6280/2
NREAD
20 DEC 1984

Mr. Robert F. Helms, Director
Division of Environmental Management
NC Department of Natural Resources and
Community Development
Post Office Box 27687
Raleigh, NC 27611

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System (NPDES) permit number NC 0003239, Discharge Monitoring Reports (DMRs) for the period September, October, and November 1984 are submitted:

Incomplete data is provided for the week 9-15 September 1984 due to the impact of Hurricane Diana on utilities and laboratory operations. After 9 September, the Biochemical Oxygen Demand (BOD) or Total Suspended Solids (TSS) were not run for the seven wastewater treatment plants. Also, the BODs reported for 6 September were seven-day BODs and the BODs for 7 September were six-day BODs, due to the laboratory being secured on 12 and 13 September 1984.

Rifle Range Wastewater Treatment Plant violated the NPDES permit requirement for monthly BOD percent removal average for October 1984. The violation is attributed to the low BOD loading. Influent and effluent monthly averages were 33 mg/l and 5 mg/l respectively.

Courthouse Bay Wastewater Treatment Plant violated the NPDES permit requirement for TSS percent removal average for November 1984 with an 80.4 percent. The violation is attributed to a faulty bearing in the center column of the trickling filter. The bearing has been replaced.

The storm drain violation depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided 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.

6280/2
NREAD

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

Sincerely,

M. G. LILLEY
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
EPA, REGION IV
NAVFACENGCOM
NEESA

Blind copy to: (w/encl (2))
BMAIND (Util Br)
NREAD (QCL)

NPDES PERMIT NO. NC0003239 VIOLATIONS FOR THE PERIOD September, October, November 1984

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SS 05	BOD% Removal	85%	84.8%	October 1984
SS 06	TSS% Removal	85%	80.4%	November 1984
SD 69	pH	6.0-9.0	5.1	9 September 1984
SD 28	pH	6.0-9.0	9.1	26 November 1984
SD 42	TSS	50 mg/l	295.2	26 November 1984
SD 90	pH	6.0-9.0	5.8	27 November 1984

ENCLOSURE (2)

6280/2
NREAD

20 DEC 1984

Mr. Robert F. Helms, Director
Division of Environmental Management
NC Department of Natural Resources and
Community Development
Post Office Box 27687
Raleigh, NC 27611

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Incomplete data is provided for the week 9-15 September 1984 due to the impact of Hurricane Diana on utilities and laboratory operations. After 9 September, the Biochemical Oxygen Demand (BOD) or Total Suspended Solids (TSS) were not run for the seven wastewater treatment plants. Also, the BODs reported for 6 September were seven-day BODs and the BODs for 7 September were six-day BODs, due to the laboratory being secured on 12 and 13 September 1984.

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6280/2
NREAD

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M. G. LILLEY
Colonel, U. S. Marine Corps
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By direction of the Commanding General

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
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Blind copy to: (w/encl (2))
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SD 90	pH	6.0-9.0	5.8	27 November 1984

ENCLOSURE (2)

6280/2
NREAD
NRE

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

Dear Sir:

In accordance with thquirements of National Pollutant Discharge Elimination System (NPDES) permit number NC0003239, Discharge Monitoring Reports (DMRs) for the period September, October, November 1984 are submitted.

Due to Hurricane Diana, which was in the area the week of 9 September 1984, there were no Biochemical Oxygen Demand (BOD) or Toaal Suspended Solids (TSS) results for that week for the seven wastewater treatment plants. The BODs reported 66r 6 September 1984 were 7-day BODs and the BODs reported for 7 September 1984 were 6-day BODs, due to the laboratory beigg secured on 12 & 13 September 1984 as a result of the weather conditions.

Rifle Range Wastewater Treatment Plant violted the NPDES permit requirement for mnnthly BOD percent removal average for October 1984. The violation is attrib buted to the low BOD loading. Influent and effluent monthly averages were 33 mg/l and 5 mg/l respectively.

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For further pertinent details on any of the above, you may contact Mr. Julian

For further pertinent details on any af the above, you may contact Mr. Julian Wootem, Director, Natural Resources and Environmmntal Affairs Division at (919) 451-5003/2083.

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
NAVFACENGCOM
NEESA
NC DEPT OF NATRES&COMDEV

Blind copy to: (w/Encl (2))
BMAINDIV (Util Br)
NREAD (QCL)

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SD 90	pH	6.0-9.0	5.8	27 Nov 1984

DDS

UNITED STATES MARINE CORPS
Base Maintenance Division
Marine Corps Base
Camp Lejeune, North Carolina 28542

IN REPLY REFER TO
11345.1
MAIN
13 Dec 84

From: Sewage Disposal Plant Operator Foreman
To: Director, Utilities Branch

Subj: NPDES PERMIT VIOLATION, BB-4

1. The Courthouse Bay Wastewater Treatment Plant, Building BB-4, violated the parameter for percent removal of SS for the month of November 1984, parameter being 85% removal. Removal for November was 80.4% SS.

2. The center column bearing on the trickling filter became very tight due to excessive wear. When this happened, the filter arm would not turn with normal flow. To get the arm to turn, the operator put on more pumps to force the arm to turn, causing an excessive hydraulic loading on the filter media.

3. The situation was corrected by replacing the bearing and repairing the center column.

M. D. DAVIS, JR.

- -

11345
MAIN
13 Dec 84

FIRST ENDORSEMENT

From: Director, Utilities Branch
To: Director, Natural Resources and Environmental Affairs

1. Forwarded for appropriate action.

G. S. Johnson, Jr.
G. S. JOHNSON, JR.

Copy to:
ABMO

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

11345.4
MAIN
14 November 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES PERMIT VIOLATION, RR-92

1. The Rifle Range Wastewater Treatment Plant violated the parameter for percent removal of BOD for the month of October 1984, parameter being 85% removal. Actual BOD removal for October was 84.8%.

2. The average monthly influent BOD loading was 33 mg/l and an effluent average of 5 mg/l, with a high of only 53 mg/l influent and 9 mg/l effluent.

3. The permit violation is attributed to the low BOD loading recorded during the month.

W. R. Price
W. R. PRICE

- -

11345
MAIN
14 November 1984

FIRST ENDORSEMENT

From: Director, Utilities Branch
To: Director, Natural Resources and Environmental Affairs

1. Forwarded for appropriate action.

G. S. Johnson, Jr.
G. S. JOHNSON, JR

STORM DRAIN VIOLATION

SD 69 pH 5.1 9/19

~~OCT~~ SEPT PLANTS

OB 3 FLOWS (11-13 DURING DIANA)

ALL PLANTS - 6 SEP - 7 DAY BOD

TOP 4 - 7 SEP - 6 DAY BOD

ALL PLANTS - WEEK OF 9-15
NO BOD OR SS - DIANA

OG PLANTS

RR - BOD % AVER 84.8%

SD 28 pH 9.1 11/26/84
SD 90 pH 5.8 11/27/84
SD 42 SS 295.2 11/26/84

— FLOW	FLOW	%	%	MON	pH	G	1	FLOW	%	MON
1	1	pH	pH	%	1	Cl_2	2	1	pH	%
2	2	1	1	1	C 2		3	2	1	G
3	3	2	2	2	Cl_2 3		4	3	2	ClO_2
4	4	3		3	4		G	4	3	
MONTHS		4		4	MON		Cl_2	5	4	
%	M	5		5	%			MONIT	5	

SEPT 84		OCT 84		NOV 84	
CG	1-4	CG	1-5	CG	1-5
TT	5-8	TT	6-10	TT	6-10
CJ	9-12	CJ	11-15	CJ	11-15
HP	13-16	HP	16-19	HP	16-19
RR	17-20	RR	20-23	RR	20-23
CHB	21-24	CHB	24-27	CHB	24-27
OB	25-28	OB	28-31	OB	28-31
OB	28-29	OB WTP	32-33	OB WTP	32-33
RR	30-38	RW	34-42	RW	34-42
SD	39-82	SD		SD	43-102
OUT OF 82		OUT OF 42		OUT OF 102	

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. 2000-001

(2-16) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM	84 (20-21)	11 (22-23)	01 (24-25)	TO	84 (26-27)	11 (28-29)	31 (30-31)

NOTE: Read instructions before completing this form.

PARAMETER (32-37)		(3 Card Only) (46-53) QUANTITY OR LOADING (54-61) AVERAGE	MAXIMUM	UNITS	(4 Card Only) (38-45) QUALITY OR CONCENTRATION (46-53) MINIMUM	AVERAGE	(54-61) MAXIMUM	UNITS	NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)	SAMPLE TYPE (69-70)
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W= 6 NOV 84	PERMIT REQUIREMENT				6.0	NO SAMPLE	10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W= 13 NOV 84	PERMIT REQUIREMENT				6.0	8.3	10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W= 20 NOV 84	PERMIT REQUIREMENT				6.0	8.3	10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W= 27 NOV	PERMIT REQUIREMENT				6.0	8.1	10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W=	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	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 USC § 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*)

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. 2000-001

(2-16) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			
	(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)
00530 Total Suspended Solids	SAMPLE MEASUREMENT				NO	SAMPLE		mg/1	00	01/07	8 HC
W= 6 NOV	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					29.3		mg/1	00	01/07	8 HC
W= 13 NOV	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT				NO	SAMPLE		mg/1	00	01/07	8 HC
W= 20 NOV	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					2.4		mg/1	00	01/07	8 HC
W= 27 NOV	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT							mg/1	00	01/07	8 HC
W=	PERMIT REQUIREMENT					30	50			01/07	Comp
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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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)

Form Approved
OMB No. 2040-0086

DISCHARGE MONITORING REPORT (DMR)

NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES)

PERMIT NUMBER: MC0003590

DISCHARGE NUMBER: 001

MONITORING PERIOD: FROM YEAR 00 MO 01 DAY 01 TO YEAR 00 MO 01 DAY 31

FACILITY: Matanuska Corps Base

LOCATION: Palmer, Alaska

PLANT MANAGER: Lt Col Thomas Jones

CERTIFICATION NUMBER: 1000C 310

NOTE: Read instructions before completing this form.

PARAMETER	QUANTITY OR LOADING (1) AVERAGE	QUANTITY OR LOADING (2) MAXIMUM	UNITS	QUALITY OR CONCENTRATION (3) MINIMUM	QUALITY OR CONCENTRATION (4) AVERAGE	QUALITY OR CONCENTRATION (5) MAXIMUM	UNITS	NO. EX	FREQUENCY OF ANALYSIS	SAMPLE TYPE
Flow, in conduit or thru treatment plant							MGD		1/Day	Continuous
Temperature (Winter)							°C		1/Day	Grab
Temperature (Summer)							°C		1/Day	Grab
pH							SU		1/Day	Grab
Chlorine, Total Residual							mg/L		1/Day	Grab
Oil and Grease							mg/L		1/Month	Grab
Solids, Settleable							ml/L		1/Month	Grab
Solids, Total Suspended							mg/L		1/Month	Grab
Fecal Coliform							#/100 ml		1/Month	Grab
Ammonia (as N)							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab
Chlorine, Total Residual							mg/L		1/Month	Grab

6280/2
NREAD
28 SEP 1984

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 1984 are submitted.

Rifle Range Wastewater Treatment Plant violated the NPDES permit requirement for monthly Biochemical Oxygen Demand (BOD) percent removal average for July 1984. The violation is attributed to the low BOD loading. Influent and effluent monthly averages were 25 mg/l and 4 mg/l respectively.

The storm drain violation depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided 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, Director, Natural Resources and Environmental Affairs Division at (919) 451-5003/2083.

Sincerely,

M. G. LILLEY
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
NAVFACENGCOM
NEESA
NC DEPT OF NATRES&COMDEV
Blind copy to:
BMAINDIV (Util Br) NREAD (QCL)

NPDES PERMIT NO. NC0003239 VIOLATIONS FOR THE PERIOD June, July and August 1984

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SS 14	TSS	30 mg/l	31.0	10 Jul 1984
SD 42	TSS	50 mg/l	58.4	24 Jul 1984
SS 05	BOD% Removal	85%	84.0%	July 1984

ENCLOSURE (2)

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

11345.4
MAIN
8 August 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RR-92

1. The Rifle Range Wastewater Treatment Plant violated the parameter for percent removal bo BOD for the month of July 1984, parameter being 85% removal. Actual BOD removal for July was 84%.

2. The average monthly influent BOD loading was 25 mg/l and an effluent average of 4 mg/l, with a high of only 44 mg/l influent and 6 mg/l effluent.

3. The permit violation is attributed to the low BOD loading recorded during the month.

W. R. PRICE

11345
MAIN
8 August 1984

FIRST ENDORSEMENT

From: Director, Utilities Branch
To: Director, Natural Resources and Environmental Affairs

1. Forwarded for appropriate action.

G. S. Johnson Jr.
G. S. JOHNSON, JR

JW 6-4-84

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

DEPARTMENT OF THE NAVY
Memorandum

DATE: 4 June 1984

FROM: Utilities Systems General Foreman

TO: Natural Resources and Environmental Affairs Branch

SUBJ: SAMPLE COLLECTION, BUILDING 683

1. All effluent flow was discontinued on 1 June 1984, 1500 through 2200; this was due to broken water line, eliminating chlorination capabilities. Therefore, we were unable to collect samples during this period.

WR Price
W. R. PRICE

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

4 June 1984

Utilities Systems General Foreman

Natural Resources and Environmental Affairs Branch

SAMPLE COLLECTION, BUILDING 683

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W. R. PRICE

4 June 1964

Utilities Systems General Foreman

Natural Resources and Environmental Affairs Department

SAMPLE CONTRACTION, Boiling Holds

1. AFW effluent flow was lessened on 1 June 1964 (300 thru 2200 gals) due to broken water line, eliminating chlorination capabilities. Therefore we were unable to collect samples during this period.

W. R. PRICE

6280/2
NREAD/EAB

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 1983 are submitted.

Rifle Range Wastewater Treatment Plant violated the NPDES permit requirement for monthly Biochemical Oxygen Demand (BOD) percent removal average for July 1984. The BOD influent concentrations were extremely low, with a monthly average of 25 mg/l and a maximum value of only 444mg/l. The BOD effluent average was only 4 mg/l. The violation is attributed to the low BOD loading recorded during the month.

The storm drain violation depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided 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, Director, Natural Resources and Environmental Affairs Division at (919) 451-5003/2083.

Encls:
(1) DMRs
(2) Discharge Violations

Copy To:
CMDR NAVFACENGCOM
CMDR NEESA
NC Dept of NatRes&ComDev

Blind Copy to: (w/encl (2))
BMAINDIV (UtilBR)
NREAD (QCL)

PLANT: _____ MONTH: JUNE YEAR: 1984

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								
3-9								
10-16								
17-23								
24-30								
MONTHLY								

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE					
MAXIMUM					
MINIMUM					

CG 1-5
TT 6-10
CJ 11-15
HP 16-19
RR 20-23
CHB 24-27
OB 28-31
OB WTP 32-33
RW 34-42
SD 43-68

OUT OF 68

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: _____ MONTH: JULY YEAR: 1984

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								
8-14								
15-21								
22-28								
29-31								
MONTHLY								

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE					
MAXIMUM					
MINIMUM					

CG 1-5
TT 6-10
CJ 11-15
HP 16-19
RR 20-23
CHB 24-27
OB 28-31
OB WTP 32-33
RW 34-42
SD 43-50

OUT OF 50

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: _____ MONTH: AUGUST YEAR: 1984

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								
5-11								
12-18								
19-25								
26-31								
MONTHLY								

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE					
MAXIMUM					
MINIMUM					

CG 1-5
TT 6-10
CJ 11-15
HP 16-19
RL 20-23
GHB 24-27
OB 28-31
OB WTP 32-33
RW 34-42
SD 43-68

OUT OF 68

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)

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. 2000-001

(2-16) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			
	(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)
00403 pH Laboratory	SAMPLE MEASUREMENT					8.3			00	01/07	Grab
W= 5/8/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.2			00	01/07	Grab
W= 5/15/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.4			00	01/07	Grab
W= 5/22/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					7.6			00	01/07	Grab
W= 5/29/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					7.7			00	01/07	Grab
W= 6/6/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
6-	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

TYPED OR PRINTED

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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)*

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) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

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

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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)
00530 Total Suspended Solids	SAMPLE MEASUREMENT					1		mg/1	00	01/07	8 HC
W= 5/8/84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					9.0		mg/1	00	01/07	8 HC
W= 5/15/84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					8.0		mg/1	00	01/07	8 HC
W= 5/22/84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					6.0		mg/1	00	01/07	8 HC
W= 5/29/84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					7.2		mg/1	00	01/07	8 HC
W= 6-6-84	PERMIT REQUIREMENT					30	50			01/07	Comp
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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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. 2000-001

(2-16) NC0003239 PERMIT NUMBER

(17-19) 014 DISCHARGE NUMBER

Onslow Beach Water Treatment Plant

MONITORING PERIOD

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

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00403 pH Laboratory W= 6/19/84	SAMPLE MEASUREMENT					8.7			00	01/07	Grab
	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory W= 6/26/84	SAMPLE MEASUREMENT					9.11			00	01/07	Grab
	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory W= 7-3-84	SAMPLE MEASUREMENT					8.7			00	01/07	Grab
	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory W= 7/10/84	SAMPLE MEASUREMENT					9.1			00	01/07	Grab
	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory W=	SAMPLE MEASUREMENT								00	01/07	Grab
	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
7/24/84	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
7/31/84	SAMPLE MEASUREMENT					7.6					
	PERMIT REQUIREMENT										

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TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

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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) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

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

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00530 Total Suspended Solids	SAMPLE MEASUREMENT					13.3		mg/l	00	01/07	8 HC
W= 6-19-84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					19.5		mg/l	00	01/07	8 HC
W= 6-26-84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					12.8		mg/l	00	01/07	8 HC
W= 7-3-84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					31.0		mg/l	00	01/07	8 HC
W= 7-10/84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					8.4		mg/l	00	01/07	8 HC
W= 7/24/84	PERMIT REQUIREMENT					30	50			01/07	Comp
	SAMPLE MEASUREMENT					8.0					
7/31/84	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

NAME/TITLE PRINCIPAL EXECUTIVE OFFICER

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

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Camp Lejeune, NC 28542
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Form Approved
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Onslow Beach Water Treatment Plant

MONITORING PERIOD

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

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00403 pH Laboratory	SAMPLE MEASUREMENT					7.7			00	01/07	Grab
W= 7 AUG 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					6.7			00	01/07	Grab
W= 14 AUG 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W= 21 AUG 84	PERMIT REQUIREMENT				6.0	7.9	10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W=	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT								00	01/07	Grab
W=	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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ADDRESS Marine Corps Base
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FACILITY UIC 67001
LOCATION LANTDIV

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DISCHARGE MONITORING REPORT (DMR)

Form Approved
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(2-16) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			
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00530 Total Suspended Solids	SAMPLE MEASUREMENT					23.0		mg/l	00	01/07	8 HC
N= 7AUG84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					11.6		mg/l	00	01/07	8 HC
N= 14AUG 84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					NO SAMPLE		mg/l	00	01/07	8 HC
N= 21 AUG 84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT							mg/l	00	01/07	8 HC
N=	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT							mg/l	00	01/07	8 HC
N=	PERMIT REQUIREMENT					30	50			01/07	Comp
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										
	SAMPLE MEASUREMENT										
	PERMIT REQUIREMENT										

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TELEPHONE: AREA CODE | NUMBER

DATE: YEAR | MO | DAY

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

(REPLACES EPA FORM 1-4D WHICH MAY NOT BE USED.)

6280/2
NREAD
25 JUN 1984

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 March, April and May 1984 are submitted.

Camp Johnson Wastewater Treatment Plant violated the NPDES permit requirement for monthly Total Suspended Solids (TSS) percent removal average for March 1984. Operators observed red colored wastewater containing unidentified chemicals flooding the trickling filter on 16 and 18 April 1984. The shock load caused trickling filter growth damage.

Rifle Range Wastewater Treatment Plant violated the NPDES permit requirement for monthly Biochemical Oxygen (BOD) percent removal average for March 1984. The BOD influent concentrations were extremely low, with a monthly average of 30 mg/l and a maximum value of only 53 mg/l. The BOD effluent average was only 5 mg/l. Therefore, the violation was due to a low influent BOD concentrations caused by heavy rains diluting the wastewater and a reduced number of personnel using the area.

Courthouse Bay Wastewater Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for March and April 1984 and monthly TSS percent removal average for April 1984. This problem is attributed to shock loads of chemicals and oil from oil/water separators entering the plant. On 23 March 1984, the new raw sewage holding basin was put into operation. During the week of 15 April 1984, the influent sampling point was moved to the lift station before the basin to obtain a more representative influent sample. In May 1984 the plant BOD and TSS percent removal met compliance requirements.

Onslow Beach Wastewater Treatment Plant violated the NPDES permit requirement for monthly TSS percent removal average for April 1984. The TSS influent concentrations were low, with a monthly average of 40 mg/l and a maximum value of 100 mg/l. The TSS effluent average was only 7 mg/l. The violation was attributed to a low influent flow and associated BOD concentration which was the result of few personnel assigned to the area.

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, Director, Natural Resources and Environmental Affairs Division at (919) 451-5003/2083.

Sincerely,

M. G. LILLEY
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
CMDR NAVFACENGCOM
CMDR NESSA
NC Dept of NatRes&ComDev

Blind copy to: (w/encl (2))
BMAINDIV (Util Br)
NREAD (QCL)

NPDES PERMIT NO. NC0003239 VIOLATIONS FOR THE PERIOD March, April, May 1984

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SS 03	TSS % Removal	85%	84.8	March 1984
SS 05	BOD % Removal	85%	83.3	March 1984
SS 06	BOD % Removal	85%	75.8	March 1984
SS 06	BOD % Removal	85%	80.4	April 1984
SS 06	TSS % Removal	85%	73.8	April 1984
SS 07	TSS % Removal	85%	82.5	April 1984
SD 57	pH	6.0-9.0	9.4	1 March 1984
SD 67	pH	6.0-9.0	5.7	12 March 1984
SD 71	TSS	50 mg/l	115.0	12 March 1984
SD 42	TSS	50 mg/l	419.3	3 April 1984
SD 43	TSS	50 mg/l	154.0	3 April 1984
SD 90	pH	6.0-9.0	5.9	19 April 1984
SD 30	pH	6.0-9.0	5.6	26 April 1984

ENCLOSURE (2)

Ad W
4-12-84

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

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, M-136

1. The Camp Johnson Wastewater Treatment Plant violated the parameter for per cent removal of suspended solids for the month of March 1984, parameter being 85% removal. Removal for the month of March was 84.8% suspended solids.

2. Shock loads of unidentified chemicals and red water flooded the trickling filter on the 16th and 18th, killing the filter growth which takes approximately two weeks to regain normal efficiency.

3. We have checked all areas of Camp Johnson but have been unable to locate a source or type of chemical that could have caused the destruction of filter growth.

W R Price
W. R. PRICE

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, M-136

1. Forwarded for appropriate action.

D L Southerland
D. L. SOUTHERLAND
By direction

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, M-136

1. The Camp Johnson Wastewater Treatment Plant violated the parameter for per cent removal of suspended solids for the month of March 1984, parameter being 85% removal. Removal for the month of March was 84.8% suspended solids.

2. Shock loads of unidentified chemicals and red water flooded the trickling filter on the 16th and 18th, killing the filter growth which takes approximately two weeks to regain normal efficiency.

3. We have checked all areas of Camp Johnson but have been unable to locate a source or type of chemical that could have caused the destruction of filter growth.

W. R. PRICE

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, M-136

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

gilw
4-12-84

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

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD for the month of March 1984, parameter being 85% removal. Removal for March was 75.8% for BOD.

2. Loads of chemicals and oil from oil/water separators continued to flood the plant keeping the filter growth cut down until the 23rd when the raw sewage holding pond was put into operation.

3. The new raw sewage holding pond was put into operation on the 23rd of March. After a short period of adjustment, the shock loads should be eliminated and allow a much smoother operation.

W R Price
W. R. PRICE

- -

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D L Southerland
D. L. SOUTHERLAND
By direction

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD for the month of March 1984, parameter being 85% removal. Removal for March was 75.8% for BOD.

2. Loads of chemicals and oil from oil/water separators continued to flood the plant keeping the filter growth cut down until the 23rd when the raw sewage holding pond was put into operation.

3. The new raw sewage holding pond was put into operation on the 23rd of March. After a short period of adjustment, the shock loads should be eliminated and allow a much smoother operation.

W. R. PRICE

- -

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

MAIN/DEB/abb
1143
12 April 1984

FIRST INDORSEMENT on Utilities Systems General Foreman ltr MAIN/WM/abb
1143.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, NM-207

1. Forwarded for appropriate action.

D. A. SOUTHERLAND
By direction

gwW
4-12-84

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

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RR-92

1. The Rifle Range Wastewater Treatment Plant violated the parameter for per cent removal of BOD for the month of March 1984, parameter being 85% removal. Removal for the month of March was 83.3% BOD.

2. There was an extremely low BOD influent for the entire month with an average of 30 mg/l and an effluent average of 5 mg/l. With a BOD influent this low, we cannot meet the percent removal requirement. However, we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rain and very few people on the range.

W R Price
W. R. PRICE

- -

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, RR-92

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RR-92

1. The Rifle Range Wastewater Treatment Plant violated the parameter for per cent removal of BOD for the month of March 1984, parameter being 85% removal. Removal for the month of March was 83.3% BOD.

2. There was an extremely low BOD influent for the entire month with an average of 30 mg/l and an effluent average of 5 mg/l. With a BOD influent this low, we cannot meet the percent removal requirement. However, we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rain and very few people on the range.

W. R. PRICE

- -

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, RR-92

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

MAIN/MWJ/abk
11363.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, NA-12

1. The Little Tinker Wastewater Treatment Plant violated the parameter for per cent removal of BOD for the month of March 1984. Permanent Solid TSS removal. Removal for the month of March was 15.12 %.

2. There was an extremely low BOD influent for the month with an average of 30 mg/l and an effluent average of 3 mg/l. With a BOD influent this low, we cannot meet the percent removal requirement. However, we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rain and very few people on the range.

V. M. PRICE

MAIN/DLB/abk
11363
12 April 1984

FIRST INDORSEMENT on Utilities Systems General Foreman ltr MAIN/MWJ/abk
11363.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, NA-12

1. Forwarded for appropriate action.

D. L. SUTHERLAND
By direction

JCW
5-15-84
DDS
5-15-84

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

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD and SS for the month of April 1984, parameter being 85% removal. Removal for April was 80.4% BOD and 73.8% SS.

2. The new raw sewage holding pond was put into operation on March 23, 1984. The initial adjustment period required more time than expected due to pond discharge pumps being oversized for present plant capacity. The capacity of the pond discharge pumps is considerably greater than the existing plant capacity. This resulted in the plant being flooded for approximately two hours and then it was off for approximately the same period of time. This allowed the filter growth to dry out and fall off. Also, raw sewage was being diluted in pond due to influent line being submerged in approximately two feet of water.

3. A new 250 gallons per minute pump has been ordered to replace one of the existing 500 GPM pumps in pond which will give an even and continuous flow that is compatible with the existing plant capacity. Also, the influent sampling point has been relocated to the lift station, Building SBB-1, where a more representative sample can be collected.

W R Price
W. R. PRICE

- -

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD and SS for the month of April 1984, parameter being 85% removal. Removal for April was 80.4% BOD and 73.8% SS.

2. The new raw sewage holding pond was put into operation on March 23, 1984. The initial adjustment period required more time than expected due to pond discharge pumps being oversized for present plant capacity. The capacity of the pond discharge pumps is considerably greater than the existing plant capacity. This resulted in the plant being flooded for approximately two hours and then it was off for approximately the same period of time. This allowed the filter growth to dry out and fall off. Also, raw sewage was being diluted in pond due to influent line being submerged in approximately two feet of water.

3. A new 250 gallons per minute pump has been ordered to replace one of the existing 500 GPM pumps in pond which will give an even and continuous flow that is compatible with the existing plant capacity. Also, the influent sampling point has been relocated to the lift station, Building SBB-1, where a more representative sample can be collected.

W. R. PRICE

- -

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

MAIN/WRD/sbk
11343.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, NM-207

1. The Centralia Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD and SS for the month of April 1984, parameter being 85% removal. Removal for April was 80.4% BOD and 73.8% SS.

2. The new raw sewage holding pond was put into operation on March 15, 1984. The initial adjustment period required more time than expected due to pond discharge pumps being oversized for present plant capacity. The capacity of the pond discharge pumps is considerably greater than the existing plant capacity. This resulted in the plant being flooded for approximately two hours and then it was off for approximately the same period of time. This allowed the filter growth to dry out and fall off. Also, raw sewage was being diluted in pond due to effluent line being submerged in approximately two feet of water.

3. A new 750 gallons per minute pump has been ordered to replace one of the existing 500 GPM pumps in pond which will give an even and continuous flow that is compatible with the existing plant capacity. Also, the influent sampling point has been relocated to the lift station, building 5A-1, where a more representative sample can be collected.

W.R. PILOT

MAIN/DLS/sbk
11343
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRD/sbk
11343.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, NM-207

1. Forwarded for appropriate action.

D.W. SOUTHERLAND
By direction

5-15-84
DDS
5-15-84

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

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, SBA-160

1. The ~~Rifle Range~~ ONSLOW BEACH Wastewater Treatment Plant violated the parameter for percent removal of SS for the month of April 1984, parameter being 85% removal. Removal for the month of April was 82.5%.

2. There was extremely low influent solids for the entire month with an average of 40 mg/1 and an effluent average of 7 mg/1.

3. We believe that a low influx is the primary reason for the low influent solids.

W R Price
W. R. PRICE

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, SBA-160

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

FWW
5-15-84
DDS
5-15-84

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

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, SBA-160

1. The Rifle Range Wastewater Treatment Plant violated the parameter for percent removal of SS for the month of April 1984, parameter being 85% removal. Removal for the month of April was 82.5%.

2. There was extremely low influent solids for the entire month with an average of 40 mg/1 and an effluent average of 7 mg/1.

3. We believe that a low influx is the primary reason for the low influent solids.

WRPrice
W. R. PRICE

- -

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, SBA-160

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, SBA-160

1. The Rifle Range Wastewater Treatment Plant violated the parameter for percent removal of SS for the month of April 1984, parameter being 85% removal. Removal for the month of April was 82.5%.

2. There was extremely low influent solids for the entire month with an average of 40 mg/l and an effluent average of 7 mg/l.

3. We believe that a low influx is the primary reason for the low influent solids.

W. R. PRICE

- -

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, SBA-160

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

NREAD/EAB
6280/2

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 (DMR's) for the period March, April and May 1984 are submitted.

Camp Johnson Wastewater Treatment Plant violated the NPDES permit requirement for monthly Total Suspended Solids (TSS) percent removal average for March 1984. Shock loads of unidentified chemicals and red water flooded the trickling filter on 16 and 18 April 1984 and damaged the filter growth.

Rifle Range Wastewater Treatment Plant violated the NPDES permit requirement for monthly Biochemical Oxygen Demand (BOD) percent removal average for March 1984. The BOD influent concentrations were extremely low, with a monthly average of 30 mg/l and a maximum value of only 53 mg/l. The BOD effluent average was only 5 mg/l. Therefore, the violation was due to a low influent caused by heavy rains diluting the wastewater and a reduced number of personnel using the area.

Courthouse Bay Wastewater Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for March and April 1984 and monthly TSS percent removal average for April 1984. Shock loads of chemicals and oil from oil/water separators continued to flood the plant. On 23 March 1984, the new raw sewage holding basin was put into operation. The basin discharge pumps required adjusting before the basin could reduce the shock loading. The week of 15 April 1984, the influent sampling point was moved to the lift station before the basin, because laboratory results showed BOD and TSS removal occurring in the basin. As the DMR's show the plant came back

into compliance with the BOD and TSS percent removal requirements in May 1984.

Onslow Beach Wastewater Treatment Plant violated the NPDES permit requirement for monthly TSS percent removal average for April 1984. The TSS influent concentrations were low, with a monthly average of 40 mg/l and a maximum value of 100 mg/l. The TSS effluent average was only 7 mg/l. The violation was due to a low influx; a result of few personnel using the area.

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, Director, Natural Resources and Environmental Affairs Division, at (919) 451-5003/2083.

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
NC Dept of NatRes&ComDev
CMDR NAVFACENGCOM
CMDR NEESA

Blind copy to: (w/Encl (2))
BMAINDIV (Util Br)
NREAD (QCL)

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD March, April, May 1984

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SS 03	TSS % Removal	85%	84.8	Mar 1984
SS 05	BOD % Removal	85%	83.3	Mar 1984
SS 06	BOD % Removal	85%	75.8	Mar 1984
SS 06	BOD % Removal	85%	80.4	Apr 1984
SS 06	TSS % Removal	85%	73.8	Apr 1984
SS 07	TSS % Removal	85%	82.5	Apr 1984
SD 57	pH	6.0-9.0	9.4	1 Mar 1984
SD 67	pH	6.0-9.0	5.7	12 Mar 1984
SD 71	TSS	50 mg/l	115.0	12 Mar 1984
SD 42	TSS	50 mg/l	419.3	3 Apr 1984
SD 43	TSS	50 mg/l	154.0	3 Apr 1984
SD 90	pH	6.0-9.0	5.9	19 Apr 1984
SD 30	pH	6.0 .9.0	5.6	26 Apr 1984

5-15-84
DPS
5-15-84

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

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, SBA-160

1. The ~~Rifle Range~~ ONSLOW BEACH Wastewater Treatment Plant violated the parameter for percent removal of SS for the month of April 1984, parameter being 85% removal. Removal for the month of April was 82.5%.

2. There was extremely low influent solids for the entire month with an average of 40 mg/l and an effluent average of 7 mg/l.

3. We believe that a low influx is the primary reason for the low influent solids.

W R Price
W. R. PRICE

- -

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, SBA-160

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

5-15-84
DPS
5-15-84

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

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, SBA-160

1. The Rifle Range Wastewater Treatment Plant violated the parameter for percent removal of SS for the month of April 1984, parameter being 85% removal. Removal for the month of April was 82.5%.

2. There was extremely low influent solids for the entire month with an average of 40 mg/l and an effluent average of 7 mg/l.

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W R Price
W. R. PRICE

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, SBA-160

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

JLW 5-15-84
DDS 5-15-84

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

MAIN/WRP/shk
11345.4
10 May 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD and SS for the month of April 1984, parameter being 85% removal. Removal for April was 80.4% BOD and 73.8% SS.

2. The new raw sewage holding pond was put into operation on March 23, 1984. The initial adjustment period required more time than expected due to pond discharge pumps being oversized for present plant capacity. The capacity of the pond discharge pumps is considerably greater than the existing plant capacity. This resulted in the plant being flooded for approximately two hours and then it was off for approximately the same period of time. This allowed the filter growth to dry out and fall off. Also, raw sewage was being diluted in pond due to influent line being submerged in approximately two feet of water.

3. A new 250 gallons per minute pump has been ordered to replace one of the existing 500 GPM pumps in pond which will give an even and continuous flow that is compatible with the existing plant capacity. Also, the influent sampling point has been relocated to the lift station, Building SBB-1, where a more representative sample can be collected.

W R Price
W. R. PRICE

MAIN/DLS/shk
11345
10 May 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 10 May 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

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

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RR-92

1. The Rifle Range Wastewater Treatment Plant violated the parameter for per cent removal of BOD for the month of March 1984, parameter being 85% removal. Removal for the month of March was 83.3% BOD.

2. There was an extremely low BOD influent for the entire month with an average of 30 mg/l and an effluent average of 5 mg/l. With a BOD influent this low, we cannot meet the percent removal requirement. However, we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rain and very few people on the range.

W. R. Price
W. R. PRICE

- -

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, RR-92

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

8 W
4-12-84

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

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameter for percent removal of BOD for the month of March 1984, parameter being 85% removal. Removal for March was 75.8% for BOD.

2. Loads of chemicals and oil from oil/water separators continued to flood the plant keeping the filter growth cut down until the 23rd when the raw sewage holding pond was put into operation.

3. The new raw sewage holding pond was put into operation on the 23rd of March. After a short period of adjustment, the shock loads should be eliminated and allow a much smoother operation.

W R Price
W. R. PRICE

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D L Southerland
D. L. SOUTHERLAND
By direction

gu
4-12-84

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

MAIN/WRP/shk
11345.4
11 April 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, M-136

1. The Camp Johnson Wastewater Treatment Plant violated the parameter for per cent removal of suspended solids for the month of March 1984, parameter being 85% removal. Removal for the month of March was 84.8% suspended solids.

2. Shock loads of unidentified chemicals and red water flooded the trickling filter on the 16th and 18th, killing the filter growth which takes approximately two weeks to regain normal efficiency.

3. We have checked all areas of Camp Johnson but have been unable to locate a source or type of chemical that could have caused the destruction of filter growth.

W R Price
W. R. PRICE

MAIN/DLS/shk
11345
12 April 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 11 April 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, M-136

1. Forwarded for appropriate action.

D L Southerland
D. L. SOUTHERLAND
By direction

PLANT: All

MONTH: MAY YEAR: 1984

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								
6-12								
13-19								
20-26								
27-31								
MONTHLY								

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 ppm	pH
AVERAGE					
MAXIMUM					
MINIMUM					

GG 1-5
π 6-10
CJ 11-15
HP 16-19
RR 20-23
CHB 24-27
OB 28-31
OB WTP 32-33
RW 1 34-42
RW 2 43-51

SD 52-69

OUT OF 69

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: 1 MONTH: APRIL YEAR: _____

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								
8-14								
15-21								
22-28								
AP ONLY 29-30								
MONTHLY								

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE					
MAXIMUM					
MINIMUM					

CG 1-4
TT - 5-8
CJ - 9-12
HP - 13-16
RR - 17-20
CHB - 21-24
OB - 25-28
OB WTP 29-30
~~BW 31-39~~
~~SD 40~~
SD - 31

OUT OF 66

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: Alc

MONTH: MARCH YEAR: 1984

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								
4-10								
11-17								
18-24								
25-31								
MONTHLY								

INFLUENT AVERAGES

	DAILY FLOW GPD	BOD mg/L	TSS mg/L	Cl_2 PPM	pH
AVERAGE					
MAXIMUM					
MINIMUM					

CG - 1-5
TT - 6-10
CI - 11-15
HP - 16-19
RR - 20-23
OHB - 24-27
OB - 28-31
OBWTP 32-33
RW 34-42

SD 43

OUT OF 97

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)

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

Recorded

(2-16) NC0003239 PERMIT NUMBER

(17-19) 014 DISCHARGE NUMBER

Onslow Beach Water Treatment Plant

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			
	(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)
00403 pH Laboratory	SAMPLE MEASUREMENT					8.4			00	01/07	Grab
W= 13 MAR 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.7			00	01/07	Grab
W= 3 APR 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.5			00	01/07	Grab
W= 10 APR 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.8			00	01/07	Grab
W= 17 APR 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.5			00	01/07	Grab
W= 24 APR 84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
1 MAY 84	SAMPLE MEASUREMENT					8.3					
	PERMIT REQUIREMENT										
20 MAR	SAMPLE MEASUREMENT					8.5					
	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*)

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) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD

	YEAR	MO	DAY		YEAR	MO	DAY
FROM				TO			
	(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)
00530 Total Suspended Solids	SAMPLE MEASUREMENT					2.0		mg/1	00	01/07	8 HC
W= 13 MAR 84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					20.0		mg/1	00	01/07	8 HC
W= 3 APR 84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					2.0		mg/1	00	01/07	8 HC
W= 10 APR 84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					14		mg/1	00	01/07	8 HC
W= 17 Apr 84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					8.4		mg/1	00	01/07	8 HC
W= 24 APR 84	PERMIT REQUIREMENT					30	50			01/07	Comp
1 MAY 84	SAMPLE MEASUREMENT					1.7					
	PERMIT REQUIREMENT										
	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)*

NREAD/DDS/th
6280/2
28 MAR 1984

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 (DMR's) for the period December 1983, January and February 1984 are submitted.

Courthouse Bay Sewage Treatment Plant violated the NPDES permit requirements for monthly Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) percent removal average for January and February 1984. Heavy influx from rain and chemicals from oil/water separators flooded the plant, damaging filter growth and allowing insufficient detention time. A newly constructed raw sewage basin has been completed and should be in full operation within a month. The new basin should allow sufficient detention time and eliminate shock loading.

Hadnot Point Sewage Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for February 1984. During the construction and tie in of a new chlorine contact chamber at Hadnot Point, the contractor frequently backed up the flow causing a reduction in the BOD percent removal. The contact chamber should be finished within a month.

Rifle Range Sewage Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for February 1984. The BOD influent concentrations were extremely low, with a monthly average of 32 mg/l and a maximum value of only 52 mg/l. The BOD effluent average was only 5 mg/l. Therefore, the violation was due to a low influent caused by heavy rains diluting the wastewater and a reduced number of personnel using the area.

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.

NREAD/DDS/th
6280/2

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

Sincerely,

M. G. LILLEY
Colonel, U. S. Marine Corps
Assistant Chief of Staff, Facilities
By direction of the Commanding General

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
NC Dept of NatRes&ComDev
CMDR NAVFACENGCOM
CMDR NEESA

Blind copy to:
BMAINDIV (Util Br)
NREAD (QCL)

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD: Dec 1983, Jan and Feb 1984

Monitoring Station or Storm Drain No.	Parameter	Parameter Limits	Value	Date
SS 06	BOD % Removal	85%	81.9%	Jan 1984
SS 06	TSS % Removal	85%	82.2%	Jan 1984
SS 04	BOD % Removal	85%	83.9%	Feb 1984
SS 05	BOD % Removal	85%	84.4%	Feb 1984
SS 06	BOD % Removal	85%	73.3%	Feb 1984
SS 06	TSS % Removal	85%	80.4%	Feb 1984
SD 30	pH	6.0-9.0	5.7	14 Dec 1984
SD 40	TSS	50 mg/l	50.4	14 Dec 1984
SD 40	O&G	15 mg/l	54	14 Dec 1984
SD 57	TSS	50 mg/l	70.8	20 Dec 1984
SD 63	TSS	50 mg/l	96.0	21 Dec 1984
SD 62	TSS	50 mg/l	57.0	29 Dec 1984
SD 42	TSS	50 mg/l	119.6	27 Feb 1984
SD 63	O&G	15 mg/l	59	29 Feb 1984
SD 63	pH	6.0-9.0	5.7	29 Feb 1984
SD 64	pH	6.0-9.0	5.8	29 Feb 1984
SD 80	TSS	50 mg/l	233	29 Feb 1984
SD 80	O&G	15 mg/l	680	29 Feb 1984

ENCLOSURE (2)

MAIN/WRP/shk
11345.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RR-92

1. The Rifle Range Wastewater Plant violated the parameters for per cent removal of BOD for the month of February 1984, parameters being 85% removal. Removal affected for February was 84.4% for BOD.

2. There was an extremely low BOD influent for the entire month with an average BOD of 32 mg/1, a high of 52 mg/1 and an effluent average of 5 mg/1 and maximum of 7 mg/1. With a BOD influent this low, it is practically impossible to meet the requirement for per cent removal. However we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rains and possibly very few people on the range.

W. R. PRICE

- -

MAIN/DLS/shk
11345
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation HP-22

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

MAIN/WRT/abk
11343.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RA-32

1. The Rifle Range Wastewater Plant violated the parameters for per cent removal of BOD for the month of February 1984, parameters being 85% removal. Removal effected for February was 84.4% for BOD.

2. There was an extremely low BOD influent for the entire month with an average BOD of 22 mg/l, a High of 52 mg/l and an effluent average of 5 mg/l and maximum of 7 mg/l. With a BOD influent this low, it is practically impossible to meet the requirement for per cent removal. However we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rains and possibly very few people on the range.

W. S. SMITH

- -

MAIN/RSS/abk
11343
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRT/abk
11343.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation RA-32

1. Forwarded for appropriate action.

D. L. SOUTHWARD
By direction

MAIN/WRP/shk
11345.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Plant violated the parameters for per cent removal of BOD and SS for the month of February, 1984, parameter being 85% for BOD and SS. Removal affected for February was 73.3% BOD and 80.4% SS.

2. Heavy influx from rain and chemicals from oil/water separators continue to flood the plant, damaging filter growth and allowing insufficient detention time.

3. The newly constructed raw sewage holding basin was not put into operation as expected in February. However, the new date is set for March 13, 1984. When it is put in operation, it should allow sufficient detention time and eliminate shock loading.

W. R. PRICE

- -

MAIN/DLS/shk
11345
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

MAIN/WRP/shk
11345.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, HP-22

1. The Hadnot Point Wastewater Plant violated the parameter for per cent removal of BOD for the month of February 1984, parameters being 85% removal. Removal affected for February was 83.9% for BOD.

2. The chlorine contact chamber is presently being replaced under Contract Number N62470-71-B-1154. Due to methods used by contractor to control the flow while erecting new junction box, the flow was eratic and continuously stirred up; also many times, it did not have sufficient contact time.

3. The new chlorine contact chamber should be in operation within one to two weeks. This will allow regulation of the flow giving full contact time which should eliminate the existing problem.

W. R. PRICE

- -

MAIN/DLS/shk
11345
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, HP-22

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

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

Danny DLS
Courtesy Copy
Sent to Lab

MAIN/WRP/shk
11345.4
10 February 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameters for per cent removal of BOD and SS for the month of January 1984, parameter being 85% removal. Removal affected for January was 81.9% BOD and 82.2% for SS.

2. Shock loads of unidentified chemicals from oil/water separators flooded the trickling filter killing large sections of the zoogleal mass. When this happens the plant cannot meet the requirement for 85% removal.

3. The newly constructed raw sewage basin will be completed within one week. When this is put into operation, it should allow sufficient detention time and eliminate shock loading.

W. R. Price
W. R. PRICE

MAIN/DLS/shk
11345.4
10 February 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 February 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

NREAD/EAB
6280/2

OK
8 4 W

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 December 1983, January and February 1984 are submitted.

Courthouse Bay Sewage Treatment Plant violated the NPDES permit requirements for monthly Biochemical Oxygen Demand (BOD) and Total Suspended Solids (TSS) percent removal average for Janaury and February 1984. Heavy influx from rain and chemicals from oil/water separators flooded the plant, damaging filter growth and allowing insufficient detention time. A newly constructed raw sewage basin has been completed and should be in full operation within a month. The new basin should allow sufficient detention time and eliminate shock loading.

Hadnot Point Sewage Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for February 1984. During the construction and tie in of a new chlorine contact chamber at Hadnot Point the contractor frequently backed up the flow causing a reduction in the BOD percent removal. The contact chamber should be finished within A MONTH

Rifle Range Sewage Treatment Plant violated the NPDES permit requirements for monthly BOD percent removal average for February 1984. The BOD influent concentration were extremely low, with a monthly average of 32 mg/l and a maximum value of only 52 mg/l. The BOD effluent average was only 5 mg/l. Therefore the violation was due to a low influent caused by heavy rains diluting the wastewater and a reduced number of personnel using the area.

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, Director, Natural Resources and Environmental Affairs Division, telephone (919) 451-5003/2083.

Encls:
(1) DMRs
(2) Discharge Violations

Copy to:
NC Dept of NatRes&ComDev
CMDR NAVFACENGCOM
CMDR NEESA

Blind copy to:
BMaintDiv (Util Br)
QCL NREAD

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD DECEMBER 1983, JANUARY & FEBRUARY 1984

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SS 06	BOD % REMOVAL	85%	81.9%	JAN 1984
SS 06	TSS % REMOVAL	85%	82.2%	JAN 1984
SS 04	BOD % REMOVAL	85%	83.9%	FEB 1984
SS 05	BOD % REMOVAL	85%	84.4%	FEB 1984
SS 06	BOD % REMOVAL	85%	73.3%	FEB 1984
SS 06	TSS % REMOVAL	85%	80.4%	FEB 1984
SD 30	pH	6.0-9.0	5.7	14 DEC
SD 40	TSS	50 mg/l	50.4	14 DEC
SD 40	O&G	15 mg/l	54	14 DEC
SD 57	TSS	50 mg/l	70.8	20 DEC
SD 63	TSS	50 mg/l	96.0	21 DEC
SD 62	TSS	50 mg/l	57.0	29 DEC
SD 42	TSS	50 mg/l	119.6	27 FEB
SD 63	O&G	15 mg/l	59	29 FEB
SD 63	pH	6.0-9.0	5.7	29 FEB
SD 64	pH	6.0-9.0	5.8	29 FEB
SD 80	TSS	50 mg/l	233	29 FEB
SD 80	O&G	15 mg/l	680	29 FEB

RW
DDS

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

MAIN/WRP/shk
11345.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Plant violated the parameters for per cent removal of BOD and SS for the month of February, 1984, parameter being 85% for BOD and SS. Removal affected for February was 73.3% BOD and 80.4% SS.

2. Heavy influx from rain and chemicals from oil/water separators continue to flood the plant, damaging filter growth and allowing insufficient detention time.

3. The newly constructed raw sewage holding basin was not put into operation as expected in February. However, the new date is set for March 13, 1984. When it is put in operation, it should allow sufficient detention time and eliminate shock loading.

W. R. Price
W. R. PRICE

- -

MAIN/DLS/shk
11345
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk
11345.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D L Southerland
D. L. SOUTHERLAND
By direction

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

MAIN/WRP/shk
11345.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, RR-92

1. The Rifle Range Wastewater Plant violated the parameters for per cent removal of BOD for the month of February 1984, parameters being 85% removal. Removal affected for February was 84.4% for BOD.

2. There was an extremely low BOD influent for the entire month with an average BOD of 32 mg/l, a high of 52 mg/l and an effluent average of 5 mg/l and maximum of 7 mg/l. With a BOD influent this low, it is practically impossible to meet the requirement for per cent removal. However we are still within the limits of total BOD discharge.

3. It is believed that the low BOD influent was due to heavy rains and possibly very few people on the range.

W R Price
W. R. PRICE

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MAIN/DLS/shk
11345
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation HP-22

1. Forwarded for appropriate action.

D L Southerland
D. L. SOUTHERLAND
By direction

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

MAIN/WRP/shk
11345.4
12 March 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, HP-22

1. The Hadnot Point Wastewater Plant violated the parameter for per cent removal of BOD for the month of February 1984, parameters being 85% removal. Removal affected for February was 83.9% for BOD.

2. The chlorine contact chamber is presently being replaced under Contract Number N62470-71-B-1154. Due to methods used by contractor to control the flow while erecting new junction box, the flow was eratic and continuously stirred up; also many times, it did not have sufficient contact time.

3. The new chlorine contact chamber should be in operation within one to two weeks. This will allow regulation of the flow giving full contact time which should eliminate the existing problem.

W. R. PRICE

MAIN/DLS/shk
11345
12 March 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 12 March 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, HP-22

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

Ed W

Dan DLS
Courtesy Copy
Sent to Lab

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

MAIN/WRP/shk
11345.4
10 February 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameters for per cent removal of BOD and SS for the month of January 1984, parameter being 85% removal. Removal affected for January was 81.9% BOD and 82.2% for SS.

2. Shock loads of unidentified chemicals from oil/water separators flooded the trickling filter killing large sections of the zoogleal mass. When this happens the plant cannot meet the requirement for 85% removal.

3. The newly constructed raw sewage basin will be completed within one week. When this is put into operation, it should allow sufficient detention time and eliminate shock loading.

W. R. Price
W. R. PRICE

MAIN/DLS/shk
11345.4
10 February 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 February 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. Southerland
D. L. SOUTHERLAND
By direction

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) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	83	12	01	TO	83	12	31
	(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)
00403 pH Laboratory	SAMPLE MEASUREMENT					8.4			00	01/07	Grab
W= 12/6/83	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.2			00	01/07	Grab
W= 12/13/83	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.2			00	01/07	Grab
W= 12/20/83	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.2			00	01/07	Grab
W= 1/3/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
00403 pH Laboratory	SAMPLE MEASUREMENT					8.4			00	01/07	Grab
W= 1/10/84	PERMIT REQUIREMENT				6.0		10.0			01/07	Grab
1/17/84	SAMPLE MEASUREMENT					8.2					
	PERMIT REQUIREMENT										
1/24/84	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 USC § 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)*

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) PERMIT NUMBER: NC0003239

(17-19) DISCHARGE NUMBER: 014

Onslow Beach Water Treatment Plant

MONITORING PERIOD	YEAR	MO	DAY		YEAR	MO	DAY
FROM	83	12	01	TO	83	12	31
	(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)
00530 Total Suspended Solids	SAMPLE MEASUREMENT					1.5		mg/l	00	01/07	8 HC
W= 12/7/83	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					6.7		mg/l	00	01/07	8 HC
W= 12/13/83	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					0.4		mg/l	00	01/07	8 HC
W= 12/20/83	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					8.4		mg/l	00	01/07	8 HC
W= 1/3/84	PERMIT REQUIREMENT					30	50			01/07	Comp
00530 Total Suspended Solids	SAMPLE MEASUREMENT					5.2		mg/l	00	01/07	8 HC
W= 1/10/84	PERMIT REQUIREMENT					30	50			01/07	Comp
1/17/84	SAMPLE MEASUREMENT					—					
	PERMIT REQUIREMENT										
1/24/84	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 USC § 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)*

VIOLATIONS

SD 30	pH	6.0-9.0	5.7	14 DEC
SD 40	SS	50	50.4	↕
SD 40	O+G	15	54	14 DEC
SD 57	SS	50	70.8	20 DEC
SD 63	SS	50	96.0	21 DEC
SD 62	SS	50	57.0	29 DEC
SD 42	SS	50	119.6	27 ~~JAN~~ FEB
SD 63	O+G	15	59	29 FEB
SD 63	pH	6.0-9.0	5.7	29 FEB
SD 64	pH	6.0-9.0	5.8	↕
SD 80	SS	50	233	↕
SD 80	O+G	15	680	29 FEB

DATE: 16 MARCH 1984

FROM: SUPVY CHEMIST, WQCL, ENVIRONMENTAL BRANCH

TO: SUPVY ECOLOGIST, ENVIRONMENTAL BRANCH

SUBJ: HADNOT POINT SEWAGE PLANT'S NPDES PERMIT VIOLATION

1. HADNOT POINT DID NOT MEET THE MINIMUM 85% REMOVAL FOR BIOCHEMICAL OXYGEN ~~DEMAND~~ IN FEBRUARY 1984. THE EFFLUENT SAMPLE FOR BOD IS TAKEN BEFORE THE CHLORINE CONTACT CHAMBER SINCE CHLORINE CAN EFFECT THE BOD READING. THEREFORE INSUFFICIENT CONTACT TIME IN THE CHLORINE CONTACT CHAMBER ~~DOES~~ WOULD NOT BE SHOWN IN THE BOD RESULTS.

2. UTILITIES EXPLANATION OF HADNOT POINT'S VIOLATION DID NOT MAKE SENSE TO ME. THEREFORE I CALLED MACK DAVIS AND INQUIRED ABOUT HADNOT POINT ON 14 MARCH 1984. DURING THE PHONE CONVERSATION IT WAS LEARNED THAT A SLUDGE PUMP, ONE OF TWO, HAD ALSO BEEN INOPERATIVE. IT WAS LEARNED THAT THE PUMP STARTED MALFUNCTIONING ~~AT~~ AROUND 21 FEBRUARY, WHEN A TICKET WAS WRITTEN TO PULL THE PUMP. IT WAS OUT UNTIL 6 MARCH 1984. ~~IN~~

3. WITHOUT ~~OUT~~ ~~BOTH~~ ~~R~~ ONE OF THE SLUDGE PUMPS THE SLUDGE WAS RETURNED AT A 50% REDUCED RATE. ~~THIS~~ ~~THE~~ ~~DATES~~ THE HADNOT POINT PLANT STARTED EXPERIENCING ~~EL~~ AN ELEVATED BOD EFFLUENT ON 19 FEBRUARY 1984. THIS CORRESPONDS TO THE ~~DAT~~ PUMP MALFUNCTION SO PERHAPS THE DOWN SLUDGE PUMP IS A BETTER EXPLANATION THAN ~~THE~~ CONTRACTOR INTERFERENCE WITH THE CONSTRUCTION OF THE NEW CONTACT CHAMBER.

E.B.B.

LAb Copy

MAIN/WRP/shk
11345.4
10 February 1984

From: Utilities Systems General Foreman
To: Director, Utilities Branch

Subj: NPDES Permit Violation, BB-207

1. The Courthouse Bay Wastewater Treatment Plant violated the parameters for per cent removal of BOD and SS for the month of January 1984, parameter being 85% removal. Removal affected for January was 81.9% BOD and 82.2% for SS.

2. Shock loads of unidentified chemicals from oil/water separators flooded the trickling filter killing large sections of the zoogleal mass. When this happens the plant cannot meet the requirement for 85% removal.

3. The newly constructed raw sewage basin will be completed within one week. When this is put into operation, it should allow sufficient detention time and eliminate shock loading.

W. R. PRICE

MAIN/DLS/shk
11345.4
10 February 1984

FIRST ENDORSEMENT on Utilities Systems General Foreman ltr MAIN/WRP/shk 11345.4 of 10 February 1984

From: Base Maintenance Officer
To: Director, Natural Resources and Environmental Affairs

Subj: NPDES Permit Violation, BB-207

1. Forwarded for appropriate action.

D. L. SOUTHERLAND
By direction

Recommend informal discussion with Col. Lilley.

Julian for info

Bob alexander should be working with PWO/utilities to ensure proposed upgrade addresses this continuing problem. DDS

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

DEPARTMENT OF THE NAVY

Memorandum

DATE: 9 February 1984

FROM: Supervisory Chemist, Water Quality Control Labm Envir Br, NREAD

TO: Wastewater Foreman, Water & Wastewater, Util Br, BMaintD

SUBJ: Courthouse Bay Wastewater Treatment Plant

ENCL: (1) Courthouse Bay Wastewater Treatment Plant Corrected Monthly Report for January 1984

1. After reviewing the sample labels for January 1984, it was learned that sampling errors occurred on 31 January 1984 at Hadnot Point and Courthouse Bay. The #2 and #3 at Hadnot Point and #1, #2 and #3 at Courthouse Bay composite samples for 31 January 1984 are invalid, therefore the BOD and Suspended Solids results for 31 January 1984 at Hadnot Point and Courthouse Bay are to be discarded. This changes the NPDES violations at Courthouse Bay. Below are the corrected NPDES violations:

Date	Parameter	Limit	Value
Jan	Monthly BOD % Removal	85%	81.9
Jan	Monthly SS % Removal	85%	82.2

Enclosure (1) is the corrected monthly report.

Elizabeth A. Betz
Supervisory Chemist

cc-Supvy Ecologist

OK DDS

DATE: 9 FEBRUARY 1984

FROM: SUPVY CHEM, WATER QUALITY CONTROL LAB, ENVIR BR, NREAD

TO: SUPVY ECOLOGIST, ENVIR BR, NREAD

SUBJ: COURTHOUSE BAY WASTEWATER TREATMENT PLANT

ENCL: (1) CHBWWTP MONTHLY REPORT FOR JANUARY 1984.

1. AFTER CHECKING THE SAMPLE LABELS FOR JANUARY 1984, IT WAS DISCOVERED THAT THE 31 JANUARY 1984 CHB COMPOSITE SAMPLES WERE TAKEN INCORRECTLY, THEREFORE THE ~~RESULTS OF THE~~ BOD + SS RESULTS FOR 31 JANUARY 1984 @ CHB HAVE TO BE DISCARDED. DISCARDING THE 31 JANUARY 1984 SAMPLE CHANGES THE VIOLATIONS @ CHB. BELOW ARE THE NEW NPDES VIOLATIONS:

BOD % REMOVAL MONTHLY AVERAGE	81.9
SS % REMOVAL MONTHLY AVERAGE	82.2.

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

PLANT: COURTHOUSE BAY

MONTH: JANUARY 1984

DATE	PLANT EFFLUENT DATA: FLOW TOTAL DAILY GPD	PH	CHLORINE RESIDUAL PLANT mg/1	CHLORINE RESIDUAL LAB mg/1	5 DAY 20° C. BOD RAW mg/1	5 DAY 20° C. BOD EFFLUENT mg/1	5 DAY 20° C. BOD PERCENT REMOVAL	SUSPENDED SOLIDS RAW mg/1	SUSPENDED SOLIDS EFFLUENT mg/1	SUSPENDED SOLIDS PERCENT REMOVAL	COLIFORM NUMBER PER 100 ml	COLIFORM GEOMETRIC MEAN
1	311 200	6.9	4.0									
2	331 250	6.8	4.1									
3	341450	6.9	4.2		50	5	88	43	3	93	26	
4	342100	6.8	4.5									
5	359750	6.8	4.4		310	21	93	38	5	87	10	
6	328850	6.7	4.3									
7	308050	7.0	4.2									
8	306950	6.9	4.3									
9	404780	6.8	4.2									
10	406270	6.8	4.4		117	18	85	46	7	85	8	
11	355870	6.7	5.8									
12	357630	6.6	5.7		110	11	90	44	10	77	0	
13	340550	6.6	4.9									
14	299100	6.6	4.1									
15	242510	6.8	4.2									
16	350140	6.8	4.3									
17	329750	6.6	4.0		75	13	83	112	15	87	220	
18	324950	6.8	4.1									
19	391800	6.9	3.5		165	72	56	130	28	78	0	
20	293500	6.8	4.3									
21	327650	6.7	4.7									
22	342350	6.5	4.4									
23	326250	6.7	5.3									
24	361350	6.8	4.7		64	16	75	103	21	82	12	
25	348500	6.8	4.5									
26	358500	6.8	3.9		264	50	81	69	16	77	0	
27	378150	7.0	5.1									
28	330450	6.8	4.5									
29	300400	7.0	4.6									
30	332850	NR	5.3									
31	345980	NR	5.5		— SAMPLE		ERROR		—	—	0	
Tot.	10477380		140		1155	206	651/81.4	585	105	666/83.2		
Ave.	337880		4.5		144	26	81.9	73	13	82.2	5.61	