

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System permit number NC0003239, discharge monitoring reports for the period September, October, and November 1981 are submitted.

The reason for the delay in reporting the quarterly report was do th an error in transposing the data on the effluent from the Courthouse Bay Wastewater Treatment Plant (SS06). The corrections have been made on the discharge monitoring report. Mr. Danny Sharpe, of this activity, discussed this with Mr. Holloway on 7 January 1982.

Examination of the discharge monitoring report will show the Hadnot Point Wastewater Treatment Plant (SS04) lacking one biochemical oxygen demand effluent and percent removal sample for the month of November. This was do to chlorine in the biochemical oxygen demand samples twice during November. The laboratory usually receives unchlorinated effluent samples for biochemical oxygen demand analysis, however, occasionally there occurs sampling error that results in the laboratory receiving chlorinated samples. The laboratory is not set up for seeding as would be required to run chlorinated biochemical oxygen demand samples.

There were no values reported for the third quarter *of 1981* monitoring of 1981 for Storm Drains 22,24, 25, 27, 37-41, 43, 60, 65, 73, 76, 77, 80, 84, and 85 because each time there drains were checked during the quarter they were either dry or not flowing.

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

In accordance with requirements of National Research Council  
Report No. 100 (1957), which is monitoring report for the year  
1957-58, the following data are submitted:

As seen from the data in reporting the quality of the water in  
the area of the station from the station for the year 1957-58  
(1957-58). The data have been taken on the station monitoring report  
in many cases of this station, which is attached to the station on January  
1958.

Examination of the water monitoring report will show the station water  
at the station (1957-58) which is one of the most important and  
important factors for the water of the station. This was also indicated in the  
biological oxygen demand (BOD) during the station water.  
The station water monitoring report for the station water analysis  
showed that there were some errors in the station water analysis  
during the station water. The station water analysis for the station water  
is reported to be an important factor of the station water analysis.

There were no changes in the station water analysis in 1957-58  
The station water analysis for the station water analysis in 1957-58  
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Oily waste discharge violations are directly related to runoff from areas with wash racks, grease racks, and maintenance areas. The major contributing factors to the presence of oily waste discharge in storm drains is due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds.

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

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

City waste discharge violations are directly related to traffic volume and

weather. Heavy rain, and wind-blown debris, are the major contributing factors

to the problem of city waste discharge. In order to reduce the amount of

discharge, the city has installed a number of advanced solid waste

management facilities. The city is also studying the possibility of

the use of a more advanced solid waste management system.

As a result of the study, the city has decided to install a

new solid waste management system. The new system will consist of

the installation of a new solid waste management system.

The new system will consist of the following:

For further information, please contact the city engineer, Mr. John

W. Smith, at the city office, (919) 435-3001.

(3)

DATE: 6 OCTOBER 1981

From: Ms BETZ

To: Mr. SHARPE

SUBJ: STORM DRAIN VIOLATION FOR SEPTEMBER 1981

1. STORM DRAINS 35, 63, 64, AND 88 WERE COLLECTED THIS MONTH.

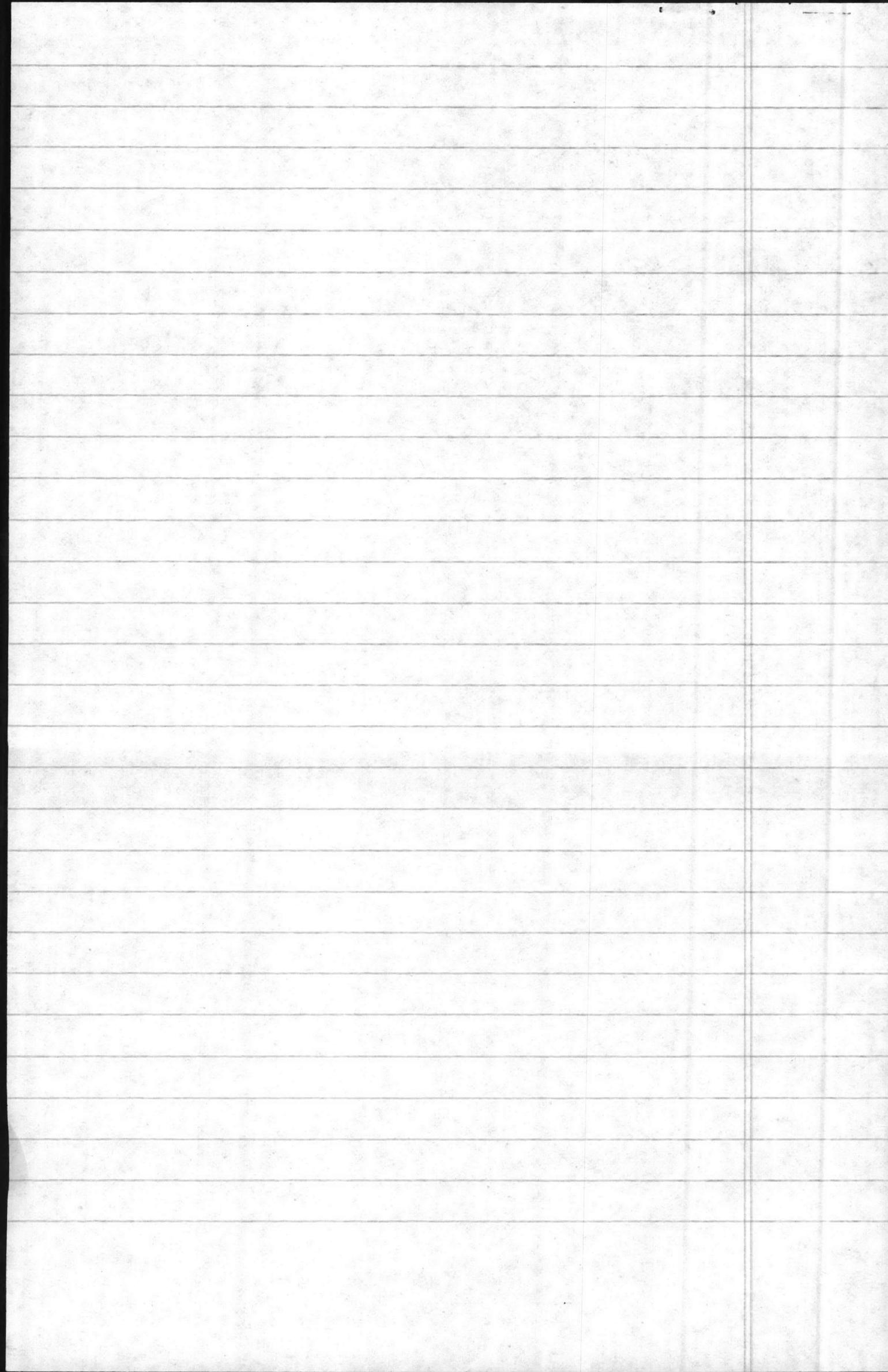
THERE WERE NO VIOLATIONS. STORM DRAINS 22, 24, 25, 27, 31, - 41, 43,

60, 65, 73, 76, 77, 80, + 84 WERE CHECKED AND FOUND TO BE DRY OR

NOT FLOWING.

ELIZABETH A. BETZ

SUPERVISORY CHEMIST



DEPARTMENT OF THE NAVY

# Memorandum

DATE: 1 December 1981

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

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

SUBJ: Storm Drain Collection in October and November 1981

1. Storm Drains 20-28, 30-33, 47, 49, 63, 64, 66, 68, 71, 72, and 81-88 were checked in October 1981. Below are a list of violations and a list of dry drains.

### List of Violations

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
23	Montford Pt/ <del>Montford</del> Landing Rd by Water	SS	50 mg/l	114.0	14 Oct	pH 0 SS 5 OG 2
47	Hadnot Pt/Supply & Indust. Area	SS	50 mg/l	54	22 Oct	pH 15 SS 4 OG 88
		O&G	15 mg/l	106.8		
		pH	6.0-9.0	9.8		
81	Air Station/Canal btw 5001 & 5009	pH	6.0-9.0	5.7	29 Oct	pH 3 SS 1 OG 1

### List of Dry Drains

SD	Last Date Collected
21	9 July 1981
22	13 January 1981*
24	13 January 1981 *
25	13 January 1981*, Flunked SS 123 mg/l
66	16 April 1981*
83	6 August 1981
<del>84</del> 84	22 April 1981*, Flunked SS 102.0 mg/l, Not Flowing Reported flow 10 gal/day
88	22 April 1981*, No flow reported

2. Storm Drain 23 was one of the drains we have already eliminated. However, when Jerry checked it on 14 October 1981 it had flow. He thought they had just washed alot of vehicles on the wash pad. I sent you a memo concerning it on 28 October 1981.

3. Storm Drain 85 was one of the drains we eliminated because the point source had been removed. However, on 29 October 1981, when Jerry checked it, there was water in a ditch and the site had become a Hazardous Waste Storage Area. He collected a sample even though there was no flow. There were no violations in the sample. In keeping with the rest of our data the sample should be thrown away and SD 85 should be reported as no flow. All the dry drains in October, including SD 85, were rechecked on 30 November 1981 and found to still be dry.

4. Storm Drains 34-42, 62, 73-80, ~~89~~ and 90 were checked in November 1981. Below are the list of violations and the list of dry drains.

1 December 1981

Ms. Betz, Quality Control Lab., Environmental Section, WREAB, BMA/EDIV

Mr. Sharpe, Supervisory Ecologist, Environmental Section, WREAB, BMA/EDIV

Storm Drain Collection in October and November 1981

1. Storm Drains 20-28, 30-33, 41, 49, 53, 54, 55, 58, 61, 75, and 81-88 were checked in October 1981. Below are a list of violations and a list of dry drains.

SD	Map/Location	Parameter	Limit	Value	Date	History-Finns
23	Monterford Rd by Water Landing Rd	SS	50 mg/l	11A.0	14 Oct	PH 0 SS 5 OG 2
47	Hahn Rd by Hwy 2 Indust. Area	SS	50 mg/l	58	22 Oct	PH 13 SS 4 OG 88
		OG	15 mg/l	106.8		
		PH	6.0-9.0	9.0		
81	Air Section Canal b/w 5001 & 5009	PH	6.0-9.0	5.7	19 Oct	PH 3 SS 1 OC 1

List of Dry Drains

SD	Last Date Collected
21	9 July 1981
22	13 January 1981*
24	13 January 1981*
25	13 January 1981* Finns 88 123 mg/l
66	16 April 1981*
83	6 August 1981
84	22 April 1981* Finns 82 102.0 mg/l, Not Flowing
85	22 April 1981* No flow reported

Reported flow 10 gal/day

22 April 1981\* No flow reported

2. Storm Drain 23 was one of the drains we have already eliminated. However, when Jerry checked it on 14 October 1981 it had flow. He thought they had just washed also of vehicles on the wash pad. I sent you a memo concerning it on 28 October 1981.

3. Storm Drain 85 was one of the drains we eliminated because the point source had been removed. However, on 29 October 1981, when Jerry checked it, there was water in a ditch and the site had become a Hazardous Waste Storage Area. He collected a sample even though there was no flow. There were no violations in the sample. In keeping with the rest of our data the sample should be thrown away and SD 85 should be rechecked as no flow. All the dry drains in October, including SD 85, were rechecked on 30 November 1981 and found to still be dry.

4. Storm Drains 34-42, 52, 73-80, 84 and 90 were checked in November 1981. Below are the list of violations and the list of dry drains.

**List of Violations**

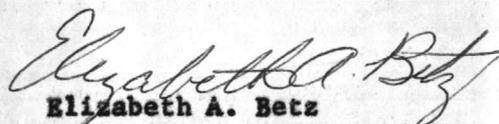
SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
42	Hadnot Pt/Behind MC Exchange	SS	50 mg/1	528	18 Nov	pH 8 SS 9 OG 1
		pH	6.0-9.0	9.4		
75	Courthouse Bay/ Amtrac Area	SS	50 mg/1	211.4	23 Nov	pH 0 SS 5 OG 6
		OG	15 mg/1	25.8		
78	Onslow Beach/ Behind Water Plant	SS	50 mg/1	70.8	23 Nov	pH 0 SS 3 OG 0

**List of Dry Drains**

SD	Last Date Collected
34	28 August 1981
35	29 September 1981
37	5 & 17 February 1981*
38	5 & 17 February 1981*, No flow reported
39	5 & 17 February 1981*
62	27 July 1981
73	27 April 1981*, Flunked SS 109 mg/1
76	27 April 1981*, No flow reported
77	27 April 1981*, Flunked pH 10.7
79	13 August 1981
80	11 December 1980*, No flow reported
89	18 March 1981*, No flow reported

5. Storm Drain 73 has disappeared. The drain has been grated away. The make-shift separator has been leveled.

\* These collections were done by Andy Luke

  
 Elizabeth A. Betz  
 Supervisory Chemist

ID	Way/Location	Parameter	Units	Value	Date	History-Flows
28	Behind Water Plant	SS	mg/l	78.9	23 Nov 81	PH 9 SS 3 OC 0
78	Onslow Beach	OC	mg/l	24.8	23 Nov 81	PH 0 SS 2 OC 0
42	Behind Pt/Berling MC Exchange	PH	mg/l	8.4	18 Nov 81	PH 8 SS 0 OC 1

List of Dry Drains

ID	Last Date Collected
82	18 August 1981
83	19 September 1981
37	5 & 17 February 1981*
38	5 & 17 February 1981*, No flow reported
39	5 & 17 February 1981*
62	27 July 1981
73	27 April 1981*, Tanked SS 109 mg/l
76	27 April 1981*, No flow reported
77	27 April 1981*, Tanked pH 10.7
79	13 August 1981
80	11 December 1980*, No flow reported
89	18 March 1981*, No flow reported

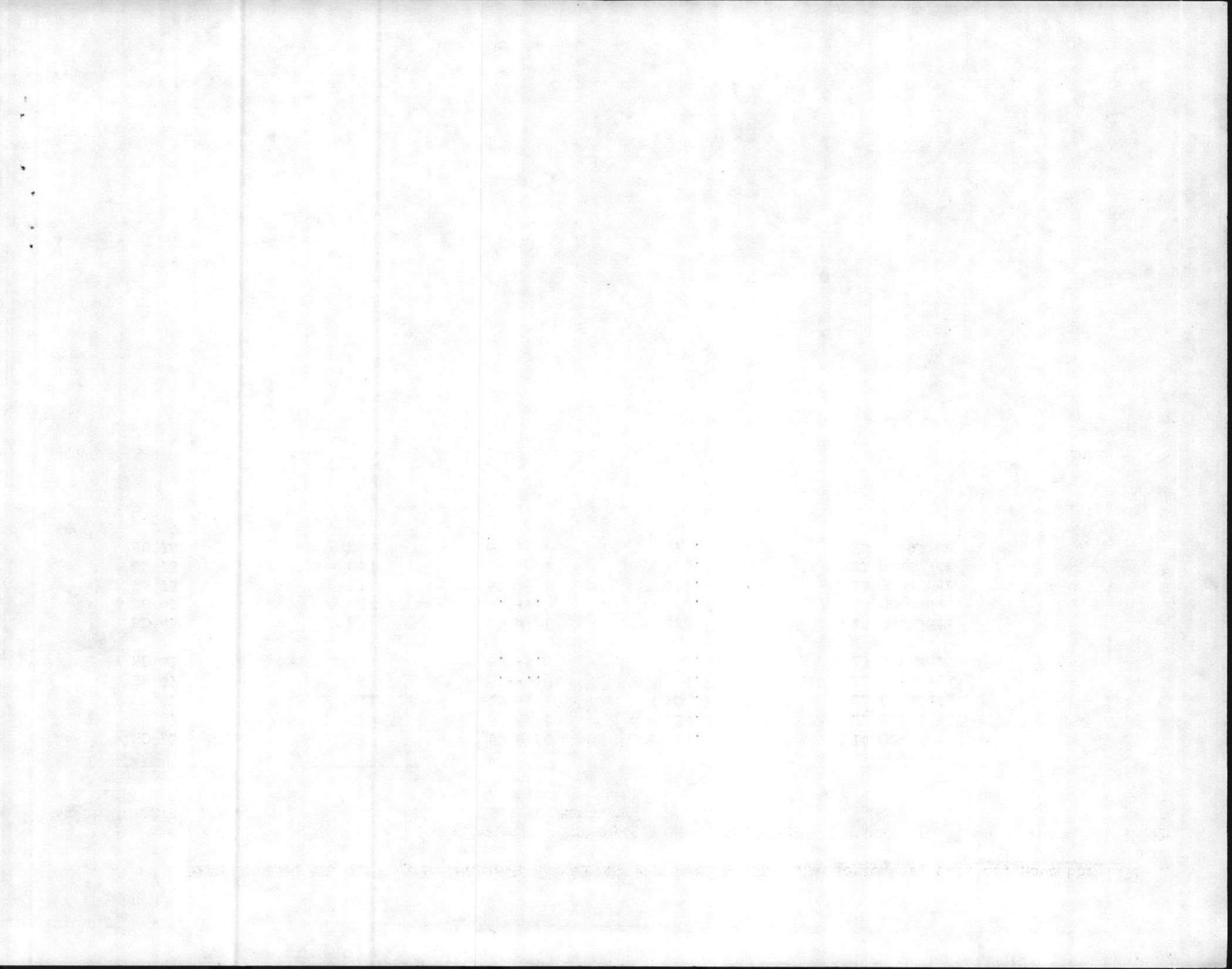
2. Storm Drain 73 has disappeared. The drain has been grated away. The make-shift separator has been leveled.

\* These collections were done by Andy Luke

Elizabeth A. Bora  
 Supervisory Chemist

NPDES PERMIT NO. NCO003239 DISCHARGE VIOLATIONS FOR THE PERIOD September, October, November 1981

<u>Monitoring Sta. or Storm Drain Number</u>	<u>Parameter</u>	<u>Parameter Limits</u>	<u>Value</u>	<u>Date</u>
SD 23	SS	50 mg/l	114.0	14 October
SD 47	SS	50 mg/l	54.0	22 October
SD 47	O&G	15 mg/l	106.8	22 October
SD 47	pH	6.0-9.0	9.8	22 October
SD 81	pH	6.0-9.0	5.7	29 October
SD 42	SS	50 mg/l	528	18 November
SD 42	pH	6.0-9.0	9.4	18 November
SD 75	SS	50 mg/l	211.4	23 November
SD 75	O&G	15 mg/l	25.8	23 November
SD 78	SS	50 mg/l	70.8	23 November



NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD: September, October, November 1981

<u>Map</u>	<u>Location</u>	<u>ID Number</u>	<u>Effluent From</u>	<u>Parameter</u>	<u>Limits</u>	<u>Value</u>	<u>Date</u>	<u>Flunks</u>
Montford Point	Montford Landing Rd by water	SD 23	Wash Pad	SS	50 mg/1	114.0	14 Oct	pH 0 SS 5 OG 2
Hadnot Point	Supply & Indust. Area	SD 47	Steam Plant Grease & Wash Racks	SS O&G pH	50 mg/1 15 mg/1 6.0-9.0	54.0 106.8 9.8	22 Oct	pH 15 SS 4 OG 8
Air Station	Canal between 5001 & 5009	SD 81	Water Plant Wash & Grease Racks, Fuel Farm	pH	6.0-9.0	5.7	29 Oct	pH 3 SS 1 OG 1
Hadnot Point	Behind MC Exchange	SD 42	Grease Racks Coal Pile	SS pH	50 mg/1 6.0-9.0	528 9.4	18 Nov	pH 8 SS 9 OG 1
Courthouse Bay	Amtrac Area	SD 75	Grease & Wash Racks	SS O&G	50 mg/1 15 mg/1	211.4 25.8	23 Nov	pH 0 SS 5 OG 6
Onslow Beach	Behind Water Plant	SD 78	Water Plant	SS	50 mg/1	70.8	23 Nov	pH 0 SS 3 OG 0

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Facility Name/Location if different)   
 NAME COMMANDING GENERAL   
 ADDRESS MARINE CORPS BASE   
CAMP LEJEUNE NC 28542   
 FACILITY UIC 67001   
 LOCATION LANTDIV

(2-16)   
 NC0003239   
 PERMIT NUMBER

(17-19)   
 006   
 DISCHARGE NUMBER

8806   
 STP NO. 6 (COURTHOUSE BAY) - EFF   
 RW06 IS THE UPST   
 RECEIVING WATER STATION   
 THE DOWNSTREAM RECEIVING WATER   
 NOTE: Read instructions before completing this form.

MONITORING PERIOD

YEAR	MO	DAY	YEAR	MO	DAY
81	11	01	81	11	30
(10-31)	(12-31)	(14-31)	(16-31)	(18-31)	(19-31)

FROM TO

PARAMETER (32-37)	X	(3 Card Only) QUANTITY OR LOADING (46-53)			(4 Card Only) QUALITY OR CONCENTRATION (54-61)				NO. EX (62-63)	FREQUENCY OF ANALYSIS (64-68)
		AVERAGE (46-53)	MAXIMUM (54-61)	UNITS	MINIMUM (54-55)	AVERAGE (56-57)	MAXIMUM (58-59)	UNITS (60-61)		
00056 FLOWRATE		382207.3	*****	GPD	*****	*****	*****		030/30	
NOV		525000.0	*****		*****	*****	*****		030/30	
00310 BIOCHEMICAL OXYGEN DEMAND		20.7635	24 216	LB/DAY	*****	13.8750	16 68-	MG/L	008/1	
NOV		91.3330	*****		*****	28.1250	*****		004/30	
00310 BIOCHEMICAL OXYGEN DEMAND		*****	*****		*****	30.0000	*****	PER CENT	004/30	
NOV		*****	*****		*****	35.0000	*****		004/30	
00403 PH LABORATORY		*****	*****		6.8000	*****	7.0000		030/30	
NOV		*****	*****		6.0000	*****	9.0000		004/30	
00530 TOTAL SUSPENDED SOLIDS		6.5	11 194	LB/DAY	*****	4.25	826	MG/L	008/30	
NOV		58.7146	*****		*****	18.5000	*****		004/30	
00530 TOTAL SUSPENDED SOLIDS		*****	*****		*****	30.0000	*****	PER CENT	004/30	
NOV		*****	*****		*****	35.0000	*****		004/30	
00680 TOTAL ORGANIC CARBON		*****	*****		0	0	0	MG/L	000/30	
NO SAMPLE		*****	*****		NOT QUANTIFIED	NOT QUANTIFIED	NOT QUANTIFIED		000/30	

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 YEAR MO

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

PLZ MAIL TO:

MCB CAMP LEJEUNE  
ENVIRONMENTAL AFFAIRS  
DIVISION, BASE MAINTENANCE

09

Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System permit number NC0003239, discharge monitoring reports for the period June, July, and August 1981 are submitted .

There were no values reported for the second quarter monitoring for Storm Drains 22, 24, 25, 31, 34, 37-40, 50, 52, 53, 56, 60, 62, 65, and 89 because each time these drains were checked during the second quarter the drains were either dry or not flowing, Storm Drains 71, 74 and 80 have no value for the second quarter because there was no flow in the drains at the times they were checked due to construction of the Industrial Waste Collection and Facilities (P996) Pollution Projects.

Construction related to P996 also had Storm Drains 66 blocked off when it was checked, on 9 July 1981, for the third quarter monitoring. On 6 August 1981, when Storm Drain 85 was checked it was discovered that the point source, the Auto Hobby Shop, and the drain had been removed. Therefore, Storm Drain 85 should be eliminated.

The Storm drain violations depicted by the enclosed table may be correlated with base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided to your agency. Oily waste discharge violations are directly related to runoff from areas with wash racks, grease racks, and maintenance areas. The major contributing factors to the presence of oily waste discharge ~~factors~~ in storm drains is due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds.

Page 1

In accordance with requirements of National Pollution Discharge Elimination System (NPDES) permit number 100022119, discharge of pollutants to the receiving water body is prohibited.

There were no discharges reported during the period from 10/1/88 to 10/31/88. The only discharge reported during the period from 11/1/88 to 11/30/88 was a discharge of 100 gallons of oil to the receiving water body on 11/15/88. This discharge was caused by a spill from a storage tank. The spill was contained and cleaned up immediately. No other discharges were reported during the period from 12/1/88 to 12/31/88.

Page 2

Construction related to the permit is also being completed. The permit requires that the discharge structure be constructed in accordance with the permit conditions. The structure is currently under construction and is expected to be completed by the end of the year. The permit also requires that the discharge structure be equipped with a flow meter to monitor the discharge rate. This flow meter is also currently under construction.

The permit also requires that the discharge structure be equipped with a flow meter to monitor the discharge rate. This flow meter is also currently under construction. The permit also requires that the discharge structure be equipped with a flow meter to monitor the discharge rate. This flow meter is also currently under construction. The permit also requires that the discharge structure be equipped with a flow meter to monitor the discharge rate. This flow meter is also currently under construction.

The base environmental staff is continuing to work on operational control methodology to reduce suspended solids discharges. An A & E firm has designed facilities to abate miscellaneous pollution discharges. The construction contract has been awarded and the estimated date of construction completion for full treatment of miscellaneous pollution sources is 1982.

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

The base environmental state is continuing to work on overall environmental

to be a better organized state and better. And it has been a long time

to have the same old situation. The situation has been

changed and it is a matter of time before the full recovery of

local environmental sources is 1983.

For further information on any of the above, you may contact the

Western Regional Resources and Environmental Affairs Branch, 1500

Division, Washington (202) 251-2000/2001.

DEPARTMENT OF THE NAVY

# Memorandum

DATE: 6 July 1981

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

TO Mr. Sharpe, Supvy. Ecologist, Environmental Branch, NREAD, BMaintDept

SUBJ Storm Drain Violations for June 1981

1. Storm Drains 39-49, 52-56, & 62 were collected this month and there was only one violation, at SD 47 (Supply & Industrial Area, Louis Road).

	Parameter	Limits	Value	Date	History
SD 47	pH	6.0-9.0	10.2	29 June	pH 12, SS 3, O&G 7

Of the above drains, the following were either dry or not flowing:

	Date
SD 39	6 June
SD 40	4 June
SD 52	4 June
SD 53	4 June
SD 56	22 June
SD 62	22 June

2. Also, below are the list of the drains, that were dry during the two previous months, and the dates they were rechecked this month.

	Date
SD 22	29 June
SD 24	29 June
SD 25	29 June
SD 31	22 June
SD 34	22 June
SD 37	22 June
SD 38	22 June
SD 50	22 June
SD 60	22 June
SD 65	22 June
SD 89	22 June

*Elizabeth A. Betz*  
Elizabeth A. Betz  
Supervisory Chemist

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DEPARTMENT OF THE NAVY

# Memorandum

DATE: 6 August 1981

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

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

SUBJ Storm Drain Violations for July 1981

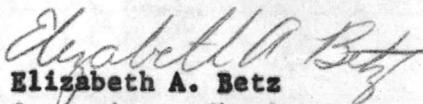
1. Storm Drains 20-49, 51-55, 59-62, 66, 89, & 90 were collected this month and the following violations occurred:

	Map/Location	Parameter	Limits	Value	Date	History-Flunks
SD 27	Tarawa Terr II by Northeast Cr.	pH	6.0-9.0	10.8	9 Jul	pH 1 SS 0 O&G 2
SD 32	Midway Pk, Wallace Cr. & Holcomb Blvd.	O&G	15 mg/l	21.2	20 Jul	pH 0 SS 0 O&G 2
SD 42	Hadnot Pt-Behind Exchange	SS	50 mg/l	8571	27 Jul	pH 7 SS 8 O&G 1
		pH	6.0-9.0	4.6		
		O&G	15 mg/l	Lab Accident		
SD 47	Hadnot Pt-Supply & Indust. Area	pH	6.0-9.0	10.3	27 Jul	pH 14 SS 3 O&G 7

Of the Drains collected this month the following were dry or not flowing:

22	28	38	48	53
24	34	39	44	60
25	35	40	46	89
26	37	41	52	

2. Storm Drain 29 could not be found on 9 July 1981. On 28 July 1981, myself and Gaines Huneycutt searched the area and could not find a drain reaching the water from the point sources. Therefore, I suggest we eliminate it.

  
Elizabeth A. Betz  
Supervisory Chemist

6 August 1931

Mr. Beck, Quality Control Lab., Environmental Section, HERRAS, Birmingham

Mr. Sharp, Supervisory Biologist, Environmental Section, HERRAS, Birmingham

Stream Water Violations for July, 1931

1. Stream Data 20-49, 21-55, 22-61, 23-67, 24-73, 25-79, 26-85, 27-91, 28-97, 29-103, 30-109, 31-115, 32-121, 33-127, 34-133, 35-139, 36-145, 37-151, 38-157, 39-163, 40-169, 41-175, 42-181, 43-187, 44-193, 45-199, 46-205, 47-211, 48-217, 49-223, 50-229, 51-235, 52-241, 53-247, 54-253, 55-259, 56-265, 57-271, 58-277, 59-283, 60-289, 61-295, 62-301, 63-307, 64-313, 65-319, 66-325, 67-331, 68-337, 69-343, 70-349, 71-355, 72-361, 73-367, 74-373, 75-379, 76-385, 77-391, 78-397, 79-403, 80-409, 81-415, 82-421, 83-427, 84-433, 85-439, 86-445, 87-451, 88-457, 89-463, 90-469, 91-475, 92-481, 93-487, 94-493, 95-499, 96-505, 97-511, 98-517, 99-523, 100-529, 101-535, 102-541, 103-547, 104-553, 105-559, 106-565, 107-571, 108-577, 109-583, 110-589, 111-595, 112-601, 113-607, 114-613, 115-619, 116-625, 117-631, 118-637, 119-643, 120-649, 121-655, 122-661, 123-667, 124-673, 125-679, 126-685, 127-691, 128-697, 129-703, 130-709, 131-715, 132-721, 133-727, 134-733, 135-739, 136-745, 137-751, 138-757, 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1221-7255, 1222-7261, 1223-7267, 1224-7273, 1225-7279, 1226-7285, 1227-7291, 1228-7297, 1229-7303, 1230-7309, 1231-7315, 1232-7321, 1233-7327, 1234-7333, 1235-7339, 1236-7345, 1

DEPARTMENT OF THE NAVY

# Memorandum

DATE: 8 September 1981

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

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

SUBJ Storm Drain Violations for August 1981

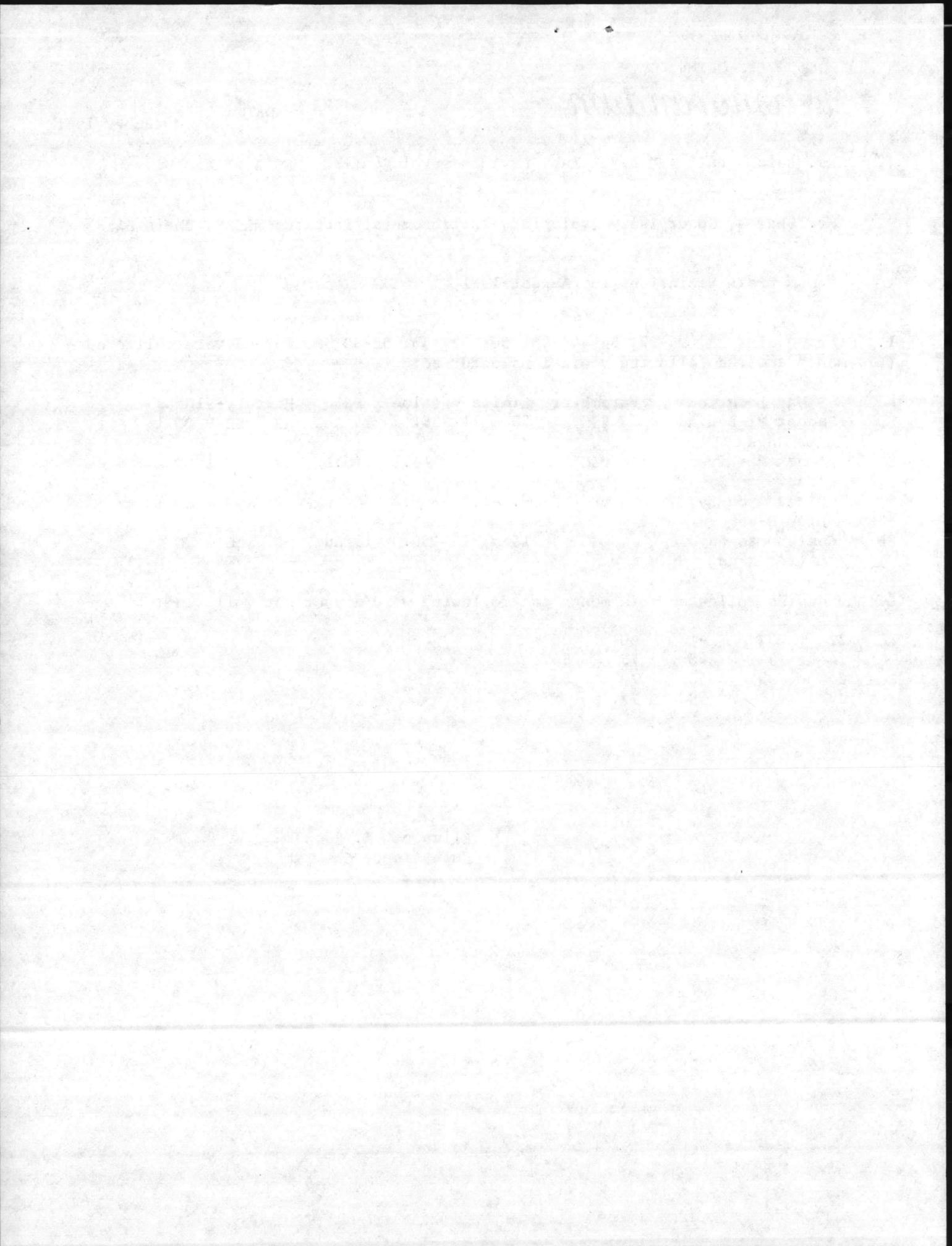
1. Storm Drains 22, 24-27, 34-44, 46, 50, 52, 53, 56-58, 60, 67-89 were collected this month and the following violations occurred:

SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
SD 42	Hadnot Pt-Behind Exchange	SS	50 mg/l	351	24 Aug	pH 7 SS 9 OG 1
SD 56	Hadnot Pt-River Road	O&G	15 mg/l	18.1	24 Aug	pH 0 SS 1 OG 2
SD 68	Geiger Area-By Bldg S-868	pH	6.0-9.0	9.2	6 Aug	pH 2 SS 0 OG 1
SD 75	Courthouse Bay Amtrac Area	O&G	15 mg/l	59.0	13 Aug	pH 0 SS 4 OG 4

Of the drains collected this month the following were dry or not following:

22	37	41	60	80
24	38	43	73	84
25	39	50	76	88
29	40	58	77	

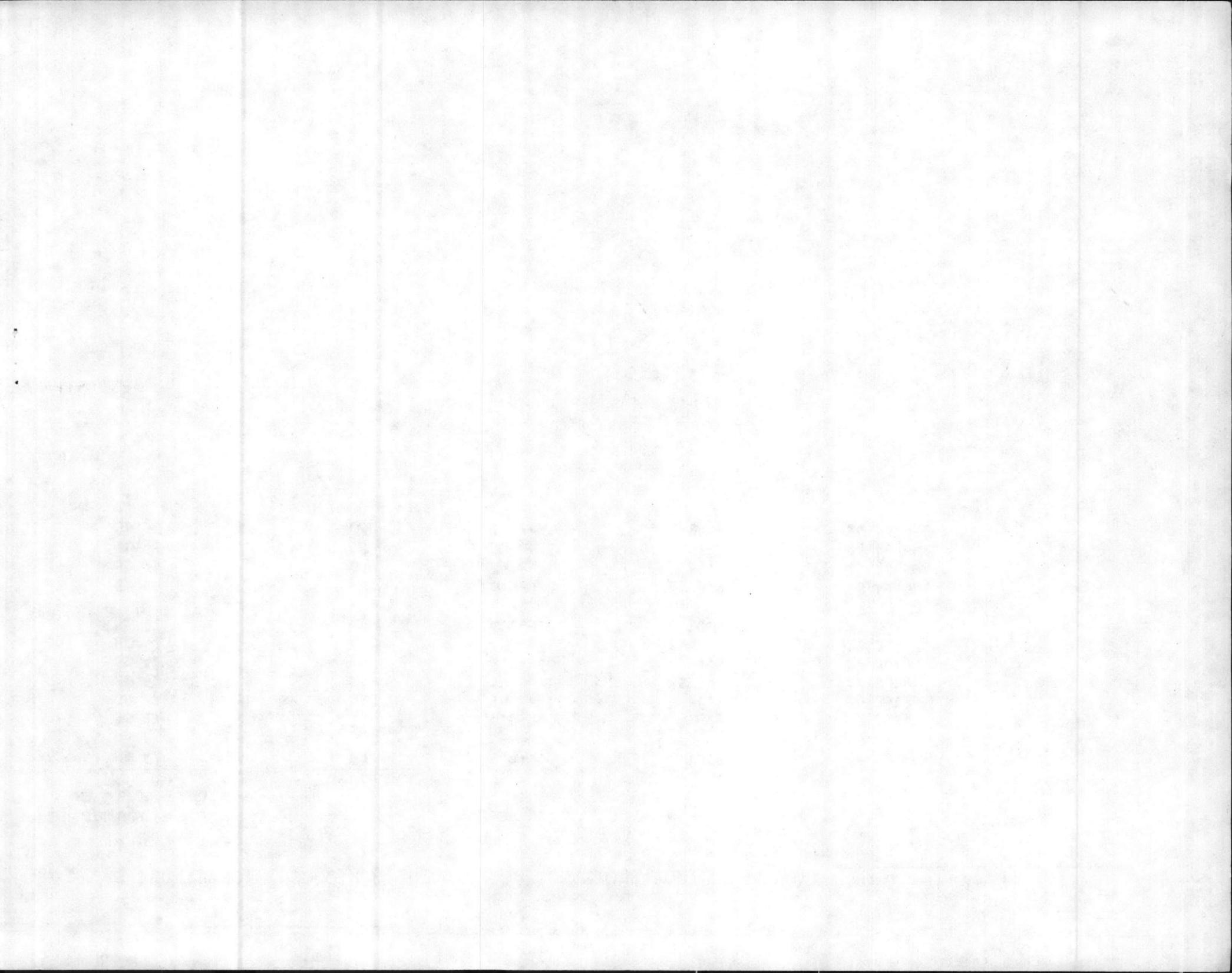
Elizabeth A. Betz  
Supervisory Chemist



## NPDES PERMIT NO. NCO003239 DISCHARGE VIOLATIONS FOR THE PERIOD

June, July, August 1981

<u>Monitoring Sta. or Storm Drain Number</u>	<u>Parameter</u>	<u>Parameter Limits</u>	<u>Value</u>	<u>Date</u>
SD 47	pH	6.0-9.0	10.2	29 June
SD 27	pH	6.0-9.0	10.8	9 July
SD 32	O&G	15 mg/l	21.2	20 July
SD 42	SS	50 mg/l	8571	27 July
SD 42	pH	6.0-9.0	4.6	27 July
SD 42	O&G	15 mg/l	Lab Accident	27 July
SD 47	pH	6.0-9.0	10.3	27 July
SD 68	pH	6.0-9.0	9.2	6 August
SD 75	O&G	15 mg/l	59.0	13 August
SD 42	SS	50 mg/l	351	24 August
SD 56	O&G	15 mg/l	18.1	24 August



NPDES PERMIT NO. NC0002339 DISCHARGE VIOLATIONS FOR HTE PERIOD: JUNE, JULY, AUGUST 1981

<u>MAP</u>	<u>LOCATION</u>	<u>ID NUMBER</u>	<u>EFFLUENT FROM</u>	<u>PARAMETER</u>	<u>LIMITS</u>	<u>VALUE</u>	<u>DATE</u>	<u>FLU</u>
Hadnot Point	Supply & Indust. Area Louis Road	SD 47	Steam Plant Grease & Wash Racks	pH	6.-9.0	10.2	29 June	SS OG pH
Tarawa Terrace	By Northeast Creek	SD 32	Gas Station Grease Racks	pH	6.0-9.0	10.8	9 Jul	SS OG pH
Midway Park	Wallace Creek & Holcomb Blvd	SD 32	Oil & Grease Storage	O&G	15 mg/1	21.2	20 Jul	SS OG pH
Hadnot Point	Behind MC Exchange	SD 42	Grease Racks Coal Pile	SS pH O&G	50 mg/1 6.-9.0 15 mg/1	8571 4.6 Lab Accident	27 Jul	SS OG pH
	Supply & Indust. Area Louis Road	SD 47	Steam Plant Grease & Wash Racks	pH	6.0-9.0	10.3	27 Jul	SS OG pH
Geiger Area	By Bldg S-868	SD 68	Grease & Wash Racks, Steam plant	pH	6.0-9.0	9.2	6 Aug	SS OG pH
Courthouse Bay	Amtrac Area	SD 75	Grease & Wash Racks	O&G	15 mg/1	59.0	13 Aug	SS OG pH
Hadnot Point	Behind MC Exchange	SD 42	Grease Racks Coal Pile	SS	50 mg/1	351	24 Aug	SS OG pH
	River Road	SD 56	Parking Lots	O&G	15 mg/1	18.1	24 Aug	SS OG pH

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DEPARTMENT OF THE NAVY

# Memorandum

DATE: 19 June 1981

FROM: Ms. Betz, Quality Control Lab., NREAD, BMaintDept

TO: Mr. Sharpe, Supvy. Ecologist, NREAD, BMaintDept

SUBJ: Cover Letter for the Quarterly Report

1 ENCL: (1) Ruff Draft of the Cover Letter  
(2) Short Table of Violations  
(3) Extended Table of Violations

1. Enclosure (1) is submitted for your consideration.
2. Enclosure (2) & (3) are submitted for you to chose between. Enclosure (3) lists all the samples checked and the dates they were checked and rechecked. The dry or blocked drains are not really violations because they are not dumping into the river. Its up to yourrif you what them listed or don't. It makes for a long list, which does not look good, but does show our work load. The letter addresses all the drains.

*Elizabeth A. Betz*  
Elizabeth A. Betz



Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System Permit Number NC0003239, discharge monitoring reports for the period March, April and May 1981 are submitted.

Storm Drain 23, at Camp Johnson, has been eliminated by construction of the Industrial Waste Collection and Facilities (P996) Pollution Project, that runs the storm drain's effluent into the Camp Johnson Sewage Treatment Plant.

Storm Drain 80, at Onslow Beach, should have been reported as no flow. The drain was sampled on 24 March 1981 for the first quarter monitoring and on 27 April 1981 for the second quarter monitoring. Both times the drain was dry due to construction related to P996, which blocked off the drain. Construction of P996 is also responsible for no values for Storm Drains 71 and 74, when these drains were checked on 27 May 1981 and 27 April 1981, respectfully.

DELETED

The extremely dry weather recently is the reason there are no values for Storm Drains 22, 24, 25, 31, 34, 37, 38, 50, 65 and 89, so far, for the second quarter of 1981. Storm Drains 22, 24 and 25 were checked on 16 April 1981 and, again, on 27 May 1981. Storm Drains 31, 34, 37, 38, 50 and 89 were checked on 18 May 1981 and Storm Drain 65 on 27 May 1981. All were found not to be flowing. They will be checked again in June.

The other storm drain violations depicted by the enclosed table may be correlated with Base Geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided to your agency. Oily waste discharge violations are directly related to runoff from areas with wash racks, grease racks, and maintenance areas. The major contributing factors to the presence of oily

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waste discharge in storm drains is due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds.

The Base environmental staff is continuing to work on operational control methodology to reduce suspended solids discharges. An A & E Firm has designed facilities (P996) to abate miscellaneous pollution discharges. The construction contract has been awarded and the construction has begun. The estimated Date of completion for full treatment of miscellaneous pollution sources is 1982.

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

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## NPDES PERMIT NO. N0003239 DISCHARGE VIOLATIONS FOR THE PERIOD

March. April. May 1981

<u>Monitoring Sta. or Storm Drain Number</u>	<u>Parameter</u>	<u>Parameter Limits</u>	<u>Value</u>	<u>Date</u>
SD 47	O&G	15 mg/1	179.4	4 Mar
SD 47	pH	6.0-9.0	11.2	4 Mar
SD 60	SS	50 mg/1	54	18 Mar
SD 73	SS	50 mg/1	990	24 Mar
SD 74	SS	50 mg/1	146	24 Mar
SD 74	O&G	15 mg/1	19.6	24 Mar
SD 75	SS	50 mg/1	1190	24 Mar
SD 75	O&G	15 mg/1	126.6	24 Mar
SD 77	pH	6.0-9.0	10.5	24 Mar
SD 79	pH	6.0-9.0	11.4	24 Mar
SD 28	<del>SS</del>	<del>50 mg/1</del>		16 April
SD 84	SS	50 mg/1	102.0	22 April
SD 73	SS	50 mg/1	109	27 Apr
SD 75	SS	50 mg/1	164	27 Apr
SD 75	O&G	15 mg/1	43.5	27 Apr
SD 77	pH	6.0-9.0	10.7	27 Apr
SD 79	pH	6.0-9.0	11.2	27 Apr
SD 33	SS	50 mg/1	96.0	18 May
SD 51	pH	6.0-9.0	4.3	18 May
SD 90	SS	50 mg/1	217.5	18 May
SD 58	SS	50 mg/1	62.0	28 May
SD 61	SS	50 mg/1	68.7	28 May

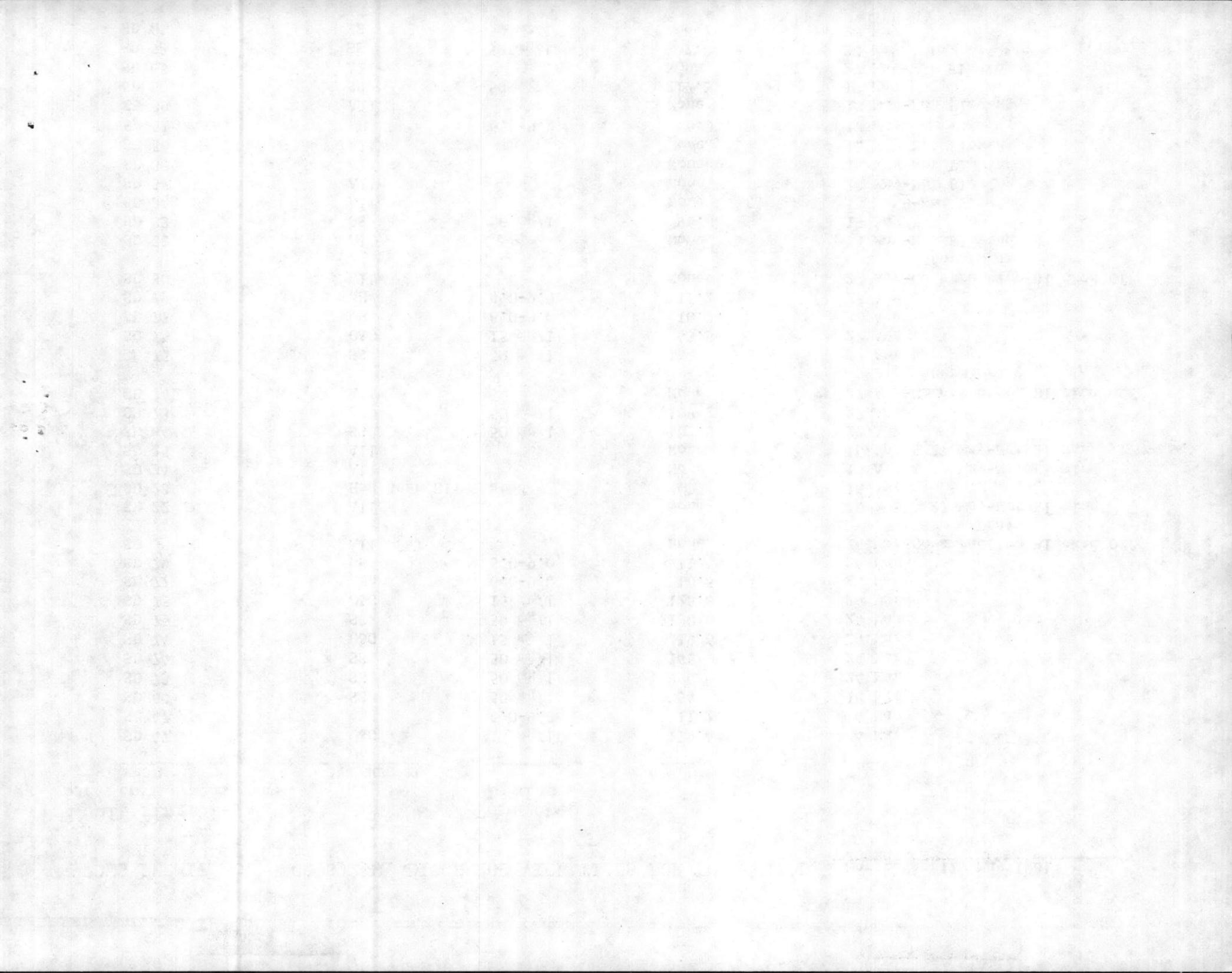


NPDES PERMIT NO. NCO003239 DISCHARGE VIOLATIONS FOR THE PERIOD

March, April, May 1981

<u>Monitoring Sta. or Storm Drain Number</u>	<u>Parameter</u>	<u>Parameter Limits</u>	<u>Value</u>	<u>Date</u>
SD 47	O&G	15 mg/l	179.4	4 Mar
SD 47	pH	6.0-9.0	11.2	4 Mar
SD 60	SS	50 mg/l	54	18 Mar
SD 73	SS	50 mg/l	990	24 Mar
SD 74	SS	50 mg/l	146	24 Mar
SD 74	O&G	15 mg/l	19.6	24 Mar
SD 75	SS	50 mg/l	1190	24 Mar
SD 75	O&G	15 mg/l	126.6	24 Mar
SD 77	pH	6.0-9.0	10.5	24 Mar
SD 79	pH	6.0-9.0	11.4	24 Mar
SD 80	All		None	24 Mar-Construction Blocked Off Storm Drain
SD 22	All		None	16 Apr & 27 May-Not Flowing
SD 23	Has Been Eliminated			16 Apr
SD 24	All		None	16 Apr & 27 May-Not Flowing
SD 25	All		None	16 Apr & 27 May-Not Flowing
SD 84	SS	50 mg/l	102.0	22 Apr
SD 73	SS	50 mg/l	109	27 Apr
SD 74	All		None	27 Apr-Construction Blocked Off Storm Drain
SD 75	SS	50 mg/l	164	27 Apr
SD 75	O&G	15 mg/l	43.5	27 Apr
SD 77	pH	6.0-9.0	10.7	27 Apr
SD 79	pH	6.0-9.0	11.2	27 Apr
SD 80	All		None	27 Apr-Construction Blocked Off Storm Drain
SD 31	All		None	18 May-Not Flowing
SD 33	SS	50 mg/l	96.0	18 May
SD 34	All		None	18 May-Not Flowing
SD 37	All		None	18 May-Not Flowing
SD 38	All		None	18 May-Not Flowing
SD 50	All		None	18 May-Not Flowing
SD 51	pH	6.0-9.0	4.3	18 May
SD 89	All		None	18 May-Not Flowing
SD 90	SS	50 mg/l	217.5	18 May
SD 65	All		None	27 May-Not Flowing
SD 58	SS	50 mg/l	62.0	28 May
SD 61	SS	50 mg/l	68.7	28 May

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NPDES PERMIT NO. NCOO03239 DISCHARGE VIOLATIONS FOR THE PERIOD

~~March, April, May 1981~~

Monitoring Sta. or Storm Drain Number	Parameter	Parameter Limits	Value	Date
SD 47	O&G	15 mg/l	179.4	4 Mar
SD 47	pH	6.0-9.0	11.2	4 Mar
SD 60	SS	50 mg/l	54	18 Mar
SD 73	SS	50 mg/l	990	24 Mar
SD 74	SS	50 mg/l	146	24 Mar
SD 74	O&G	15 mg/l	19.6	24 Mar
SD 75	SS	50 mg/l	1190	24 Mar
SD 75	O&G	15 mg/l	126.6	24 Mar
SD 77	pH	6.0-9.0	10.5	24 Mar
SD 79	pH	6.0-9.0	11.4	24 Mar
SD 84	SS	50 mg/l	102.0	22 Apr
SD 73	SS	50 mg/l	109	27 Apr
SD 75	SS	50 mg/l	164	27 Apr
SD 75	O&G	15 mg/l	43.5	27 Apr
SD 77	pH	6.0-9.0	10.7	27 Apr
SD 79	pH	6.0-9.0	11.2	27 Apr
SD 33	SS	50 mg/l	96.0	18 May
SD 51	pH	6.0-9.0	4.3	18 May
SD 90	SS	50 mg/l	217.5	18 May
SD 58	SS	50 mg/l	22.0	28 May
SD 61	SS	50 mg/l	68.7	28 May

SD 80 ALL NONE 24 MAR -  
CONSTRUCTION BLOCKED  
OFF STORM DRAIN

SD 24 } ALL NONE 16 APR + 27 MAY  
25 } NOT FLOWING

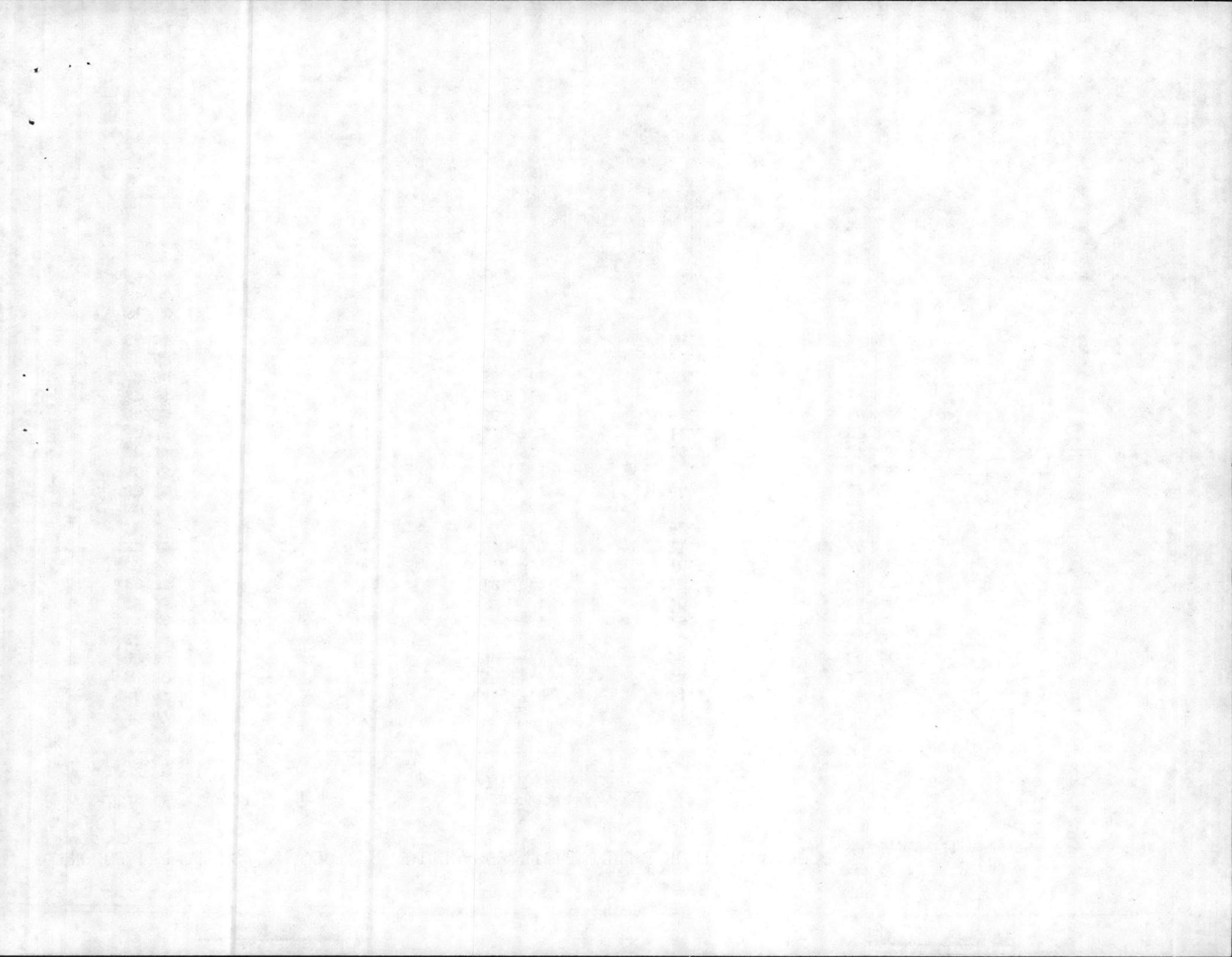
SD 74 ALL NONE 27 APR + CONSTRUCTION  
BLOCKED OFF STORM DRAIN

SD 80 ALL NONE 27 APR - CO

SD 31 }  
SD 34 }  
37 }  
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SD 89 }  
SD 90 }

65 27 MAY 1981



## NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD

March, April, May 1981

<u>Monitoring Sta. or Storm Drain Number</u>	<u>Parameter</u>	<u>Parameter Limits</u>	<u>Value</u>	<u>Date</u>
SD 47	O&G	15 mg/l	179.4	4 Mar
SD 47	pH	6.0-9.0	11.2	4 Mar
SD 60	SS	50 mg/l	54	18 Mar
SD 73	SS	50 mg/l	990	24 Mar
SD 74	SS	50 mg/l	146	24 Mar
SD 74	O&G	15 mg/l	19.6	24 Mar
SD 75	SS	50 mg/l	1190	24 Mar
SD 75	O&G	15 mg/l	126.6	24 Mar
SD 77	pH	6.0-9.0	10.5	24 Mar
SD 79	pH	6.0-9.0	11.4	24 Mar
SD 84	SS	50 mg/l	102.0	22 Apr
SD 73	SS	50 mg/l	109	27 Apr
SD 75	SS	50 mg/l	164	27 Apr
SD 75	O&G	15 mg/l	43.5	27 Apr
SD 77	pH	6.0-9.0	10.7	27 Apr
SD 79	pH	6.0-9.0	11.2	27 Apr
SD 33	SS	50 mg/l	96.0	18 May
SD 51	pH	6.0-9.0	4.3	18 May
SD 90	SS	50 mg/l	217.5	18 May
SD 58	SS	50 mg/l	62.0	28 May
SD 61	SS	50 mg/l	68.7	28 May

Year	Value	Year	Value	Year	Value
1941	1.00	1931	1.00	1921	1.00
1940	1.00	1930	1.00	1920	1.00
1939	1.00	1929	1.00	1919	1.00
1938	1.00	1928	1.00	1918	1.00
1937	1.00	1927	1.00	1917	1.00
1936	1.00	1926	1.00	1916	1.00
1935	1.00	1925	1.00	1915	1.00
1934	1.00	1924	1.00	1914	1.00
1933	1.00	1923	1.00	1913	1.00
1932	1.00	1922	1.00	1912	1.00
1931	1.00	1921	1.00	1911	1.00
1930	1.00	1920	1.00	1910	1.00
1929	1.00	1919	1.00	1909	1.00
1928	1.00	1918	1.00	1908	1.00
1927	1.00	1917	1.00	1907	1.00
1926	1.00	1916	1.00	1906	1.00
1925	1.00	1915	1.00	1905	1.00
1924	1.00	1914	1.00	1904	1.00
1923	1.00	1913	1.00	1903	1.00
1922	1.00	1912	1.00	1902	1.00
1921	1.00	1911	1.00	1901	1.00
1920	1.00	1910	1.00	1900	1.00
1919	1.00	1909	1.00	1899	1.00
1918	1.00	1908	1.00	1898	1.00
1917	1.00	1907	1.00	1897	1.00
1916	1.00	1906	1.00	1896	1.00
1915	1.00	1905	1.00	1895	1.00
1914	1.00	1904	1.00	1894	1.00
1913	1.00	1903	1.00	1893	1.00

DEAR SIR:

IN ACCORDANCE WITH REQUIREMENTS OF NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT NUMBER NC0003239, DISCHARGE MONITORING REPORTS FOR THE PERIOD MARCH, APRIL AND MAY 1981 ARE SUBMITTED.

STORM DRAIN 23, AT MONTFORD PO CAMP JOHNSON, HAS BEEN ELIMINATED ~~REPLACE~~ OF THE INDUSTRIAL WASTE COLLECTION AND FACILITIES (P996) POLLUTION PROJECT, BY CONSTRUCTION OF A SEWER DRAIN THAT RUNS THE STORM DRAIN'S EFFLUENT INTO THE CAMP JOHNSON SEWAGE TREATMENT PLANT.

STORM DRAIN 80, AT ONSLOW BEACH, SHOULD HAVE BEEN REPORTED AS NO FLOW. THE DRAIN WAS SAMPLED <sup>ON</sup> 24 MARCH 1981 FOR THE FIRST QUARTER <sup>MONITORING</sup> AND ON 27 APRIL 1981 FOR THE SECOND QUARTER MONITORING. BOTH TIMES THE DRAIN WAS DRY DUE TO CONSTRUCTION, <sup>RELATED TO</sup> OF THE INDUSTRIAL WASTE COLLECTION AND FACILITIES (P996) POLLUTION PROJECT, WHICH BLOCKED THE DRAIN OFF. CONSTRUCTION OF P996 IS ALSO RESPONSIBLE ~~TO~~ FOR NO VALUES FOR STORM DRAINS 71 AND 74, WHEN THESE DRAINS WERE CHECKED ON 27 MAY 1981 AND 27 APRIL 1981, RESPECTFULLY.

THE EXTREMELY DRY WEATHER RECENTLY IS THE REASON THERE ARE NO VALUES FOR STORM DRAINS 22, 24, 25, 31, 34, 37, 38, 50, 65 AND 89 SO FAR FOR THE SECOND QUARTER OF 1981. STORM DRAINS 22, 24 AND 25 <sup>WERE CHECKED</sup> ON 16 APRIL 1981 AND, AGAIN, ON 27 MAY 1981. STORM DRAINS 31, 34, 37, 38, 50 AND 89 WERE CHECKED ON 18 MAY 1981 AND STORM DRAIN 65 ON

27 MAY 1981. ALL WERE FOUND NOT TO BE FLOWING. THEY WILL BE CHECKED AGAIN IN JUNE.

THE OTHER STORM DRAIN VIOLATIONS DEPICTED BY THE ENCLOSED TABLE MAY BE CORRELATED WITH BASE GEOGRAPHY AND FACILITIES BY REFERRING TO MAPS WITH NUMBERED STORM DRAIN MONITORING POINTS THAT HAVE BEEN PREVIOUSLY PROVIDED TO YOUR AGENCY. OILY WASTE DISCHARGE VIOLATIONS ARE DIRECTLY RELATED TO RUNOFF FROM AREAS WITH WASH RACKS, GREASE RACKS, AND MAINTENANCE AREAS. THE MAJOR CONTRIBUTING FACTORS TO THE PRESENCE OF OILY WASTE DISCHARGE IN STORM DRAINS IS DUE TO INADEQUATE ABATEMENT FACILITIES. CONCENTRATIONS OF SUSPENDED SOLIDS THAT VIOLATE PERMIT LIMITATIONS MAY BE DIRECTLY ATTRIBUTED TO RUNOFF FROM ROADS AND GROUNDS.

THE BASE ENVIRONMENTAL STAFF IS CONTINUING TO WORK ON OPERATIONAL CONTROL METHODOLOGY TO REDUCE SUSPENDED SOLIDS DISCHARGES. AN A-E FIRM HAS DESIGNED FACILITIES TO ABATE MISCELLANEOUS POLLUTION DISCHARGES. THE CONSTRUCTION CONTRACT HAS BEEN AWARDED AND THE CONSTRUCTION HAS BEGUN. THE ESTIMATED DATE OF COMPLETION FOR FULL TREATMENT OF MISCELLANEOUS POLLUTION SOURCES IS 1982.

FOR FURTHER PERTINENT DETAILS ON ANY OF THE ABOVE, YOU MAY CONTACT MR. JULIAN WOOSTEN, NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION, BASE MAINTENANCE DEPARTMENT, TELEPHONE (919) 451-5003/2083.

DEPARTMENT OF THE NAVY

# Memorandum

DATE: 9 June 1981

FROM Ms. Betz, Quality Control Lab., NREAD, BMaintDept

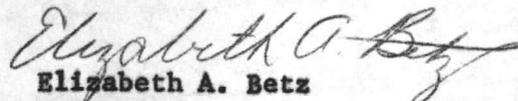
TO Mr. Sharpe, Supvy Ecologist, NREAD, BMaintDept

SUBJ Storm Drain Violations for May 1981

1. Storm Drains 31-38, 50, 51, 57-61, 65, 67-69, 71, 72, 89, 90 were collected this month and the following violations occurred:

	Map/Location	Parameter	Limits	Value	Date	History-Flunks
SD 33	Open Storage Area Bearhead Creek	SS	50 mg/1	96.0	18 May	pH 0, SS 1, OG 0
SD 51	Hadnot Pt., Reg. Area #1-River Rd	pH	6.0-9.0	4.3	18 May	pH 1, SS 2, OG 0
SD 90	Hadnot Pt., Cross Street	SS	50 mg/1	217.5	18 May	pH 2, SS 0, OG 0
SD 58	Hadnot Pt., Reg. Area #4-River Rd	SS	50 mg/1	62.0	28 May	pH 0, SS 6, OG 3
SD 61	Hadnot Pt., Behind STP	SS	50 mg/1	68.7	28 May	pH 0, SS 1, OG 0

Also Storm Drains 22, 24 & 25 were rechecked on 27 May 1981 and they were still dry. Of the 28 Storm Drains collected this month 9 were dry, not following or blocked by construction. Storm Drains 31, 37, 38, 50, 60, 65 & 89 were dry or not flowing. Storm Drains 34 and 71 were blocked by construction of p996. Someone needs to determine if 34 and 71 will be eliminated when construction is through.

  
Elizabeth A. Betz  
Supervisory Chemist

Mr. [Name], [Address], [City], [State]

Dear Mr. [Name]:

Reference is made to your letter of [Date]

In response to your inquiry regarding [Topic], please find the following information:

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[Row 3 Col 1]	[Row 3 Col 2]	[Row 3 Col 3]	[Row 3 Col 4]
[Row 4 Col 1]	[Row 4 Col 2]	[Row 4 Col 3]	[Row 4 Col 4]
[Row 5 Col 1]	[Row 5 Col 2]	[Row 5 Col 3]	[Row 5 Col 4]
[Row 6 Col 1]	[Row 6 Col 2]	[Row 6 Col 3]	[Row 6 Col 4]

Very truly yours,  
[Signature]

DEPARTMENT OF THE NAVY

# Memorandum

DATE: 1 May 1981

FROM Ms. Betz, Water Quality Control Laboratory, NREAD, BMaintDept

TO Mr. Sharpe, Ecologist, NREAD, BMaintDept

SUBJ Storm Drain Violations for April 1981

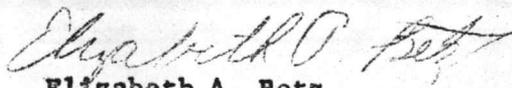
1. Storm Drains 20-30, 63, 64, 66, 73-88 were collected this month and the following violations occurred:

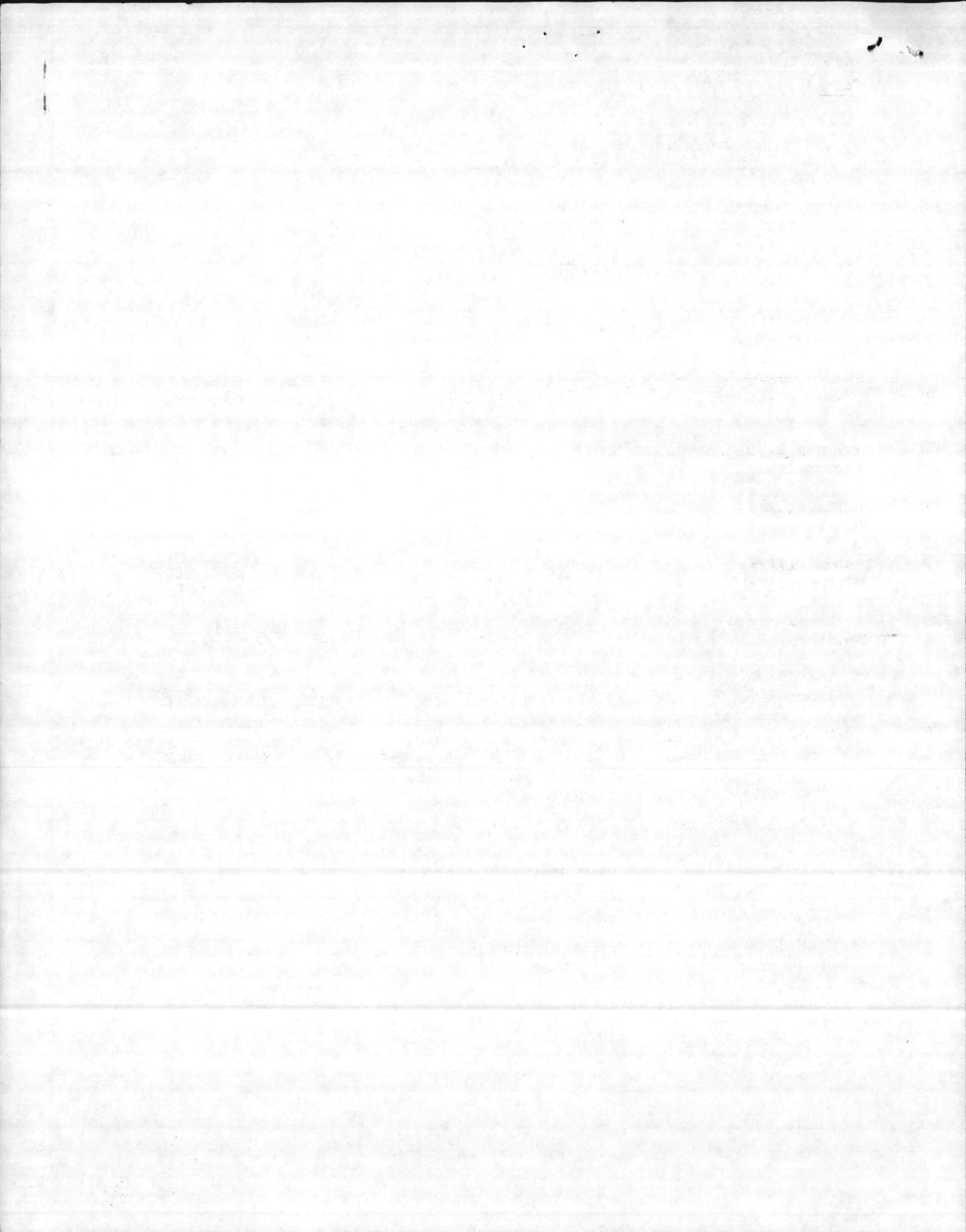
SD	Map/Location	Parameter	Limits	Value	Date	History-Flunks
SD 84	Airstation-By Bldg 3502	SS	50 mg/1	102.0	22Apr	pH 0, SS 3, O&G 2
SD 73	Courthouse Bay Amtrac Area	O&G	15 mg/1	109	27Apr	pH 0, SS 13, O&G 15
SD 75	Courthouse Bay Amtrac Area	O&G SS	15 mg/1 50 mg/1	164 43.5	27Apr	pH 0, SS 4, O&G 4
SD 77	Courthouse Bay MCEs Mess Hall	pH	6.0-9.0	10.7	27Apr	pH 12, SS 1, O&G 0
SD 79	Courthouse Bay By Steam Blant	Ph	6.0-9.0	11.2	27Apr	pH 13, SS 1, O&G 3

2. Due to the dry weather SD 22, 24 & 25 were completely dry and therefore no sample or results were obtained. Also, of the drains collected SD 27, 29 & 82-88 had no flow, there was water standing in the drains but it wasn't moving. An estimation of the amount of water was recorded, however there is no place on our storm drain report forms to report standing pools of water. There's just a place for the flow. Andy, in the past, has always reported the volume in the pool in the Gallons/Day column. However this does not seem accurate.

3. Due to construction pertaining to P996, SD 74 (Courthouse Bay, By A-8) and SD 80 (Onslow Beach) could not be collected, however, it isn't clear whether at the end of the construction there still might be a drain. Construction of P996 at SD 23 has eliminated the drain. Perhaps you and/or Dave Goodwin can determine if 74 & 80 will be eliminated.

4. Finally, on SD 29 we need some advice. It is located by the old Generating Plant right outside the Main Gate. There is a huge hole full of water located there, however no one knows where the effluent pipe is. Andy has been collecting the sample at the River's edge, below the hole and, again, I question the accuracy. If the hole has an effluent drain then we should locate it and collect it there. The River's edge is not a proper point of collection, at the end of a drain yes, but there is no drain.

  
Elizabeth A. Betz  
Supervisory Chemist



DEPARTMENT OF THE NAVY

# Memorandum

DATE: 26 March 1981

FROM **Ms. Betz, Water Quality Control Lab., N. R. E. A. Div.**TO **Mr. Sharpe, Ecologist, N. R. E. A. Div.**SUBJ **Storm Drain Violations for March 1981**

1. Storm Drains 43-63, 73-80, 89-90 were collected this month and the following violations occurred:

	Map/Location	Parameter	Limits	Value	Date	History-Flunks
SD 47	Hadnot Pt. Supply Area-Louisa Rd.	O&G pH	15 mg/l 6.0-9.0	179.4 11.2	4Mar	pH 0, SS 3, O&G 7
SD 60	Hadnot Pt. Reg Area No. 2-River Rd.	SS	50 mg/l	54	18Mar	pH 0, SS 3, O&G 0
SD 73	Courthouse Bay Antrac Area	SS	50 mg/l	990	24Mar	pH 0, SS 13, O&G 14
SD 74	Courthouse Bay Antrac Area	SS O&G	50 mg/l 15 mg/l	146 19.6	24Mar	pH 0, SS 10, O&G 10
SD 75	Courthouse Bay Antrac Area	SS O&G	50 mg/l 15 mg/l	1190 126.6	24Mar	pH 0, SS 3, O&G 3
SD 82	Courthouse Bay MCES Mess Hall	pH	6.0-9.0	10.5	24Mar	pH 11, SS 1, O&G 0
SD 79	Onslow Beach By Steam Plant	pH	6.0-9.0	11.4	24Mar	pH 12, SS 1, O&G 3

2. Storm Drain 75 had an unusually high flow. We traced the water to an antrac that had a hose on it.

Elizabeth A. Betz  
Supervisory Chemist

THE UNIVERSITY OF CHICAGO

DEPARTMENT OF CHEMISTRY

LABORATORY OF ORGANIC CHEMISTRY

REPORT OF RESEARCH

BY

DR. J. H. GOLD

AND

DR. R. H. BROWN

CHICAGO, ILLINOIS

1955

NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD: MARCH, APRIL, MAY 1981

5 > MAP  
Hadnot Point

LOCATION	ID NUMBER	EFFLUENT FROM	PARAMETER	LIMITS	VALUE	DATE	PLI
Supply Area - Louis Rd	SD 47	Steam Plant Grease & Wash Racks	O&G pH	15 mg/l 6.0-9.0	179.4 11.2	4 Mar	SS 3 OG 7 pH 1
Reg. Area No. 5 River Road	SD 60	Parking lots	SS	50 mg/l	54	18 Mar	SS 3 OG 0 pH 0
Courthouse Bay Amtrac Area	SD 73	Grease Racks	SS	50 mg/l	990	24 Mar	SS 13 OG 14 pH 0
	SD 74	Wash Racks	SS OG	50 mg/l 15 mg/l	146 19.6	24 Mar	SS 10 OG 10 pH 0
	SD 75	Grease & Wash Racks	SS OG	50 mg/l 15 mg/l	1190 126.6	24 Mar	SS 3 OG 3 pH 6
MC Engineer School Mess Hall	SD 77	Steam Plant Water Plant	pH	6.0-9.0	10.5	24 Mar	SS 1 OG 0 pH 11
Onslow Beach By Steam Plant	SD 79	Steam Plant	pH	6.0-9.0	11.4	24 Mar	SS 1 OG 3 pH 12
Air Station By Bldg MCAS 3502	SD 84	Gas Station & Fuel Farm	SS	50 mg/l	102.0	22 Apr	SS 3 OG 2 pH 0
Courthouse Bay Amtrac Area	SD 73	Grease Racks	SS	50 mg/l	109	27 Apr	SS 14 OG 14 pH 0
	SD 75	Grease & Wash Racks	SS OG	50 mg/l 15 mg/l	164 43.5	27 Apr	SS 4 OG 4 pH 0

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<u>MAP</u>	<u>LOCATION</u>	<u>ID NUMBER</u>	<u>EFFLUENT FROM</u>	<u>PARAMETER</u>	<u>LIMITS</u>	<u>VALUE</u>	<u>DATE</u>	<u>FLUNK</u>
Courthouse Bay	MC Engineer School Mess Hall	SD 77	Steam Plant Water Plant	pH	6.0-9.0	10.7	27 Apr	SS 1 OG 0 pH 12
	By Steam Plant	SD 79	Steam Plant	pH	6.0-9.0	11.2	27 Apr	SS 1 OG 3 pH 13
Open Storage Area	Bearhead Creek & Holcomb Blvd.	SD 33	Grease Rack	SS	50 mg/1	96.0	18 May	SS 1 OG 0 pH 0
Hadnot Point	Reg. Area No. 1 River Road	SD 51	Parking Lots	pH	6.0-9.0	4.3	18 May	SS 2 OG 0 pH 1
	Cross Street	SD 90	Parking Lots	SS	50 mg/1	262.0	28 May	SS 0 OG 0 pH 2
	Reg. Area No. 4 River Road	SD 58	Parking Lots	ss	50 mg/1	62.0	28 May	SS 6 OG 3 pH 0
	Behind Sewage Plant	SD 61	Mess Hall Wash Rack	SS	50 mg/1	68.7	28 May	SS 1 OG 0 pH 0



Dear Sir:

In accordance with requirements of National Pollutant Discharge Elimination System Permit number NC0003239, discharge monitoring reports for the period December 1980, January and February 1981 are submitted.

Effective 30 November 1980, a new schedule for gathering composite influent and effluent samples was initiated as a result of closure of the Water Quality Control Laboratory on Sundays. Hadnot Point Sewage Treatment Plant(SS04) is collected Sunday and Tuesday through Friday(five days per week); Camp Johnson(SS03), Tarawa Terrace(SS02) and Camp Geiger(SS01) Sewage Treatment Plants are collected Tuesday through Friday(four days per week); Rifle Range(SS05), Courthouse Bay(SS06), and Onslow Beach(SS07) Sewage Treatment Plants are collected Tuesday and Thursday(two days per week).

The Courthouse Bay Sewage Treatment Plant Biochemical Oxygen Demand average percent removal violation for the month of January was caused by the plant being over loaded. The plant capacity is 0.525 million gallons per day and several days this month the flow was above the capacity.

The Onslow Beach Sewage Treatment Plant Biochemical Oxygen Demand average percent removal violation for the month of January can be attributed to equipment failure. The filter bearings were malfunctioning.

Storm Drain 70, at the Rifle Range, has been eliminated by construction of a sewer drain that runs the storm drain's effluent into the Rifle Range Sewage Treatment Plant.

The following information was obtained from the records of the Department of Health and Human Services, Office of the Assistant Secretary for Health Policy and Statistics, dated 10/10/77, concerning the use of the term "health care" in the context of the Health Care Financing Administration (HCFA) and the Social Security Administration (SSA).

The term "health care" is defined as the services and facilities provided for the diagnosis, treatment, and prevention of illness, injury, and disability. This definition includes the services provided by hospitals, health maintenance organizations (HMOs), and other health care providers. The term "health care" is also used to describe the services provided by health care workers, including physicians, nurses, and other health care professionals. The term "health care" is also used to describe the services provided by health care facilities, including hospitals, health maintenance organizations (HMOs), and other health care providers.

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The Storm Drain violations depicted by the enclosed table may be correlated with Base geography and facilities by referring to maps with numbered storm drain monitoring points that have been previously provided to your agency. Oily waste discharge violations are directly related to runoff from areas with wash racks, grease racks, and maintenance areas. The major contributing factors to the presence of oily waste discharge in storm drains is due to inadequate abatement facilities. Concentrations of suspended solids that violate permit limitations may be directly attributed to runoff from roads and grounds.

The Base environmental staff is continuing to work on operational control methodology to reduce suspended solids discharges. An A & E Firm has designed facilities to abate miscellaneous pollution discharges. The construction contract has been awarded and the construction has begun. The estimated date of completion for full treatment of miscellaneous pollution sources is 1982.

For further pertinent details on any of the above, you may contact Mr. Julian Wooten, Natural Resources and Environmental Affairs Division, Base Maintenance Department, telephone (910) 451-5003/2083.

The enclosed report describes the results of the investigation conducted by the Laboratory of the Federal Bureau of Investigation, Department of Justice, in connection with the above-captioned matter. The report contains a detailed description of the evidence obtained and the results of the tests conducted thereon. It is requested that you advise this Bureau of any further information you may have regarding this matter.

The above information is being furnished to you for your information and is not to be disseminated outside your agency. The enclosed report is being furnished to you for your information and is not to be disseminated outside your agency. The enclosed report is being furnished to you for your information and is not to be disseminated outside your agency.

Very truly yours,  
Special Agent in Charge

Enclosure

2 COPIES

DOUBLE SPACE

DEAR SIR:

IN ACCORDANCE WITH REQUIREMENTS OF NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT NUMBER NC0003239, DISCHARGE MONITORING REPORTS FOR THE PERIOD DECEMBER 1980, JANUARY AND FEBRUARY 1981 ARE SUBMITTED

EFFECTIVE 30 NOVEMBER 1980, A NEW SCHEDULE FOR GATHERING COMPOSITE INFLUENT AND EFFLUENT SAMPLES WAS INITIATED AS A RESULT OF ~~SO~~ CLOSURE OF THE WATER QUALITY CONTROL LABORATORY ON SUNDAYS. HADNOT POINT SEWAGE TREATMENT PLANT (SS04) <sup>IS</sup> ~~WILL BE~~ COLLECTED SUNDAY AND TUESDAY THROUGH FRIDAY (FIVE DAYS PER WEEK); CAMP GEIGER (SS01), TARAWA TERRACE (SS02) AND CAMP JOHNSON (SS03) SEWAGE TREATMENT PLANTS <sup>ARE</sup> ~~WILL BE~~ COLLECTED TUESDAY THROUGH FRIDAY (FOUR DAYS PER WEEK); RIFLE RANGE (SS05), COURTHOUSE BAY (SS06) AND ONSLOW BEACH (SS07) SEWAGE TREATMENT PLANTS <sup>ARE</sup> ~~WILL BE~~ COLLECTED TUESDAY AND THURSDAY (TWO DAYS PER WEEK).

THE COURTHOUSE BAY SEWAGE TREATMENT PLANT BIOCHEMICAL OXYGEN DEMAND <sup>AVERAGE</sup> ~~MONTHLY~~ PERCENT REMOVAL VIOLATION FOR THE MONTH OF JANUARY <sup>WAS CAUSED BY THE</sup> ~~CAN BE ATTRIBUTED TO~~ PLANT BEING OVER LOADED. THE PLANT CAPACITY IS 0.525 MILLION <sup>THE FLOW</sup> GALLONS A DAY AND SEVERAL DAYS THIS MONTH ~~IT~~ WAS ABOVE THE CAPACITY

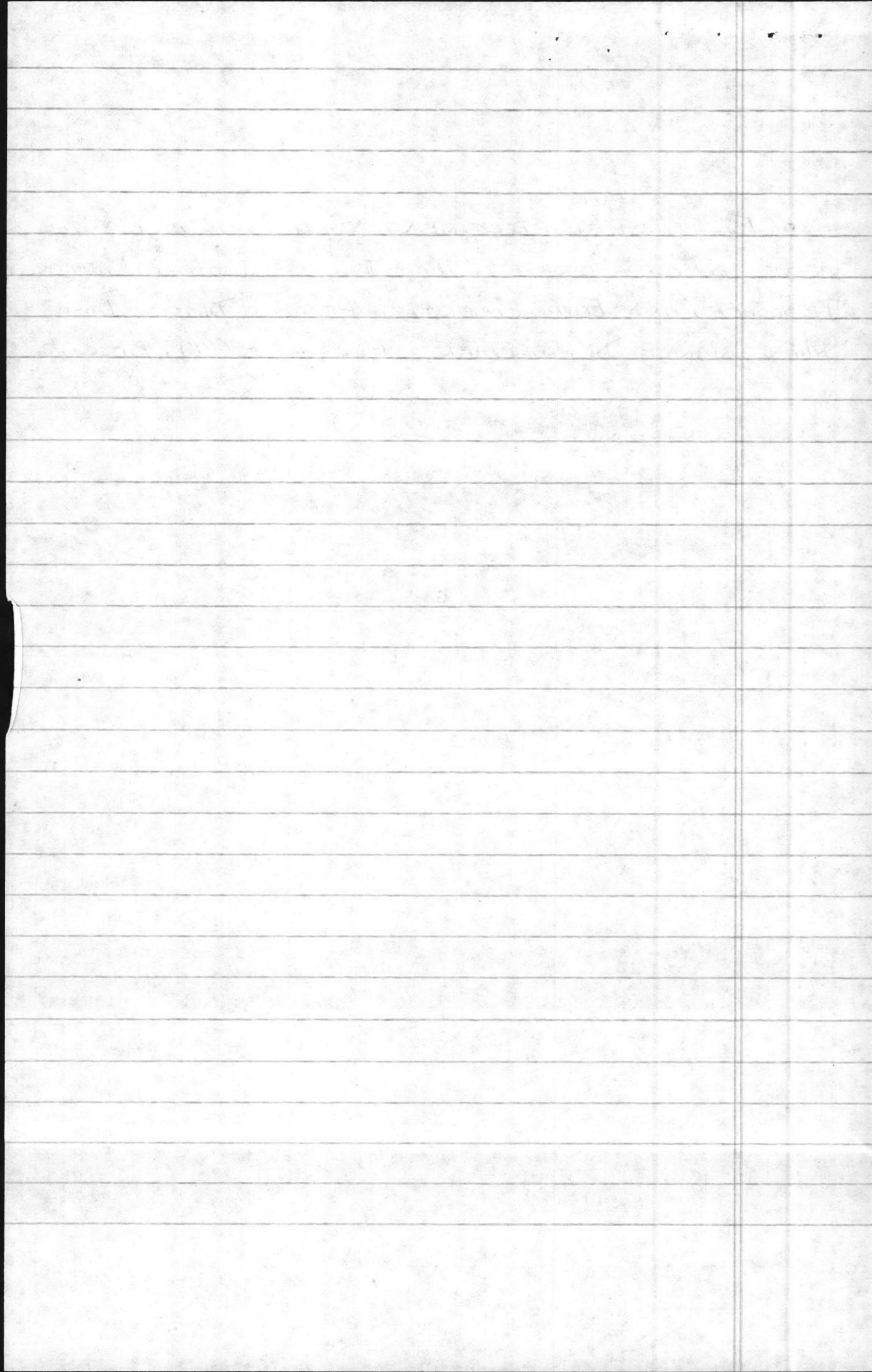
THE ONSLOW BEACH SEWAGE TREATMENT PLANT <sup>BIOCHEMICAL</sup> AVERAGE <sup>VIOLATION</sup>  
~~Q~~ OXYGEN DEMAND AVERAGE PERCENT REMOVAL FOR  
FOR THE MONTH OF JANUARY CAN ONLY BE ATTRIBUTED TO:  
EQUIPMENT FAILURE. THE FILTER BEARINGS WERE MALFUNCTIONING,  
~~AND CAUSING THE~~

STORM DRAIN 70 AT THE RIFLE RANGE HAS BEEN  
ELIMINATED <sup>BY</sup> ~~TO~~ CONSTRUCTION OF FA A (FACILITY) <sup>DRAIN</sup> THAT  
<sup>STORM DRAIN'S</sup> RUNS THE EFFLUENT INTO THE RIFLE RANGE <sup>SEWAGE DRAIN</sup> SEWER  
TREATMENT.

THE STORM DRAIN VIOLATIONS DEPICTED BY THE ENCLOSED TABLE  
MAY BE CORRELATED WITH ~~BASE~~ GEOGRAPHY AND FACILITIES  
BY REFERRING TO MAPS WITH NUMBERED STORM DRAIN MONITORING  
POINTS THAT HAVE BEEN PREVIOUSLY PROVIDED TO YOUR AGENCY.  
OILY WASTE DISCHARGE VIOLATIONS ARE DIRECTLY RELATED  
TO RUNOFF FROM AREAS WITH WASH RACKS, GREASE RACKS,  
AND MAINTENANCE AREAS. THE MAJOR CONTRIBUTING  
FACTORS TO THE PRESENCE OF OILY WASTE DISCHARGE IN  
STORM DRAINS IS DUE TO INADEQUATE ABATEMENT  
FACILITIES. CONCENTRATIONS OF SUSPENDED SOLIDS THAT  
VIOLATE PERMIT LIMITATIONS MAY BE DIRECTLY ATTRIBUTED  
TO RUNOFF FROM ROADS AND GROUNDS.

THE BASE ENVIRONMENTAL STAFF IS CONTINUING TO WORK  
ON OPERATIONAL CONTROL METHODOLOGY TO REDUCE  
SUSPENDED SOLIDS DISCHARGES. AN A+E FIRM HAS  
DESIGNED FACILITIES TO ABATE MISCELLANEOUS POLLUTION  
DISCHARGES. THE CONSTRUCTION CONTRACT HAS BEEN  
AWARDED AND THE CONSTRUCTION HAS BEGUN. THE ESTIMATED  
DATE OF COMPLETION FOR FULL TREATMENT OF MISCELLANEOUS  
POLLUTION SOURCES IS 1982.

FOR FURTHER PERTINENT DETAILS ON ANY OF THE ABOVE, YOU MAY CONTACT MR. JULIAN WOOTEN, NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION, BASE MAINTENANCE DEPARTMENT, TELEPHONE (919) 451-5003/2083.



**BASE MAINTENANCE DEPARTMENT**

Marine Corps Base

Camp Lejeune, North Carolina 28542

MAIN/PS/rn  
11345  
25 Mar 1981

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

Subj: Discharge Permit Violations

1. Courthouse Bay BOD - Jan 1981. This violation was caused by plant being over loaded. This plant capacity is .525 MGD with a flow of .525+ MGD several days a month.

2. Onslow Beach Plant BOD - Jan 1981. Equipment failure. The filter bearings were giving trouble.

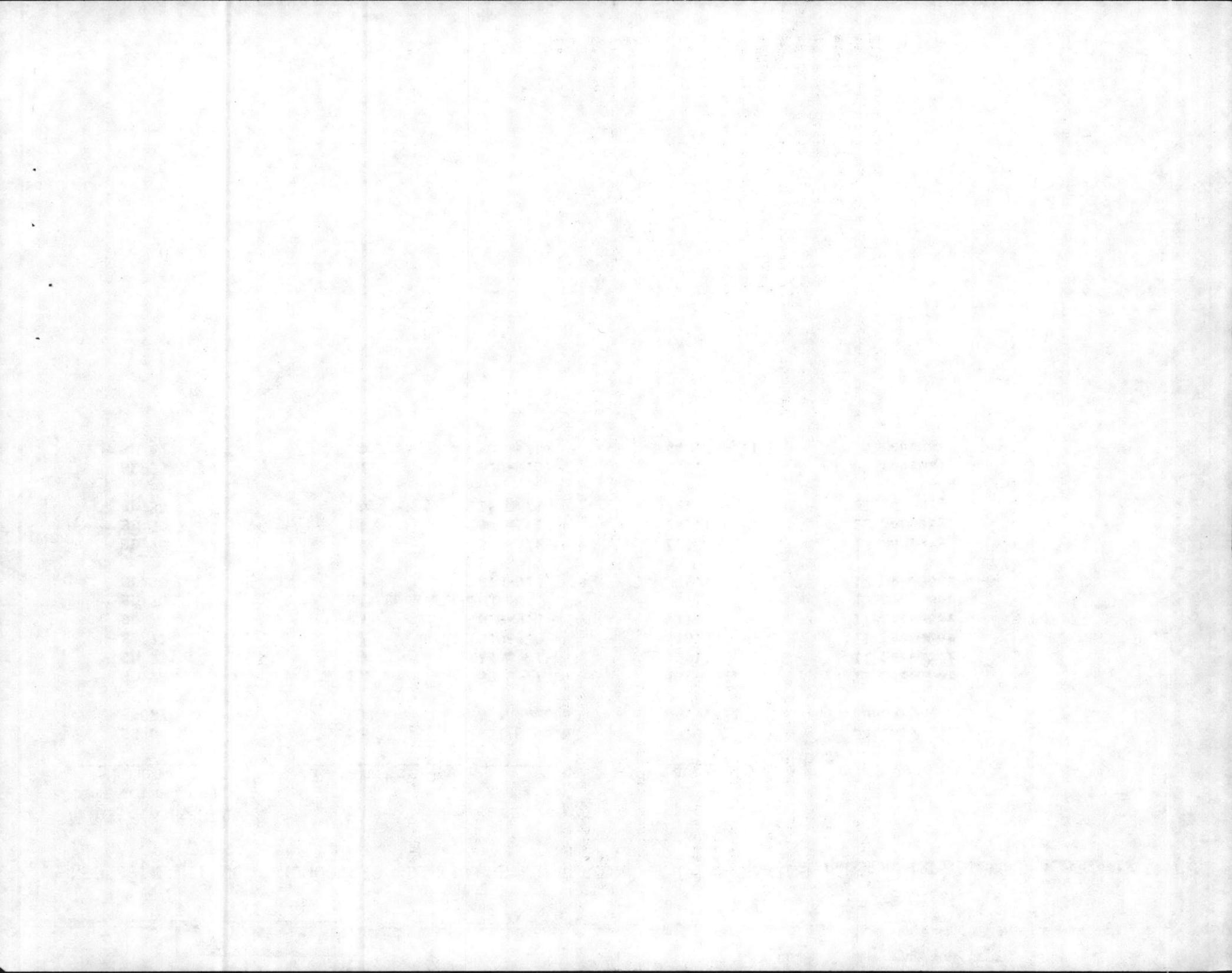
  
P. S. HUFFMAN, JR.

THE UNIVERSITY OF CHICAGO  
LIBRARY

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NPDES PERMIT NO. NCOO03239 DISCHARGE VIOLATIONS FOR THE PERIOD December 1980, January & February 1981

<u>Monitoring Sta. or Storm Drain Number</u>	<u>Parameter</u>	<u>Parameter Limits</u>	<u>Value</u>	<u>Date</u>
SS 06	BOD	85% Removed	83.046%	January
SS 07	BOD	85% Removed	84.9981%	January
SD 73	TSS	50 mg/l	189 mg/l	11 December
SD 73	O&G	15 mg/l	168.1 mg/l	11 December
SD 77	pH	6.0-9.0	10.3	11 December
SD 79	pH	6.0-9.0	11.0	11 December
SD 70	Has Been Eliminated			15 December
SD 90	pH	6.0-9.0	5.9	17 December
SD 25	TSS	50 mg/l	123 mg/l	13 January
SD 30	TSS	50 mg/l	142.1 mg/l	22 January
SD 34	O&G	15 mg/l	22.5 mg/l	22 January
SD 35	pH	6.0-9.0	9.2	5 February
SD 42	TSS	50 mg/l	449.8 mg/l	5 February



DEPARTMENT OF THE NAVY

# Memorandum

DATE: 23 March 1981

FROM Ms. Betz, Water Quality Control Lab., N. R. E. A. Div.

TO Mr. Sharpe, Ecologist, N. R. E. A. Div.

SUBJ NPDES Permit Violations for December 1980, January & February 1981

ENCL: (1) Table of Violations  
(2) Memo to Mr. Hatcher  
(3) Table of Violations for Colonel

1. Encl (1) is your copy of the list of the violations for the Sewage Treatment Plants and Storm Drains for this Quarter.

2. Encl(2) is a copy of the memo sent to Mr. Hatcher with his copy of the Violations.

3. Encl (3) is the list for the Colonel to review before he has to sign the Quarterly Report.

4. The violations at Onslow Beach was not caught sooner by our Lab because when we figure the % removals for each day we round off, according to the rules for significant digits. However the computer at Lant Div carries the % removals to the 4th decimal place. In this case, causing Courthouse bay to have a higher average (which still flunked) but Onslow Beach to have a lower average and therefore flunk. Granted the violation is not much, only 0.0019 of a percent but it is still a violation.

5. Also in reading the NPDES Permit, I question the procedure Lant Div and our Lab use in obtaining the monthly % removal. At present, we compute the daily percent removal then at the end of the month we average the daily percents to obtain our monthly average. However the permit, concerning this 85 % removal, reads as follows "... the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent (85 % Removed) of the respective monthly average influent concentration." As I interpret that, instead of taking the daily % removals and obtaining the average, we should obtain the % removal of the average influent and the average effluent. It makes a big difference. In the case of Courthouse Bay and Onslow Beach their average % removals for BOD in January would be 85.9459 % and 93.4289 %, respectively, and therefore wouldn't have violated the Permit. The above quote read the same in the previous permit.

Elizabeth A. Metz  
Supervisory Chemist

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DEPARTMENT OF THE NAVY

# Memorandum

DATE: 23 March 1981

FROM Ms. Betz, Water Quality Control Lab., N. R. E. A. Div.

TO Mr. Hatcher, Director, Utilities Div.

SUBJ NPDES Permit Violations for December 1980, January & February 1981

ENCL (1) Table of Violations

1. Enclosure (1) is a copy of the list of violations for the Sewage Treatment Plants and Storm Drains for this Quarter. This list with a cover letter explaining the violations will accompany the Quarterly Report.
2. There were two violations at the Sewage Treatment Plants. They occurred in January at SS 06, Courthouse Bay Sewage Treatment Plant, and SS 07, Onslow Beach Sewage Treatment Plant. Courthouse Bay had a monthly average of 83.046(82.9)% removed and Onslow Beach had 84.9981(85.1)% removed for BOD. Both of which is below the minimum limit of 85 %. The percents in parenthesis were computed by the Lab by rounding off to significant figures. The others were figured by computer and carried to the 4th decimal place by Lant Div and are the ones reported to EPA.
3. The Laboratory needs an explanation as soon as possible for the cover letter. A copy of the cover letter will be sent to you upon its completion.

Elizabeth A. Betz  
Supervisory Chemist

cc-Mr. Sharpe

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NPDES PERMIT NO. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD: December 1980, January, February 1981

<u>MAP</u>	<u>LOCATION</u>	<u>ID NUMBER</u>	<u>EFFLUENT FROM</u>	<u>PARAMETER</u>	<u>LIMITS</u>	<u>VALUE</u>	<u>DATE</u>	<u>FLUNKS**</u>
Courthouse Bay	Bldg BB-4	SS+06		BOD	85 %	83.046	Jan	
Onslow Beach	Bldg SBA-107	SS 07		BOD	85 %	84.9981	Jan	
Courthouse Bay	Amtrac Area	SD*73	Grease Racks	TSS	50 mg/1	189	11 Dec	TSS 12
				O&G	15 mg/1	168.1	11 Dec	O&G 14 pH 0
	MC Engineer School Mess Hall	SD 77	Steam Plant Water Plant	pH	6.0-9.0	10.3	11 Dec	TSS 1 O&G 0 pH 10
Onslow Beach	By Steam Plant	SD 79	Steam Plant	pH	6.0-9.0	11.0	11 Dec	TSS 1 O&G 3 pH 11
Rifle Range	Pistol Range	SD 70	Steam Plant	Has Been Eliminated			15 Dec	TSS 6*** O&G 1 pH 11
Hadnot Point	Cross Street	SD 90	Parking Lot	pH	6.0-9.0	5.9	17 Dec	TSS 0 O&G 0 pH 2
Montford Point	Area #2	SD 25	Steam Plant	TSS	50 mg/1	123	13 Jan	TSS 1 O&G 0 pH 5
Midwgy Park	Lee Ave & Boundary	SD 30	Wash Rack	TSS	50 mg/1	142.1	22 Jan	TSS 1 O&G 1 pH 3
Paradise Point	Btn 8th & 10th holes on Golf Course	SD 34	Wash Pad	O&G	15 mg/1	22.5	22 Jan	TSS 10 O&G 6 pH 1
				pH	6.0-9.0	9.2	5 Feb	TSS 0 O&G 1 pH 9
Hadnot Point	Behind Central MC Exchange	SD 42	Grease Racks & Coal Pile	TSS	50 mg/1	449.8	5 Feb	TSS 7 O&G 1 pH 6



DATE: \$ MARCH 1981

FROM: Ms. BETZ, WATER QUALITY CONTROL LAB., N.R.E.A. DIV.

TO: MR. SHARPE, ECOLOGIST, N.R.E.A. DIV.

SUBJ: STORM DRAIN VIOLATIONS FOR FEBRUARY 1981

1. STORM DRAINS 35-42, 64-65, 67-69, 71-72 WERE COLLECTED THIS MONTH AND THE FOLLOWING VIOLATIONS OCCURRED;

MAP. / - LOCATION      PARAMETER/LIMITS

SD 35    PARADISE PT. BEHIND "O" CUB      PH 6.0-9.0

SD 42    HADNOT PT. <sup>BEHIND</sup> MC EXCHANGE      SS 50 mg/l

VALUE      DATE

9.2      5 FEB

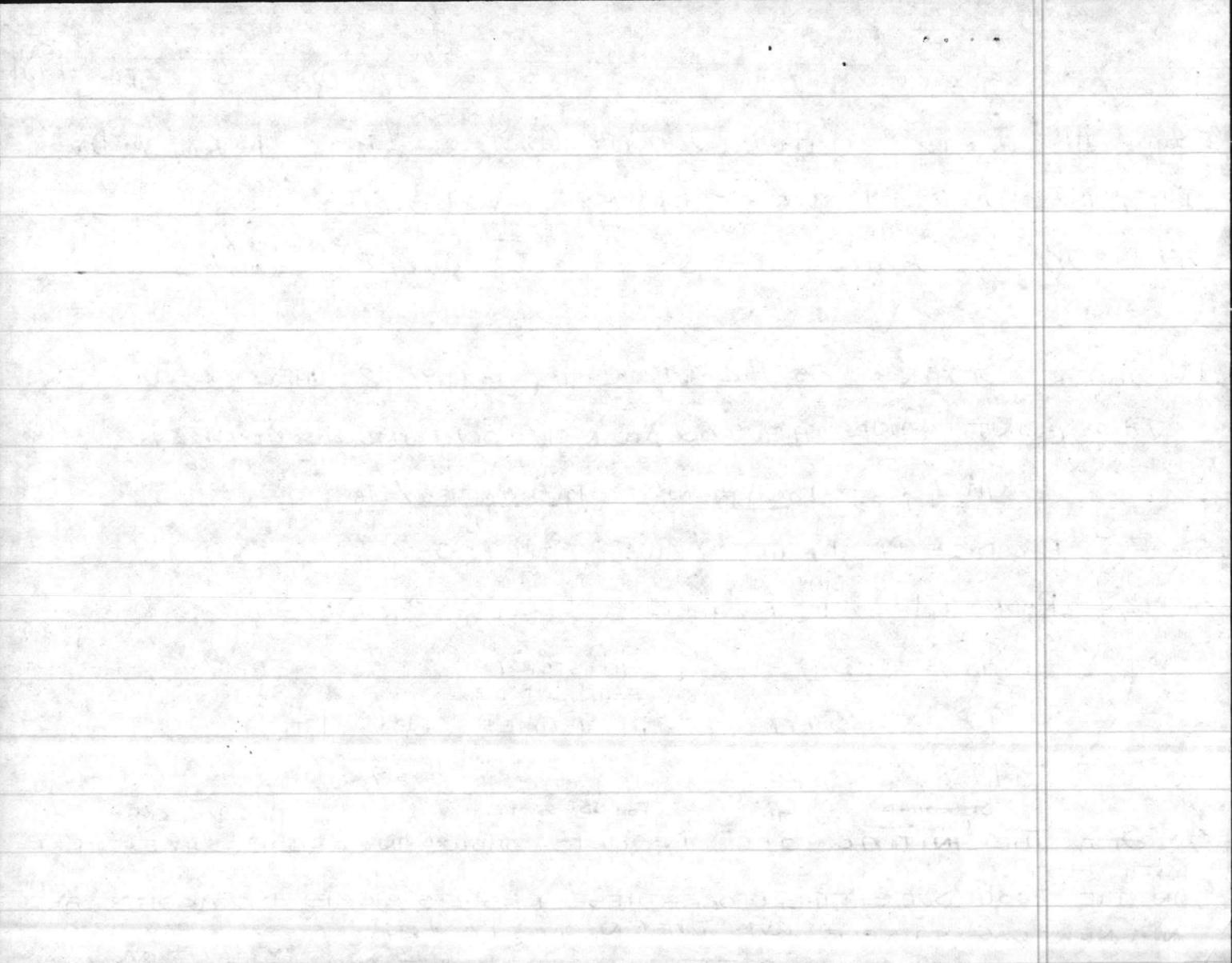
449.8      5 FEB

HISTORY

FLUNKED  
PH 9 TIMES, O+G 1 TIME

PH 6 TIMES, SS 7 TIMES O+G 1 TIME  
FOR SD 35-42      HAD OCCURRED

2. STOP THE <sup>STANDARD CONTROLS ON THE</sup> INITIAL O+G RESULTS SHOWED AN ERROR SOMEWHERE WITH THIS ~~IN~~ THE PROCEDURE. THEREFORE THESE RESULTS WERE DISCARDED AND A NEW O+G SAMPLE WAS TAKEN ON 17 FEB. THERE WERE NO VIOLATIONS



DEPARTMENT OF THE NAVY

# Memorandum

DATE: 3 February 1981

FROM: Ms. Betz, Water Quality Control Lab., N. R. E. A. Div.

TO: Mr. Sharpe, Ecologist, N. R. E. A. Div.

SUBJ: Storm Drain Violations for January 1981

1. Storm Drains 20-34, 66, 81-88 were collected in January and the following violations occurred:

	Parameter	Limit	Violation	Date	History
SD 25	SS	50 mg/l	123 mg/l	13 Jan	Flunked 7 times; 1 SS, 6 pH
SD 30	SS	50 mg/l	142.1 mg/l	22 Jan	Flunked 5 times; 1 SS, 3 pH, 1 O&G
SD 34	O&G	15 mg/l	22.5 mg/l	22 Jan	Flunked 11 Times; 10 SS, 1 pH, 6 O&G

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DEPARTMENT OF THE NAVY

# Memorandum

DATE: 22 December 1980

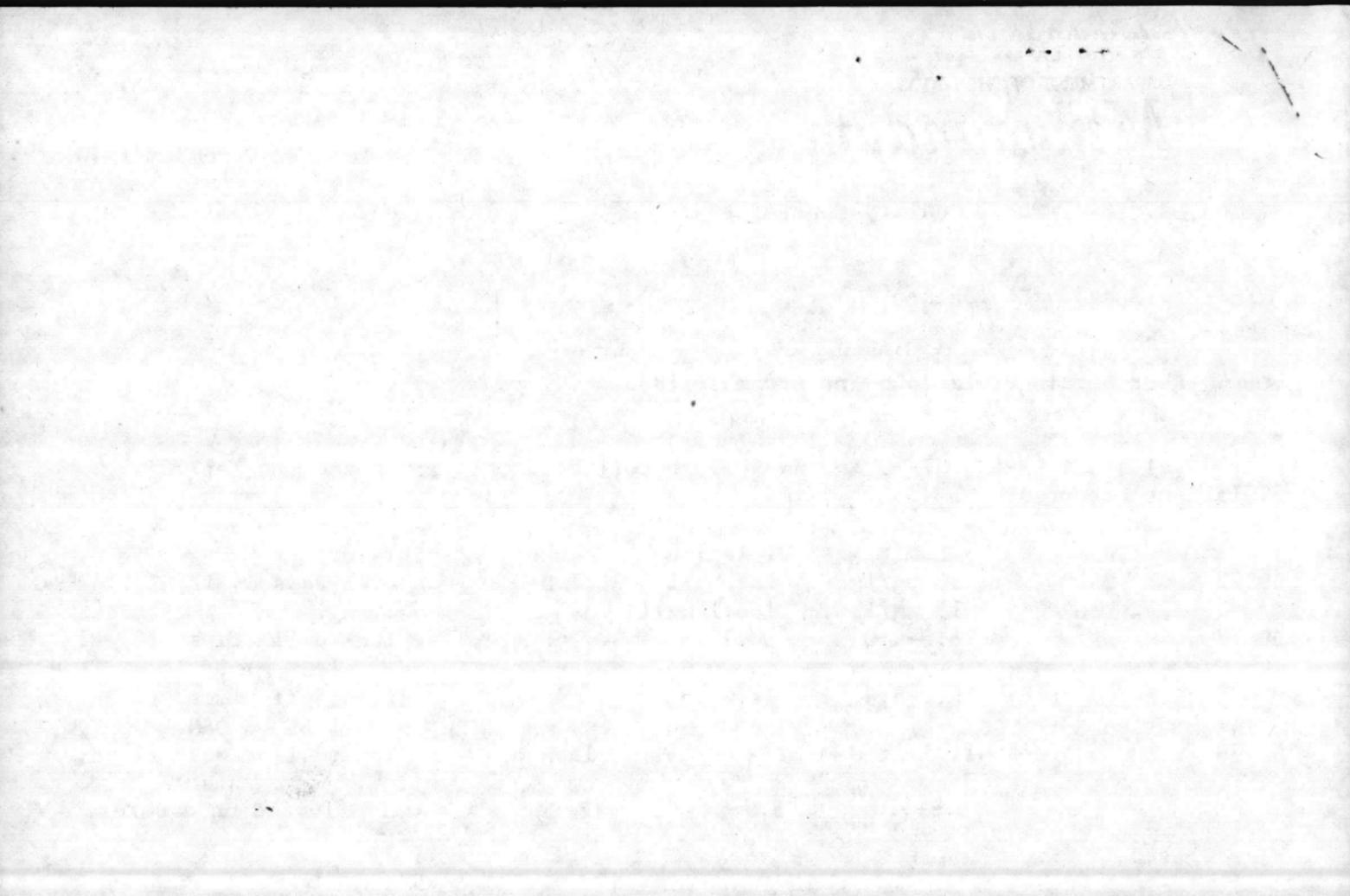
FROM: Ms. Betz, Water Quality Control Lab.

TO: Mr. Sharpe, Ecologist

SUBJ: Storm Drain Violations for December 1980

Storm Drains 50, 59-65, 67-80 and 89-90 were collected this month and the following violations occurred:

	Parameter	Limit	Violation	Date	History
SD 73	SS	50 mg/l	189 mg/l	11 Dec	Never Passed; 12 SS, 14 O&G
" "	O&G	15 mg/l	168.1 mg/l	"	
SD 77	pH	6.0-9.0	10.3	"	Flunked 11 times; 10 pH, 1 SS
SD 79	pH	6.0-9.0	11.0	"	Flunked 11 times; 11 pH, 1 SS, 3 O&G
SD 79	Has been eliminated			15 Dec	Flunked 11 times; 11 pH, 6 SS, 1 O&G
SD 90	pH	6.0-9.0	5.9	17 Dec	Only flunked once before, pH



DEPARTMENT OF THE NAVY

# Memorandum

DATE: 6 January 1981

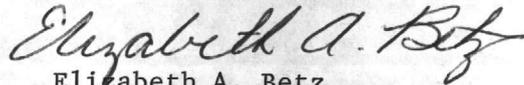
FROM Ms. Betz, Water Quality Control Lab., N. R. E. A. Div.

TO Mr. Sharpe, Ecologist, N. R. E. A. DIV.

SUBJ Monthly Report

ENCL NEPSS Monthly Wastewater Monitoring Record-For STPs

1. The enclosure, the monthly report, is submitted for release to LANT DIV.
2. In the cover letter that will accompany the enclosure something has to be said about SD 70 at the Rifle Range. When collection had been attempted of that storm drain on 15 Dec 1980 the usual effluent, from the steam plant, of the drain had been diverted to the Rifle Range Sewage Treatment Plant. Therefore no sample was collected for SD 70 for the 4<sup>th</sup> quarter of 1980.
3. A determination as to whether the storm drain can be officially eliminated needs to be made.



Elizabeth A. Betz  
Supervisory Chemist

6 JANUARY 1981

Mr. Beck, Water Quality Control Lab., N. R. E. A. DIV.

Mr. Shanks, Ecologist, N. R. E. A. DIV.

Monthly Report

ENCLOSURE: WASTEWATER MONITORING REPORT FOR 1980

1. The enclosure, the monthly report, is submitted for release to IAWQ DIV.

2. In the cover letter that will accompany the enclosure containing has to be said  
also 20 V at the Millie Range. When collection had been attempted of that storm drain  
on 12 Jan 1980 the usual effluent, from the cesspit, of the drain had been diverted to  
the Millie Range Sewer Treatment Plant. Therefore the sample was collected for 20 V for  
the 4th quarter of 1980.

3. A determination as to whether the storm drain can be effectively eliminated needs to be  
made.

*Elizabeth A. Beck*  
Elizabeth A. Beck  
Supervisory Chemist

DEPARTMENT OF THE NAVY

# Memorandum

DATE: 23 December 1980

FROM Ms. B. Betz, Water Quality Control Lab., N. R. E. A. Div.

TO Col. Mount, Base Maintenance Officer

SUBJ Storm Drain Violations for December 1980

1. Storm Drains 50, 59-65, 67-80 and 89-90 were collected this month and the following violations occurred:

	Parameter	Limit	Violation	Date
SD 73	<i>LOCATION</i> TSS	50 mg/l	189 mg/l	11 Dec
" "	O&G	15 mg/l	168.1 mg/l	"
SD 77	pH	6.0-9.0	10.3	11 Dec
SD 79	pH	6.0-9.0	11.0	11 Dec
SD 70	No Water-Construction			15 Dec
SD 90	<i>REGIMENTAL AREA #1 CROSS ST.</i> pH	6.0-9.0	5.9	17 Dec

Storm Drain 70 had been the effluent from the Stream Plant at the Rifle Range. The effluent, however, has been diverted into the Rifle Range Sewage Treatment Plant.

*Elizabeth A. Betz*  
Elizabeth A. Betz  
Supervisory Chemist

Ms. B. B. B. Water Quality Control Lab., E. R. A. Riv.

Col. N. B. B. Base Maintenance Officer

Storm Drain Violations for December 1980

I. Storm Drains 50, 59-65, 68-80 and 89-90 were collected this month and the following violations occurred:

Storm Drain	Parameter	Limit	Violation	Date
SD 53	TSS	50 mg/l	100 mg/l	11 Dec
" "	OCG	15 mg/l	100.1 mg/l	" "
SD 77	pH	6.0-9.0	10.3	11 Dec
SD 79	pH	6.0-9.0	11.0	11 Dec
SD 70	No Water-Construction			13 Dec
SD 90	pH	6.0-9.0	2.9	14 Dec

Storm Drain 70 had been the effluent from the Stream Plant at the Rite Range. The effluent, however, has been diverted into the Rite Range Sewage Treatment Plant.

*Elizabeth A. Bell*  
 Elizabeth A. Bell  
 Advisory Chemist

DEPARTMENT OF THE NAVY

# Memorandum

DATE: 23 December 1980

FROM **Ms. Betz, Water Quality Control Lab., N. R. E. A. Div.**TO **Col. Mount, Base Maintenance Officer**SUBJ **Storm Drain Violations for December 1980**

1. Storm Drains 50, 59-65, 68-80 and 89-90 were collected this month and the following violations occurred:

	Parameter	Limit	Violation	Date
SD 73	TSS	50 mg/l	189 mg/l	11 Dec
" "	O&G	15 mg/l	168.1 mg/l	"
SD 77	pH	6.0-9.0	10.3	11 Dec
SD 79	pH	6.0-9.0	11.0	11 Dec
SD 70	No Water-Construction			15 Dec
SD 90	pH	6.0-9.0	5.9	17 Dec

Storm Drain 70 had been the effluent from the Stream Plant at the Rifle Range. The effluent, however, has been diverted into the Rifle Range Sewage Treatment Plant.

*Elizabeth A. Betz*  
**Elizabeth A. Betz**  
 Supervisory Chemist

13 December 1950

Mr. Robert Water Quality Control Lab., R. E. A. Div.

Col. Moore, East Tennessee State

State Plant Violations for December 1950

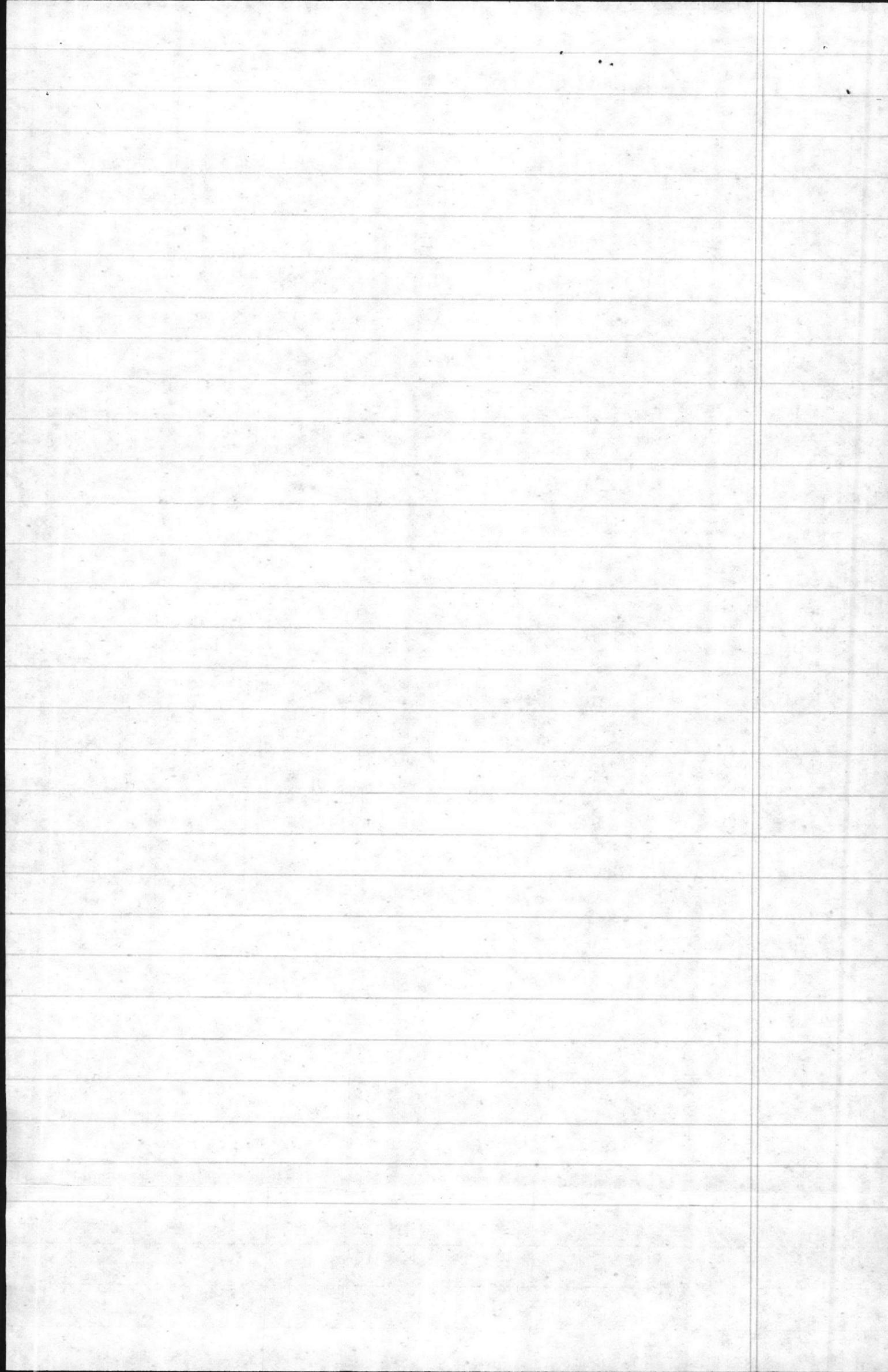
1. State Plant No. 20-25, 26-27, 28-29 and 30-31 were collected this month and the following violations occurred:

Date	Violation	Limit	Parameter	SP No.
11 Dec	139 mg/l	50 mg/l	TSS	SP 23
	188.1 mg/l	15 mg/l	0-6	0
11 Dec	10.3	5.0-9.0	PH	SP 27
11 Dec	11.0	5.0-9.0	PH	SP 29
12 Dec			No Water-Conservation	SP 26
12 Dec				SP 28

State Plant No. 20 had been the plant from the Green Plant at the Little Range. The effluent, however, has been diverted into the Little Range Sewer Treatment Plant.

Richard A. Bell  
Superintendent

	TSS	OCG	PH
20	1 (1)		IIII (4)
25			IIII (6)
31		1 (1)	IIII (5)
42	III (3)	1 (1)	IIII (4)
47	IIII (5)	IIII (4)	IIII IIII (9)
51	II (2)		
58	IIII (5)	III (3)	
70	IIII (6)	1 (1)	IIII IIII (11)
73	IIII IIII (11)	IIII IIII (13)	
75	II (2)	II (2)	
77	1 (1)		IIII IIII (9)
79	1 (1)	III (3)	IIII IIII (10)
83	1 (1)		



28

NPDES PERMIT No. NC0003239 DISCHARGE VIOLATIONS FOR THE PERIOD SEPT., OCT., NOV, 1980

15

MONITORING STA.  
OR STORM DRAIN  
NUMBER

LOCATION

Map

9 10 19 20 30 31 37 78 LOCATION

50 55 57 60 65 70 80 85 EFFLUENT FROM PAR

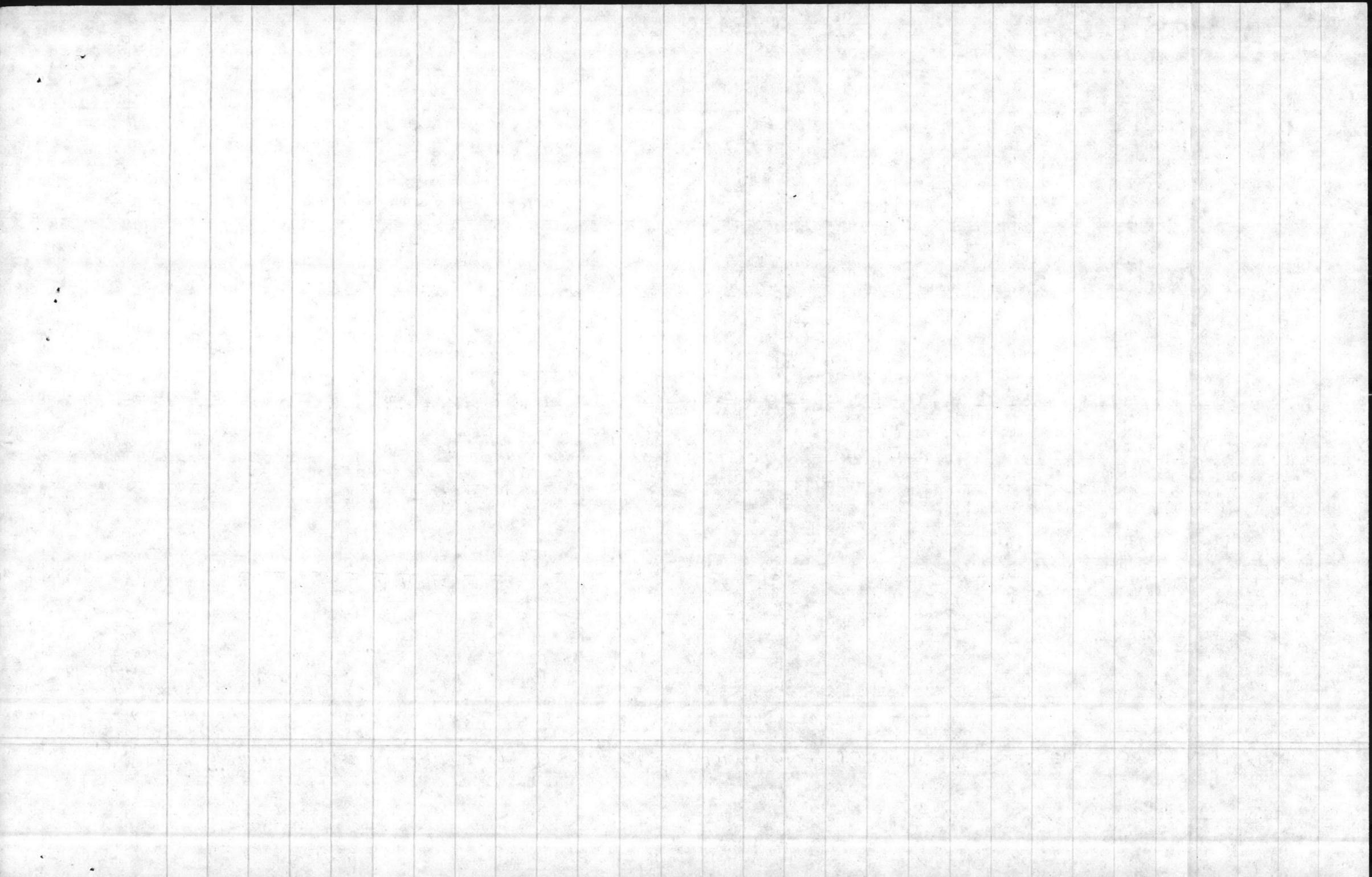
88 90 98 100 109 110 119 120 AMETER LIMITS VALUE DATE

130 138 FLUNK

1510  
1000

100

1/3



LOCATION  
14  
MAP

18  
LOCATION

6  
15  
MONITORING STA.  
OR STORM DRAIN  
NUMBER

EFFLUENT FROM

9  
PARAMETER

7  
LIMITS

4  
VALUE

6  
DATE

HISTORY

LOCATION	LOCATION	MONITORING STA. OR STORM DRAIN NUMBER	EFFLUENT FROM	PARAMETER	LIMITS	VALUE	DATE	HISTORY
MONTFORD POINT	AREA No. 3	SD* 20	STEAM PLANT	PH	6.0-9.0	9.7	20 Nov	3 1
	AREA No. 2	SD 25	STEAM PLANT	PH	6.0-9.0	9.8	20 Nov	3 1
MIDWAY PARK	HOLCOMB BLVD BY MAIN GATE	SD 31	WATER PLANT	PH	6.0-9.0	9.8	6 OCT	3 2
HADNOT POINT	BEHIND CENTRAL MC EXCHANGE	SD 42	GREASE RACK * + COAL PILE	TSS	50 mg/l	399.0	24 Nov	3 2
	SUPPLY + INDUST. AREA - LOUIS RD	SD 47	STEAM WASH RACKS, GREASE RACKS,*	TSS	50 mg/l	112.6	24 Nov	3
		SD 47	STEAM PLANT	OTC	15 mg/l	40.8	24 Nov	
		SD 47		PH	6.0-9.0	10.1	24 Nov	
	REG. AREA #1 RIVER ROAD	SD 51	PARKING LOTS	TSS	50 mg/l	59.5	15 SEP	2
				TSS	50 mg/l	69.0	18 OCT	2
	REG. AREA #4 RIVE ROAD	SD 58	PARKING LOTS	PH	6.0-9.0	10.7	22 SEP	1
		SD 70	STEAM PLANT	TSS	50 mg/l	206.3	11 SEP	2
RIFLE RANGE	PISTOL RANGE	SD 73	GREASE RACKS	OTC	15 mg/l	76.9	11 SEP	
COURTHOUSE BAY	AMTRAC AREA	SD 73		TSS	50 mg/l	376.	11 SEP	2
		SD 75	WASH RACKS, GREASE RACKS	OTC	15 mg/l	4714.7	11 SEP	
		SD 75		PH	6.0-9.0	9.4	11 SEP	2
	MC ENGINEER SCHOOL - MESS HALL	SD 77	STEAM PLANT WATER PLANT	PH	6.0-9.0	10.5	11 SEP	
		SD 79	STEAM PLANT	TSS	50 mg/l	53.0	17 Nov	2
ONSLQW BEACH	BY STEAM PLANT	SD 83	RUNWAY + FIRE FIGHTING AREA					
AIR STATION	END OF INSTRUMENT RUNWAY							

2,9  
25  
11  
14  
12  
11  
11

5-3-14-3-18-3-9-3-7-3-6-3-6  
25 30 28 98

5-3-14-3-20-3-9-3-7-3  
8 22 25 45 48 57 60 67 80

103  
130  
120  
17

\* STORM DRAIN  
\*\*  
55 85  
15  
70  
55  
90

5-14-20-7-9-7-6-6  
3 3 3 3 3  
50 20 20

23 DEC.

FROM: Ms. BETZ, WATER Q.C. LAB

TO: Mr. WOOTEN, DIRECTOR, N. R. E. A. DIV.

SUBJ: QUARTERLY VIOLATIONS

ENCL(1), TABLE OF VIOLATIONS

(2).

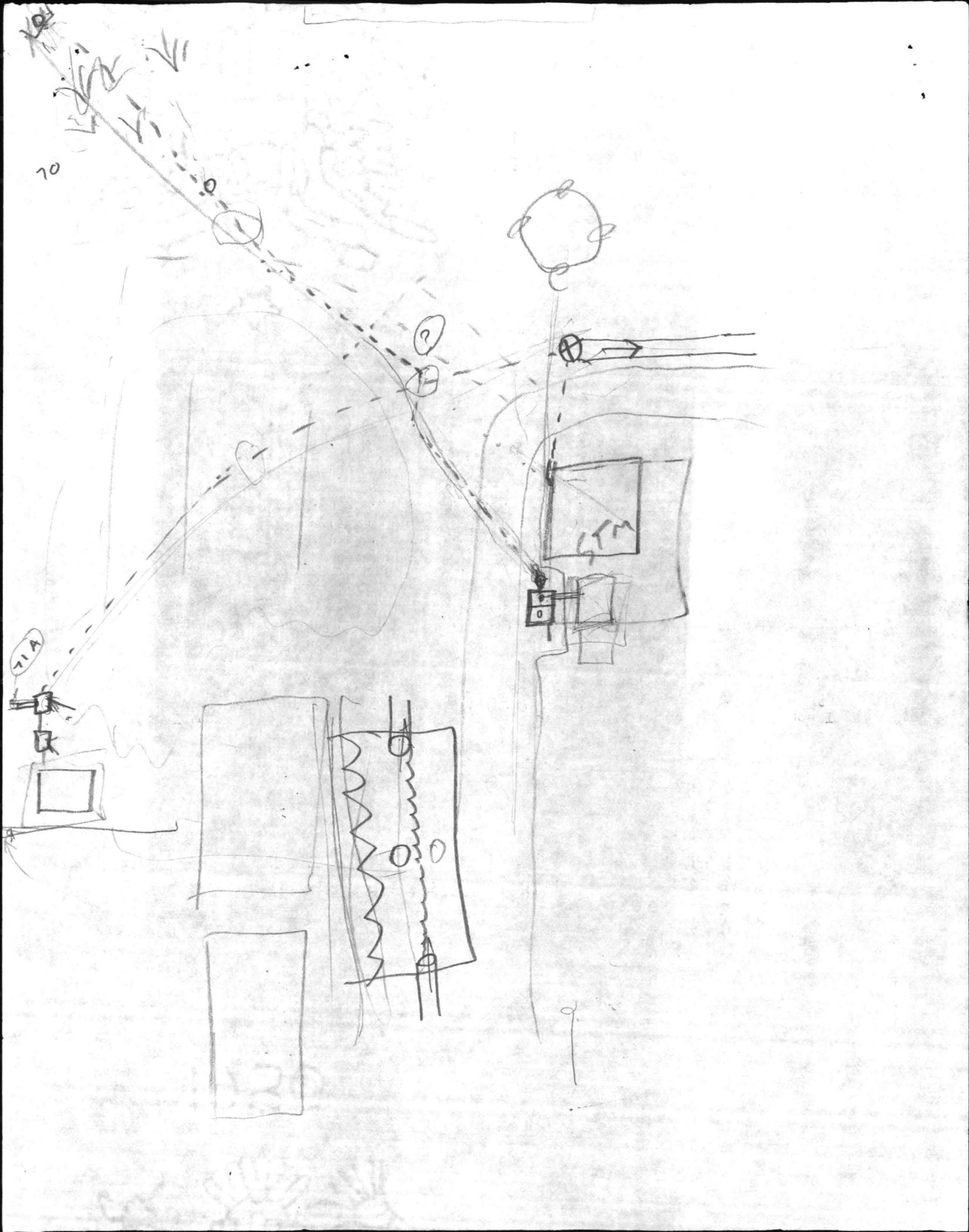
1. ENCLOSE<sup>(1)</sup> IS A COPY OF THE LIST OF VIOLATIONS FOR THE QUARTERLY REPORT FOR YOU TO SUBMIT TO THE COLONEL. SO HE CAN LOOK OVER IT BE HE NEEDS TO SIGN THE QUARTERLY REPORT COVER LETTER.

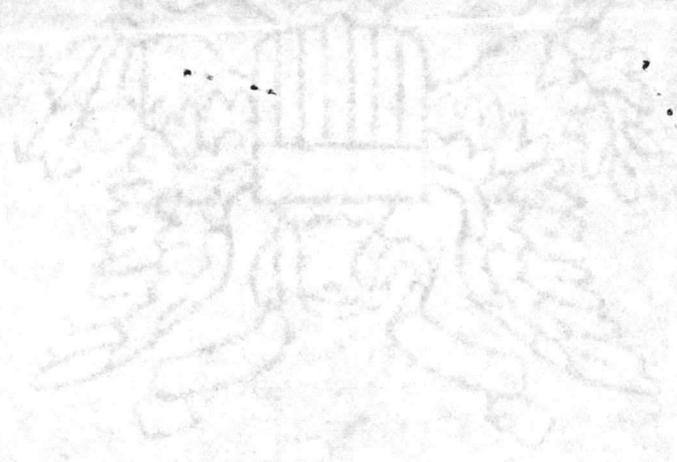
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FROM: Ms BETZ, WATER Q.C. LAB NREA DIV 23 DEC.

TO: COLONEL MOUNT, BASE MAINT. OFFICER,

SUBJ: Storm DRAIN VIOLATIONS FOR DECEMBER 1980





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1950

