/River Rd	pH	6.0-9.0	5.7	7 Apr	pH 2 SS 2 OG 0

List of Dry Drains

SD	Last Collection Date
22	13 January 1981*
23	13 January 1981*
27	14 October 1981
37	5 & 17 February 1981*
38	5 & 17 February 1981*
50	24 August 1981
52	24 August 1981
56	24 August 1981
58	28 May 1981
60	18 March 1981*
66	16 April 1981*
89	24 August 1981
90	18 November 1981

* Collected by A. T. Luke

Elizabeth Betz
Supervisory Chemist

1. Storm Peaks -12, 35, 31, 30-39, 06, 30-80, 08, 80, and 90 were sprayed in April 1982. Below is a list of violations and a list of dry drains.

List of Violations

Sp	Map/Section	Charges	Delta	Value	Date	Dry-plugs
31	Hudson Point/River Rd	0.--8.0	>/	Ajx	23 2	2 OC 0

Last of Dry Drains

No	Last Collection Date
42	13 January 1981*
25	17 January 1981*
27	14 October 1981
17	5 x 17 February 1981*
36	5 x 17 February 1981*
52	24 August 1981
32	24 August 1981
30	24 August 1981
80	23 May 1981
05	19 March 1981*
155	16 April 1981*
82	24 August 1981
00	1 November 1981

* Delivered by A. T. Duke

19 April 1982

To: Mary, Quality Control Lab., Environmental Section, MTAB, Mountain

Re: Sharpe, Supervisory Zoologist, Environmental Section, MTAB, Heavenly

Storm Drain Violations for April 1982

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099
DEPARTMENT OF THE NAVY

Memorandum

DATE: 6 April 1982

FROM: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

TO: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

SUBJ: Storm Drain Violations ofr March 1982

1. Storm Drains 20-28, 30-32, 34-39, 41, 49, 50, 56, 58-60, 62, 67, 68, 73-80, 85, 88, and 89 were checked in March 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
20	Montford Pt/ Area No. 3	pH	6.0-9.0	5.7	2 Mar	pH 5 SS 1 OG 0
21	Montford Pt/Off Rochester Lane	pH	6.0-9.0	5.7	2 Mar	pH 1 SS 2 OG 0
30	Midway Park/Lee Ave & Boundary	pH	6.-9.0	5.7	23 Mar	pH 4 SS 1 OG 1
74	Courthouse Bay/ Amtrac Area	SS OG	50 mg/l 15 mg/l	83.3 31.3	23 Mar	pH 0 SS 11 OG 11

List of Dry Drains

SD	Last Collection Date
20	14 October 1981
21	23 December 1981
37	5 & 17 February 1981*
38	5 & 17 February 1981*
39	5 & 17 February 1981*
41	18 November 1981
50	24 August 1981
56	24 August 1981
58	28 May 1981
59	16 December 1981
60	18 March 1981*
62	27 July 1981
73	23 December 1981
75	23 Novmeber 1981
76	27 April 1981
77	27 April 1981
78	23 November 1981
79	13 August 1981
80	1979
85	22 April 1981
88	29 September 1981
89	24 August 1981

Elizabeth A. Betz
Supervisory Chemist

BASE MAINTENANCE DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

MAIN/MDD/rn
11345
9 Jun 1982

From: Sewage Disposal Plant Operator Foreman
To: Quality Control Lab

Subj: Courthouse Bay Permit Violation

1. On 25 May 1982 the operator on duty at Courthouse Bay reported that a reddish substance was entering the plant influent. At 1130 a.m. I instructed him to take samples as normal, and to run a settleable solids test on the influent. The operator did this and recorded 10 mg/L. At about 1230, he checked the chlorine residual and had to increase the dosage from 45 to 65 pounds per day to obtain a 2.0 residual. The BOD for 25 May 1982 was 80 influent, 56 effluent, for 30% removal which lowered the monthly average removal to 79.3, violating the permit limits.

2. Investigation as to source of substance and idenity has not been fruitful.

MACK D. DAVIS, JR.

MAIN/DDS/th
6280/2
19 Apr 82

Regional Administrator
Environmental Protection Agency
Region IV, Water Enforcement Branch
345 Courtland Street
Atlanta, Georgia 30309

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System permit number NC0003239, discharge monitoring reports for the period December 1981, January and February 1982 are submitted. This quarterly report was delayed due to computer problems, as was discussed by Mr. Danny Sharpe and Ms. Elizabeth Betz, Base Maintenance Division, and Mr. Jim Holdaway of your office on 31 March 1982.

Paragraph 2, of effluent limitation and monitoring requirements for each outfall, under Part I of National Pollutant Discharge Elimination System permit number NC0003239 for Marine Corps Base, Camp Lejeune, requires that the monthly percent removal of BODs and suspended solids shall be calculated by comparing monthly average influent to monthly average effluent. This quarterly report was computed by a new program developed by Atlantic Division, Naval Facilities Engineering Command, which computes the average of the daily percent removals as the monthly percent removal. On 8 April 1982, Mr. Holdaway advised that either of the two methods for making the calculations were acceptable to the Environmental Protection Agency.

The Courthouse Bay sewage treatment plant BOD percent removal violation for the month of December 1982 can be attributed to a shaft that broke on a filter feed pump and was overhauled during the month which resulted in sparadic feeding to the filter.

The Camp Johnson sewage treatment plant BOD percent removal violations for the months of January and February 1982 can be attributed to the filter being out twice for maintenance and repairs for a total of about two and one-half weeks in January 1982. The growth on the filter subsequently died and therefore it has taken some time for it to recover.

The discharge monitoring reports show no values for BOD for the Rifle Range, Courthouse Bay and Onslow Beach sewage treatment plants (SS 15-17/05-07) for the last week in February 1982, and three BOD values missing for the Hadnot Point sewage treatment plant (SS 14/04) that same month. A laboratory error occurred when reading the five-day dissolved oxygen for all seven sewage treatment plant samples collected on 23 and 25 February 1982 and the Hadnot Point sewage treatment plant sample collected on 26 February 1982.

MAIN/BDS/th
6280/2

The storm drain violations depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided to your agency. Oily waste discharge violations are directly related to runoff from areas with wash racks, grease racks and maintenance areas. The major contributing factors to the presence of oily waste discharge in storm drains are due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds. Storm drains that have no values reported for the quarter were checked, however, each time they were checked they were either dry or had no flow.

The base environmental staff is continuing to work on operational control methodology to reduce suspended solids discharges. An A&E firm has designed facilities to abate miscellaneous pollution discharges. The construction contract has been awarded and the estimated date of construction completion for full treatment of miscellaneous pollution sources is May 1983.

For further pertinent details on any of the above, you may contact Mr. Julian Wooten, Natural Resources and Environmental Affairs Branch, Base Maintenance Division, telephone (919) 451-5003/2083.

Sincerely,

B. W. ELSTON
Acting Base Maintenance Officer
By direction of the Commanding General

Enclosures

Copy to:
NC Dept of Nat & Eco Res
CMDR, LANTDIV, NAVFACENGCOM (Code 114)

BCC:
Dir, UTIL BR

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD December 1981, January, February 1982

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SS 06	BOD	85% Removal	84%	December 1981
SS 03	BOD	85% Removal	78.7%	January 1982
SS 03	BOD	85% Removal	82.6%	February 1982
SD 61	SS	50 mg/1	102.8	16 December 1981
SD 43	O&G	15 mg/1	15.2	17 December 1981
SD 43	SS	50 mg/1	137	17 December 1981
SD 73	SS	50 mg/1	300	23 December 1981
SD 33	pH	6.0-9.0	5.8	18 January 1982
SD 47	pH	6.0-9.0	11.5	18 January 1982
SD 42	SS	50 mg/1	1679	1 February 1982
SD 43	O&G	15 mg/1	19.3	1 February 1982
SD 65	SS	50 mg/1	102	1 February 1982

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System permit number NC0003239, discharge monitoring reports for the period December 1981, January and February 1982.are submitted.

The reason for the delay of this quareerly report was due to computor problems, as was discussed during a FONCON between Mr. Danny Sharpe and Ms. Elizabeth Betz, BMaintDiv, MCB CAMP LEJRUNE, and Mr. Jim Holloway of your office on 31 March 1982. At that time, Mr. Holloway was also informed of the three sewage treatment plant BOD percent removal violations.

Paragraph 2, of effluent limitation and monitoring requiremants for each outfall, under Part I of NPDES Permit No. NC0003239 for MCB Camp Lejeune, specifically require that the monthly percent removal of BODs and suspended solids shall be calculated by comparing monthly average influent to monthly average effluent. However this quarterly report, computed by Atlantic Division, Naval Facilities Engineering Command, shows tha average of the daily percent removals as the monthly percent removal. During a FONCON, on 8 April 1982, between Ms. Elizabeth Betz and Mr. Jim Holloway this problem was preeented, since the two different calculations yield two different answers,

The Courthouse Bay Sewage Treatment Plant BOD % Removal violation for the month of December 1981 can be attributed to a shaft that broke on a filter feed pump and was overhauled during the month which resulted in sparadic feeding to the filter.

The Camp Johnson Sewage Treatment Plant BOD % Removal Violations for the months of January and February 1982 can be attributed to the filter being out twice for maintenanaeeand repairs for a total of about 2½ weeks in January 1982. The growth

Close study of the discharge monitoring reports will show no values for BOD for the Rifle Range, Courthouse Bay,,and Onslow Beach Sewage Treatment Plants(SS15-17/05-07) for the last week in February 1982, and three BOD values missing for the Hadnot Point Sewage Treatment Plant(SS14/04) that same month. A laboratory error occurred when reading the 5-day dissolved oxygen for all seven sewage treatment plant samples collected on 23 and 25 February 1982, and also for the Hadnot Point Sewage Treatment Plant sample collected on 26 February 1982, which caused the lost of those values.

The Storm Drains violations depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided to your agency. Oily waste discharge violations are directly related to runoff from areas with wash racks, grease racks, and maintenance areas. The major contributing factors to the presnace of oily waste discharge in storm drains os due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds. Storm Drains that have no values reported for the quareer were checked, however, each time they were chekked they were either dry or had no flow.

The base environmental staff is continuing to work on operational control methodology to reduce suspended solids discharges. An A & E firm has designed facilities to abate miscellaneous pollution discharges. The construction contract has been awarded and the estimated date of construction completion for full treatment of miscellaneous pollution sources is

For further pertinent details on any of the above, you may contact Mr. Julian Wooten, NREAB, BMaintDiv, telephone (919) 451-5003/2083.

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD December 1981, January, February 1982

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SS 06	BOD	85% Removal	84%	December 1981
SS 03	BOD	85% Removal	78.7%	January 1982
SS 03	BOD	85% Removal	82,6%	February 1982
SD 61	SS	50 mg/1	102.8	16 December 1981
SD 43	O&G	15 mg/1	15.2	17 December 1981
SD 43	SS	50 mg/1	137	17 December 1981
SD 73	SS	50 mg/1	300	23 December 1981
SD 33	pH	6.0-9.0	5.8	18 January 1982
SD 47	pH	6.0-9.0	11.5	18 January 1982
SD 42	SS	50 mg/1	1679	1 February 1982
SD 43	O&G	15 mg/1	19.3	1 February 1982
SD 65	SS	50 mg/1	102	1 February 1982

84.6 - FEB CT

83.3 JAN CT

84.6 DEC CAB

JIM HOLLOWAY @ EPA
ON 31 MARCH 1982

INFORMED OF ABOVE
VIOLATIONS

SHARTE

Betsy

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REPORT

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JIM

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099
DEPARTMENT OF THE NAVY

Memorandum

DATE: **28 January 1982**

FROM: **Ms. SharpeQuality Control Lab., Environmental Section, NREAB, BMaintDiv**

TO: **Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv**

SUBJ: **Storm Drain Violations for December 1982**

1. Storm Drains 21, 22, 24, 25, 34, 35, 37-39, 43-46, 48, 50-62, 65-67, 69, 73, 76, 77, 79, 80, 83-85, 88, 89 were checked in December 1981. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
43	Hadnot Pt/Behind MC Exchange	O&G	15 mg/1	15.2	17 Dec	pH 0 SS 2 OG 2
		SS	50 mg/1	137		
61	Hadnot Pt/Behind Sewage Plant	SS	50 mg/1	102.8	16 Dec	pH 0 SS 2 OG00
73	Courthouse Bay/ Amtrac Area	SS	50 mg/1	300	23 Dec	pH0 SS 15 OG 14

List of Dry Drains

SD	Last Date Colleceed
22	13 January 1981*
24	13 January 1981*19
34	28 August 1981
35	29 September 1981
37	5 & 17 February 1981*
38	5 & 17 February 1981* No Flow Reported
39	5 & 17 February 1981*
46	28 August 1981
50	24 August1981
52	24 August 1981
53	24 August 1981
56	24 August 1981
58	28 May 1981
60	18 March 1981*
62	27 July 1981
66	16 April 1981*
67	6 August 1981
69	6 August 1981
76	27 April 1981* No Flow Reported
77	27 April 1981* Flunked pH 10.7
79	13 August 1981
80	11 December 1980* No Flow Reported
83	6 August 1981
84	22 April 1981* Flunked SS 102.0 mg/1-not flowing Reported Flow as 10 gal/day
85	6 August 1981
88	22 April 1981* No Flow Reported

8 These collections were done by Andy Luke

Elizabeth A. Betz
Supervisory Chemist

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099

DEPARTMENT OF THE NAVY

Memorandum

DATE:

FROM :

TO :

SUBJ :

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099
DEPARTMENT OF THE NAVY

Memorandum

DATE: 28 Januayy 1982

FROM: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

TO: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

SUBJ: Storm Drain Violations for January 1982

1. Storm Drains 33, 39-41, 44-47, 51-55, 57, 61, 90 were checked in January 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
33	Open Storage Area/ Bearhead Creek & Holcomb Blvd	pH	6.0-9.0	5.8	18 Jan	pH 1 SS 1 OG 0
47	Hadnot Pt/Supply & Indust. Area-Louis Rd	pH	6.0-9.0	11.5	18 Jan	pH 16 SS 4 OG 8

List of Dry Drains

SD	Last Date Collected
39	5 & 17 Februaayy1981*
41	18 November 1981
50	24 August 1981
53	24 August 1981
56	24 August 1981 Flunked O&G 18.1 mg/1
58	28 May 1981 Flunked SS 62.0 mg/1
59	27 July 1981
60	18 March 1981* Flunked SS 54.0 mg/1, No Flow Reported

8 These collections were done by Andy Luke.

Elizabeth A. Betz
Supervisory Chemist

OPNAV 5216/144 (REV. 6-70)
S/N 0107-LF-778-8099
DEPARTMENT OF THE NAVY

Memorandum

DATE: 2 March 1982

FROM: Ms. Betz, Quality Control Lab., Environmental Section, NREAB, BMaintDiv

TO: Mr. Sharpe, Supervisory Ecologist, Environmental Section, NREAB, BMaintDiv

SUBJ: Storm Drain Violations for February 1982

1. Storm Drains 42, 43, 48, 62-65, 71, 72, 78-80, and 81-88 were checked in February 1982. Below is a list of violations and a list of dry drains.

List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
42	Hadnot Pt/Behind Central MC Exchange	SS	50 mg/1	1679	1 Feb	pH 8 SS 10 OG 1
43	Hadnot Pt/Behind Central MC Exchange	OG	15 mg/1	19.3	1 Feb	pH 1 SS 2 OG 3
65	French Creek/By FC-260	SS	50 mg/1	102	1 Febq	pH 0 SS 1 OG 0

List of Dry Drains

SD	Date of Last Collection
78	23 November 1981
79	13 August 1982
80	1979
85	22 April 1981
88	29 September 1981

Elizabeth A. Betz
Supervisory Chemist

BASE MAINTENANCE DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

MAIN/PSH/rn
11345
9 Mar 1982

From: Sewage Disposal Plant Operator General Foreman
To: Quality Control Lab

Subj: Failure of B.O.D. at Courthouse Bay Sewage Treatment Plant for the month of December 1982

1. One of the filter feed pumps broke a shaft and had to be overhauled. This necessitated the operation of a bigger pump which increased the optimum hydraulic loading which cut off reducing the optimum loading. This sparadic feeding facilitated the failure of B.O.D. at the Courthouse Bay plant.

P. S. HUFFMAN, JR.

BASE MAINTENANCE DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

MAIN/PSH/rn
11345
9 Mar 1982

From: Sewage Disposal Plant Operator General Foreman
To: Quality Control Lab

Subj: Failure of B.O.D. at Camp Johnson Sewage Treatment Plant for the month of January and February 1982

1. The filter at Camp Johnson Sewage Treatment Plant was out for five days the first of January for maintenance and repair. When we put the filter back in operation, it ran for about two weeks and the center column bearing went out (was out for about 1½ weeks). The growth on the filter died, causing the failure of B.O.D. for the months of January and February.

P. S. HUFFMAN, JR.