



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30304, AEL: SST

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

DEC 07 1977

Commanding General  
United States Marine Corps  
Marine Corps Base  
Camp Lejeune, North Carolina 38542

Re: NPDES Permit Modification  
for the Camp Lejeune  
NPDES Permit # NC0003239

Dear Sir:

Enclosed please find a proposed modification to the previously issued National Pollutant Discharge Elimination System permit for the above referenced facility.

In accordance with the Environmental Protection Agency regulations found in 40 CFR 125 (as amended July 24, 1974 39FR27078), this modification will become effective on the date noted in the modification, provided that no request for an adjudicatory hearing is filed with the Agency. In the event that such a request is filed, the contested provisions of the modification itself will be stayed and will not become effective until the administrative review process is complete. All uncontested portions of the modification will be considered operative on the effective date and must be complied with by the facility.

If you wish an adjudicatory hearing, a request must be submitted to the Regional Hearing Clerk within 10 days from receipt of this letter. The request will be timely if mailed by Certified Mail within the ten (10) day period. For the request to be valid, it must conform to the requirements of 40 CFR 125.36(b) as noted above.

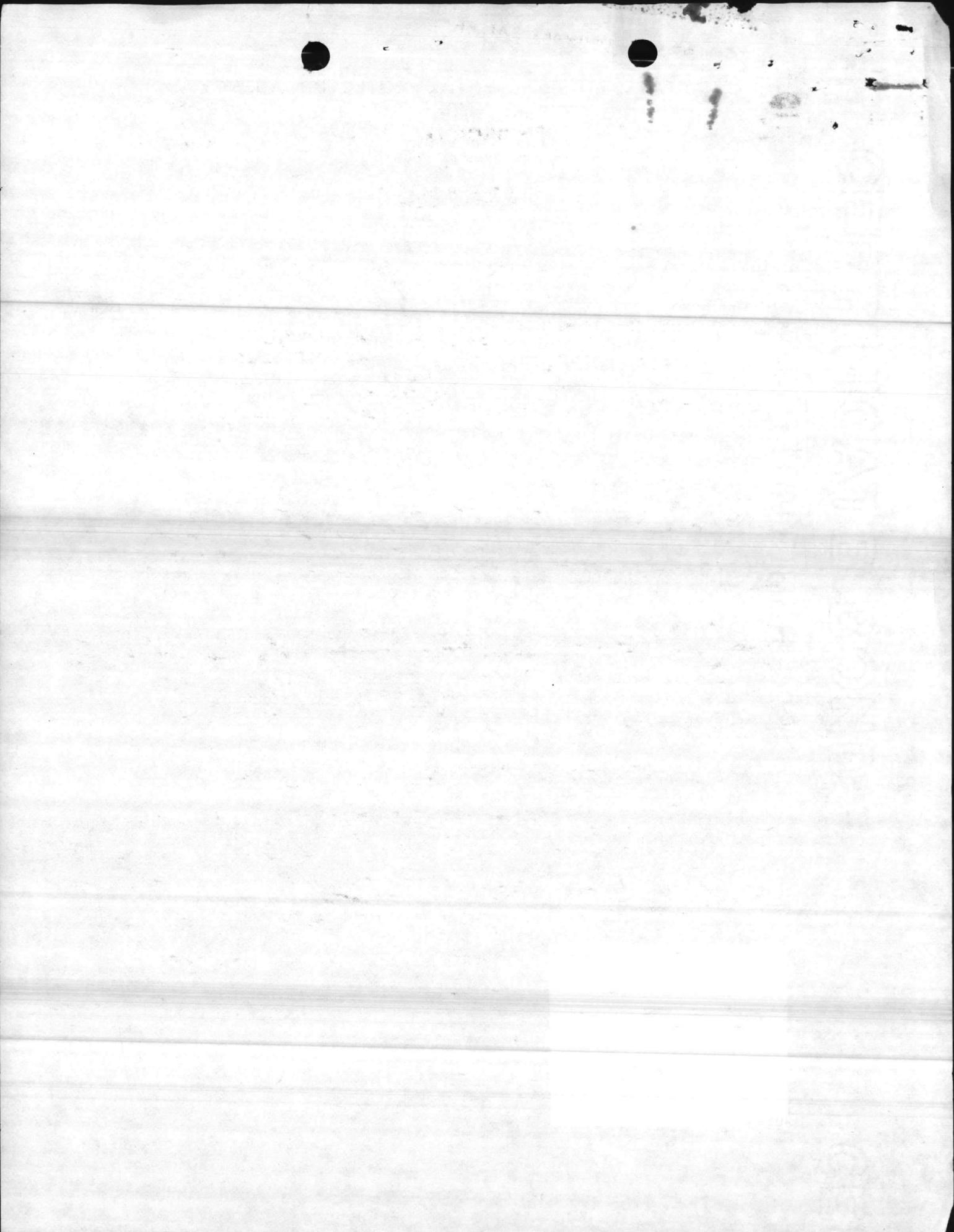
If you have any questions, please contact Ms. Sara S. Turnipseed at 404/881-3506.

*File  
Permit File  
NPDES Permit  
jlu*

Sincerely,

Paul J. Traina  
Director  
Enforcement Division

Enclos





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30308, AEL:SST

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DEC 07 1977

Commanding General  
United States Marine Corps  
Marine Corps Base  
Camp Lejeune, North Carolina 38542

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for the Camp Lejeune  
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In accordance with the Environmental Protection Agency regulations found in 40 CFR 125 (as amended July 24, 1974 39FR27078), this modification will become effective on the date noted in the modification, provided that no request for an adjudicatory hearing is filed with the Agency. In the event that such a request is filed, the contested provisions of the modification itself will be stayed and will not become effective until the administrative review process is complete. All uncontested portions of the modification will be considered operative on the effective date and must be complied with by the facility.

If you wish an adjudicatory hearing, a request must be submitted to the Regional Hearing Clerk within 10 days from receipt of this letter. The request will be timely if mailed by Certified Mail within the ten (10) day period. For the request to be valid, it must conform to the requirements of 40 CFR 125.36(b) as noted above.

If you have any questions, please contact Ms. Sara S. Turnipseed at 404/881-3506.

Sincerely,

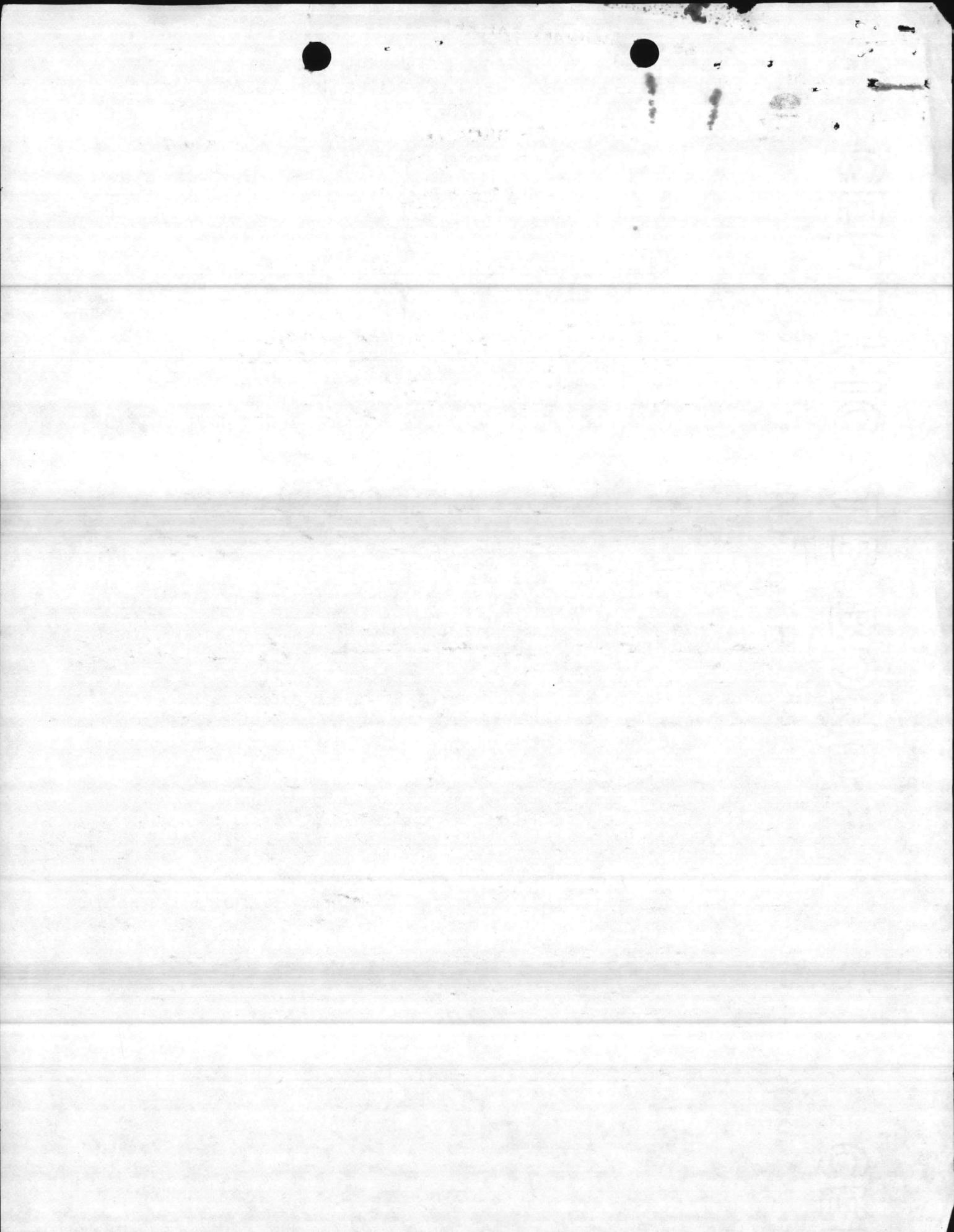
A handwritten signature in cursive script that reads "Paul J. Traina".

Paul J. Traina

Director

Enforcement Division

Enclosures





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30308

NOTICE OF NPDES PERMIT MODIFICATION DETERMINATIONS

Federal Facility: U.S.M.C. Camp Lejeune  
Location: Onslow County, North Carolina  
NPDES Permit No.: NC0003239  
Permit Effective Date: February 13, 1976  
Modification Effective Date: DEC 05 1977

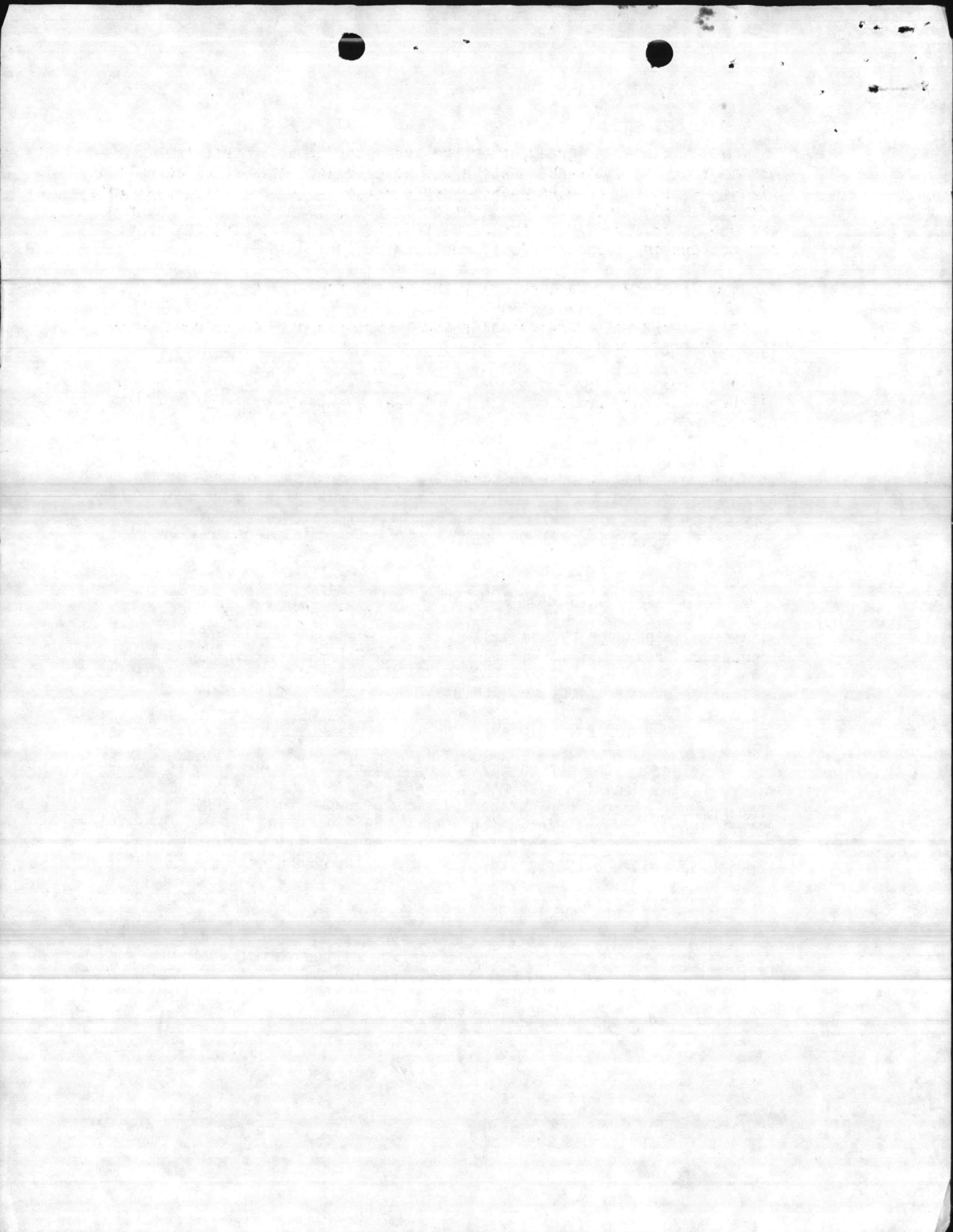
After due consideration of the facts applicable to the above-named facility and the requirements and policies expressed in the Federal Water Pollution Control Act and appropriate regulation, I have determined that the National Pollutant Discharge Elimination System permit should be modified in accordance with the tentative determinations previously announced.

The modification to the permit will be effective on the date given above provided that no request for an adjudicatory hearing and/or legal decision is granted by the Agency. If such a request is granted, all contested provisions of the modification will be stayed pending final Agency action. All uncontested provisions of the modification will become effective on the effective date given above.

REQUEST FOR ADJUDICATORY HEARING AND/OR LEGAL DECISION

Any interested person may submit a request for an adjudicatory hearing and/or legal decision within ten (10) days of the receipt of this notice. The request and two copies thereof must be submitted to the Regional Hearing Clerk, Environmental Protection Agency, 345 Courtland Street, N.E., Atlanta, Georgia 30308. The submission of the request will be within the time period if mailed by Certified Mail before the tenth day. The request must:

- (i) State the name and address of the person making such request;
- (ii) Identify the interest of the requestor which is affected by the proposed issuance, denial or modification of the permit contained in the determination of the Regional Administrator;
- (iii) Identify any persons whom the request represents;



(iv) Include an agreement by the requestor to be subject to examination and cross-examination and to make any employee or consultant of such requestor or other person represented by the requestor available for examination and cross examination at the expense of such requestor or such other person upon the request of the Presiding Officer, on his own motion, or on the motion of any party;

(v) State with particularity the reason for the request;

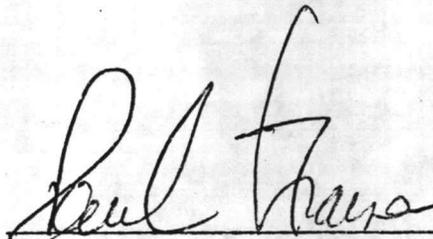
(vi) State with particularity the issues proposed to be considered at the hearing; and

(vii) Include proposed terms and conditions which, in the judgement of the requestor, would be required to carry out the intendment of the Act.

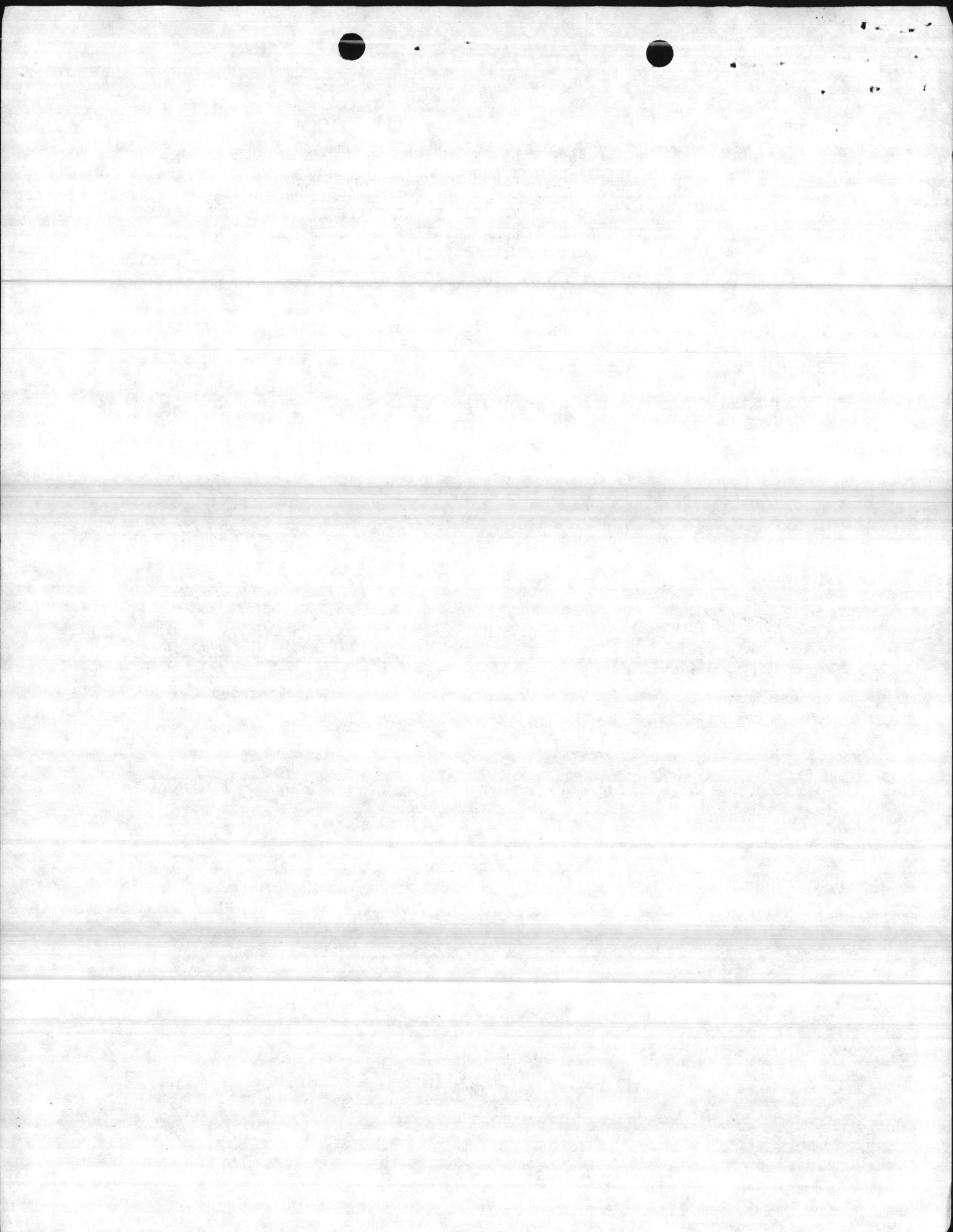
Additional information on adjudicatory hearings and legal decisions is found at Title 40 Code of Federal Regulations, Section 125.36, 39, Federal Register 27081.

DEC 05 1977

DATE



Paul J. Traina, Director  
Enforcement Division



**AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM**

In compliance with the provisions of the Federal Water Pollution Control Act, as amended,  
(33 U.S.C. 1251 et. seq; the "Act"),

U.S. Marine Corps Base  
Camp Lejeune

is authorized to discharge from facilities located at:

Camp Lejeune, Onslow County, North Carolina  
Marine Corps Air Station, New River, Onslow County, North Carolina

to receiving waters named Tributaries to:

New River	Stone Creek	Edwards Creek
Courthouse Bay	Brinson Creek	Gillets Creek
Scales Creek	Beaver Dam Creek	Intercoastal Waterway
North East Creek	Wilson Bay	

in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

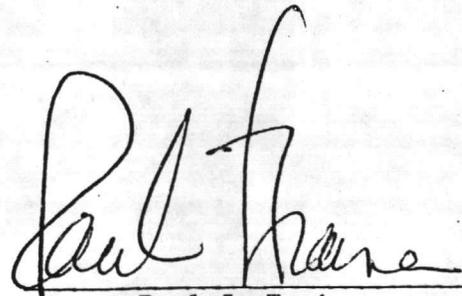
This permit shall become effective on modification effective date.

This permit and the authorization to discharge shall expire at midnight, December 31, 1979.

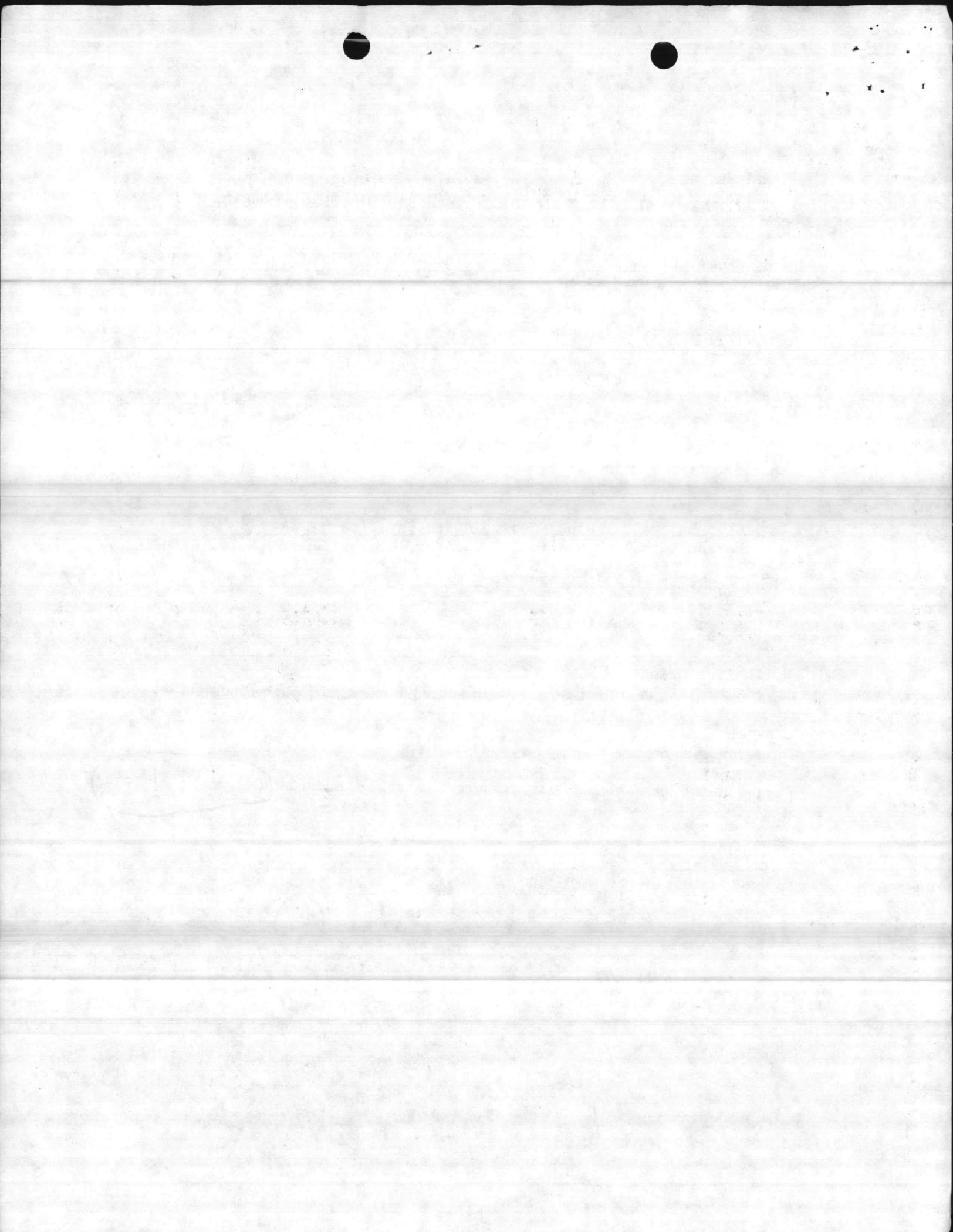
Signed this \_\_\_\_\_ day of \_\_\_\_\_

Modification Effective Date DEC 05 1977

Date Signed DEC 05 1977



Paul J. Traina  
Director  
Enforcement Division



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

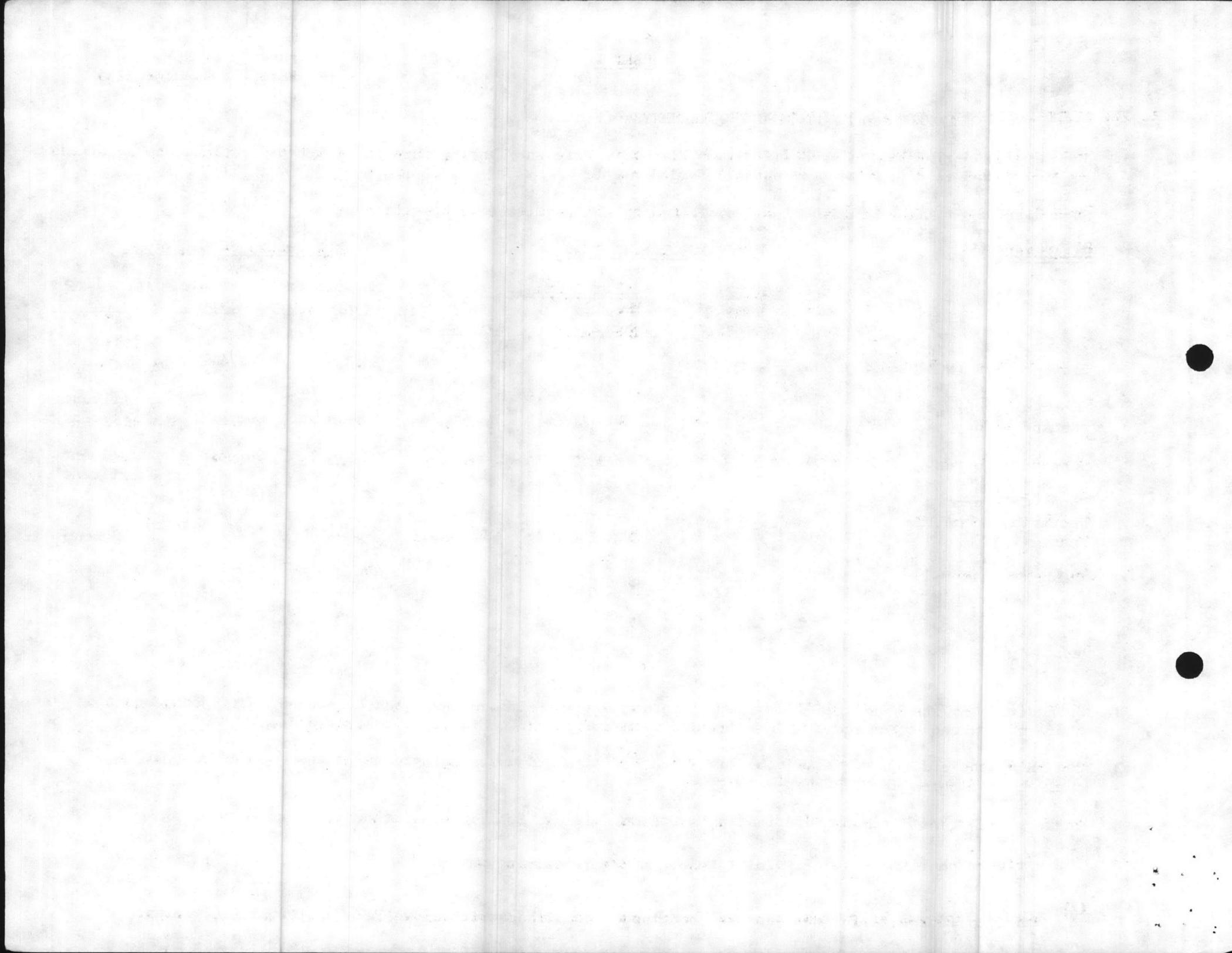
1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 001 - Camp Gieger STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	<u>kg/day(lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Sampling Point</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Monthly Average</u>	<u>Weekly Average</u>			
Flow, M <sup>3</sup> /day (MGD)	6056(1.600)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	181.8(400.6)	272.8(600.8)	30mg/1	45mg/1	2/week	Composite	Influent & Effluent
Suspended Solids	181.8(400.6)	272.8(600.8)	30mg/1	45mg/1	2/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	2/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 2/week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

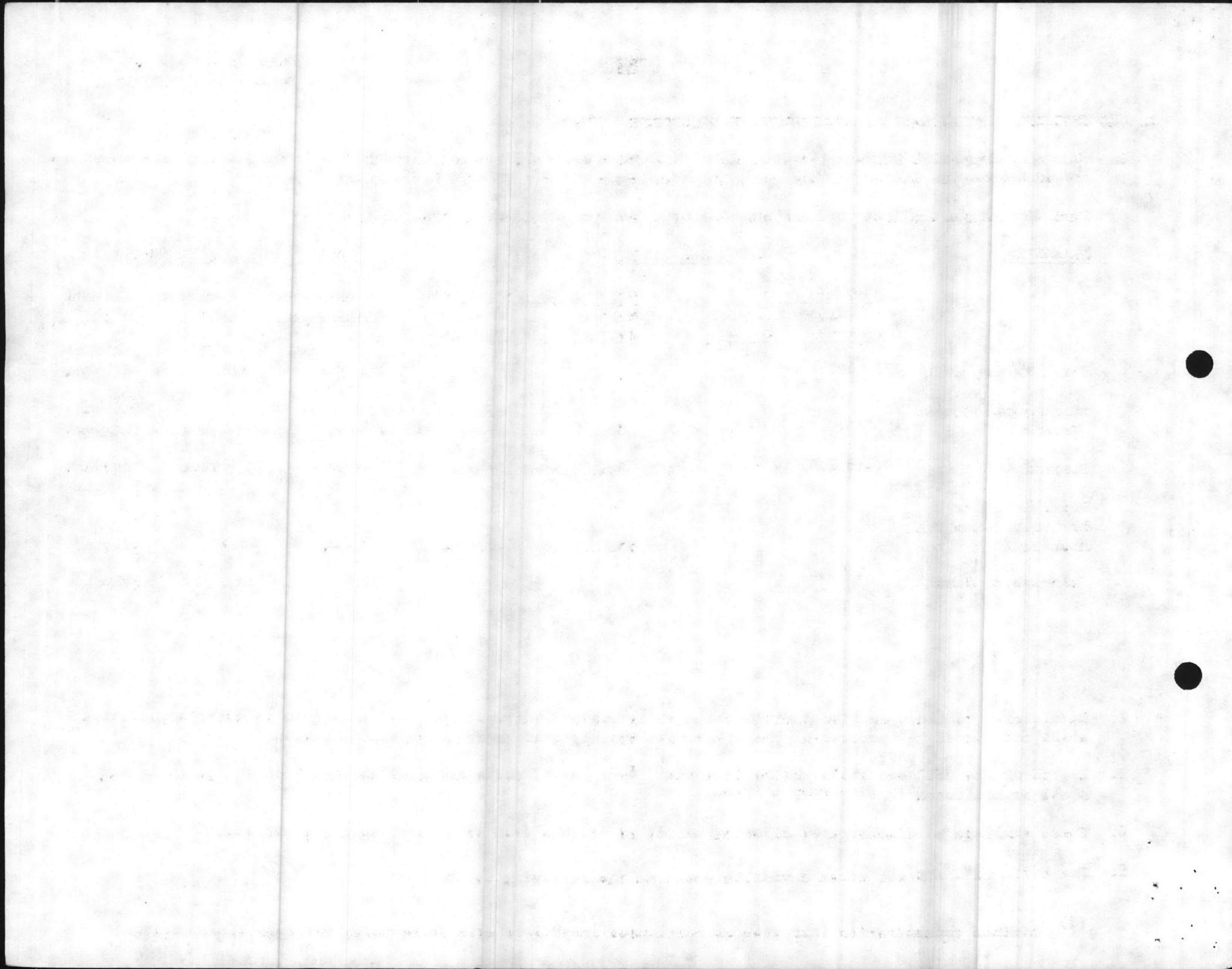
1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 002 - Tarawa Terrance STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	4731(1.25)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	142.1(312.9)	213.1(469.4)	30mg/1	45mg/1	2/week	Composite	Influent & Effluent
Suspended Solids	142.1(312.9)	213.1(469.4)	30mg/1	45mg/1	2/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	2/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 2/week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

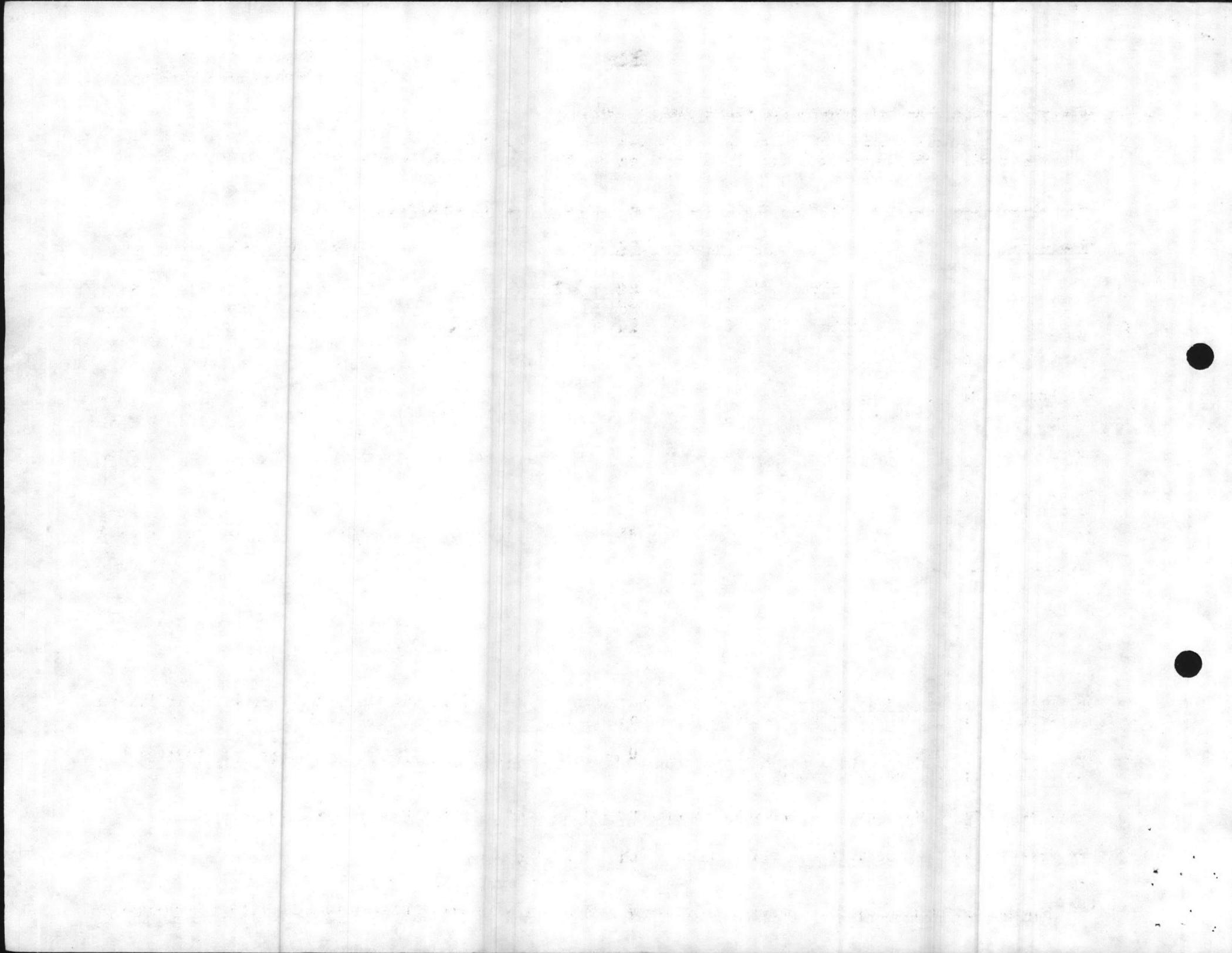
1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 003 - Montfort Point STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	3785(1.00)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	113.6(250.3)	170.5(375.5)	30mg/1	45mg/1	2/week	Composite	Influent & Effluent
Suspended Solids	113.6(250.3)	170.5(375.5)	30mg/1	45mg/1	2/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	2/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 2/week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During the period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 004 Had Not Point STP.

Such discharges shall be limited and monitored by the permittee as specified below:

<u>PARAMETER</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>		
	<u>kg/day(lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Sampling Point</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Monthly Average</u>	<u>Weekly Average</u>			
Flow, M <sup>3</sup> /day (MGD)	30,280(8.00)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	909.3(2002.8)	1362.9(3004.2)	30mg/l	45mg/l	5/week	Composite	Influent & Effluent
Suspended Solids	909.3(2002.8)	1362.9(3004.2)	30 mg/l	45mg/l	5/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	3/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 3/week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above stated Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

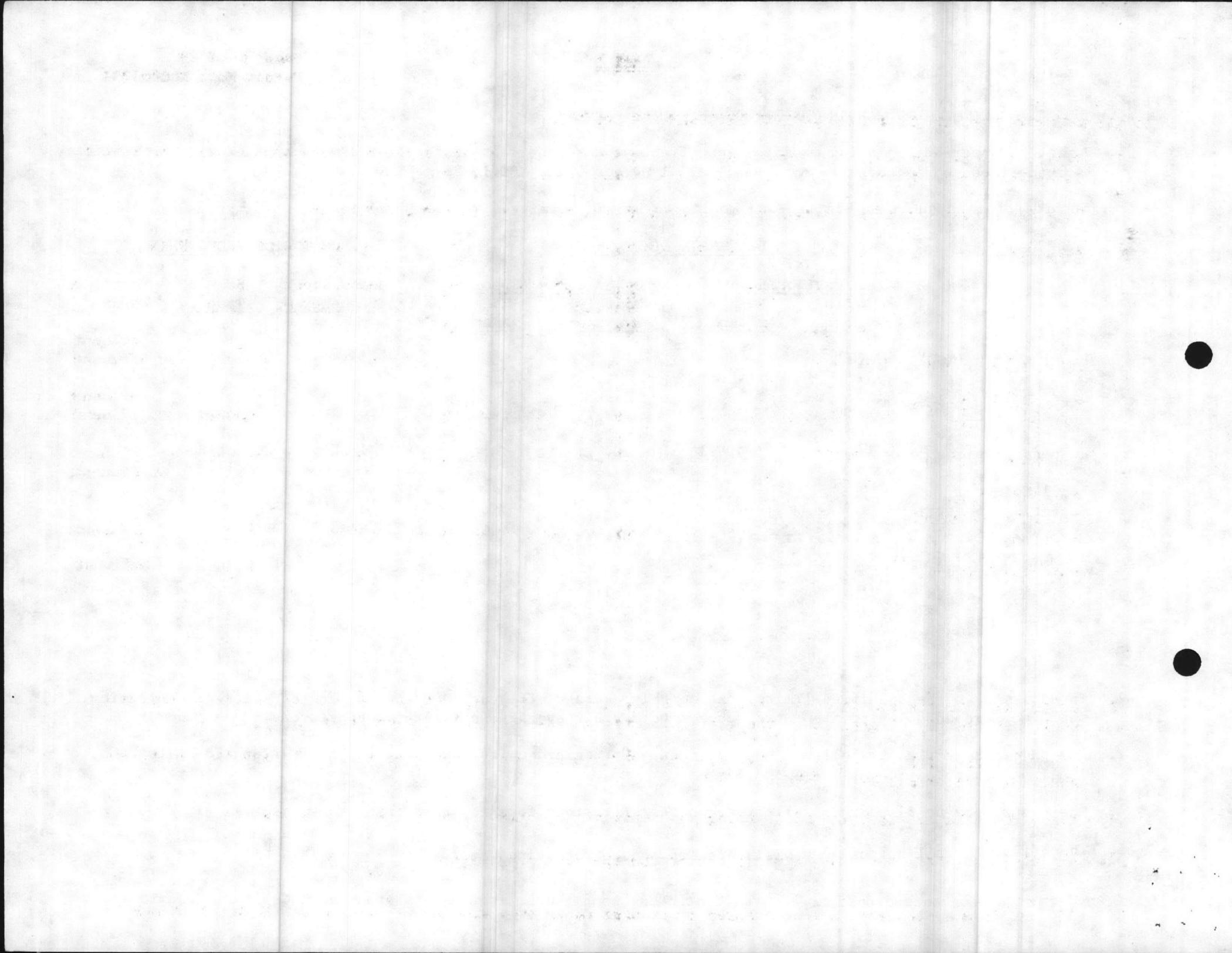
1. During this period beginning modification effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 00 5 Rifle Range STP

Such discharges shall be limited and monitored by the permittee as specified below:

<u>PARAMETER</u>	<u>DISCHARGE LIMITATIONS</u>				<u>MONITORING REQUIREMENTS</u>		
	<u>kg/day(lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>Sampling Point</u>
	<u>Monthly Average</u>	<u>Weekly Average</u>	<u>Monthly Average</u>	<u>Weekly Average</u>			
Flow, M <sup>3</sup> /day (MGD)	1987(0.525)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	59.7(131.4)	89.5(197.1)	30mg/1	45mg/1	1/week	Composite	Influent & Effluent
Suspended Solids	59.7(131.4)	89.5(197.1)	30mg/1	45mg/1	1/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	1/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored By grab sample 1.week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above stated Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 006 - Courthouse Bay STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	1987(0.525)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	59.7(131.4)	89.5(1971.1)	30mg/1	45mg/1	1/week	Composite	Influent & Effluent
Suspended Solids	59.7(131.4)	89.5(1971.1)	30mg/1	45mg/1	1/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	1/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 1/week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.

22  
24  
24



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

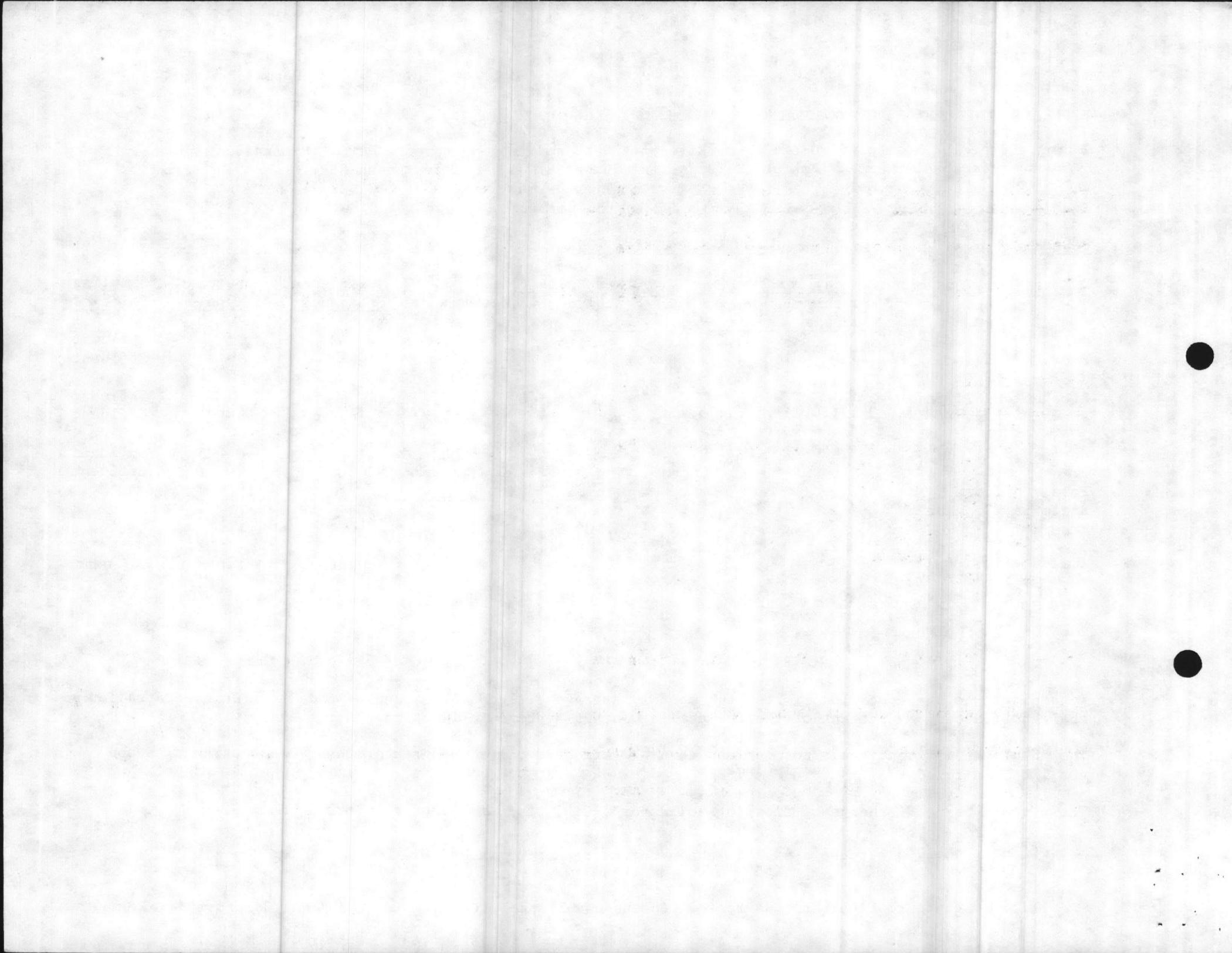
1. During the period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 007 - Onslow Beach STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	757(0.200)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	22.7(50.1)	34.1(75.1)	30 <sub>mg</sub> /l	45 <sub>mg</sub> /l	1/week	Composite	Influent & Effluent
Suspended Solids	22.7(50.1)	34.1(75.1)	30 <sub>mg</sub> /l	45 <sub>mg</sub> /l	1/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	1/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

2. In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
3. The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 1/week.
4. There shall be no discharge of floating solids or visible foam in other than trace amounts.
5. The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above stated Fecal Coliform Requirements.



2. During the period beginning modification effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall(s) serial number(s) (1)

Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements (2)</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	—		mg/l	mg/l		
Suspended Solids			30mg/l	50mg/l		

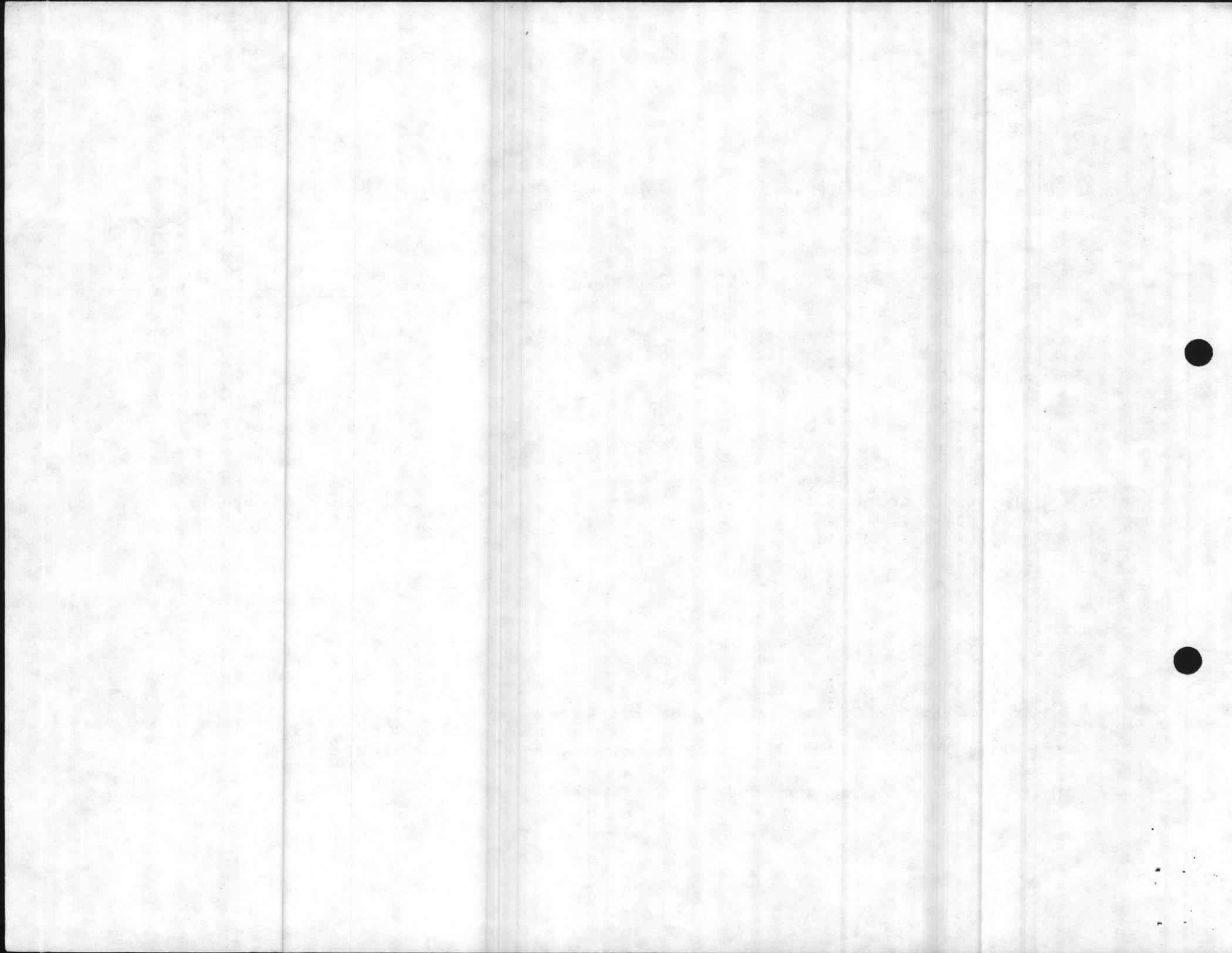
- (1) 008 - Water Treatment Plant (WTP), Hadnot Point
- 009 - WTP, Montford Point
- 010 - WTP, Tarawa Terrace
- 011 - WTP, Courthouse Bay
- 012 - WTP, Rifle Range
- 013 - WTP, Holcomb Boulevard
- 014 - WTP, Onslow Beach
- 015 - WTP, New River

The pH shall not be less than 6.0 standard units nor greater than 10.0 standard units and shall be monitored (2)

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

- (2) Monitoring is not required during this period - see letter of revision 7/21/77



**B. SCHEDULE OF COMPLIANCE**

The permittee shall achieve compliance with the effluent limitations specified for discharges on Page 4 in accordance with the following schedule:

- a. Submit Preliminary Engineering Report - September 30, 1975
- b. Submit Final Engineering Report - December 31, 1975
- c. Complete Final Plans and Specifications - June 30, 1976
- d. Attain Operational Level - July 1, 1977



C. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1), postmarked no later than the 28th day of the month following the completed reporting period. Monitoring Reports shall continue to be submitted as previously provided to the Regional Administrator and the State at the following addresses:

✓  
Environmental Protection Agency  
Water Enforcement Branch  
1421 Peachtree Street, N.E.  
Atlanta, Georgia 30309

✓  
North Carolina Department of  
Natural and Economic Resources  
Post Office Box 27687  
Raleigh, North Carolina 27611

3. Definitions

Definitions of terms relating to monitoring and reporting are contained in Part III A.

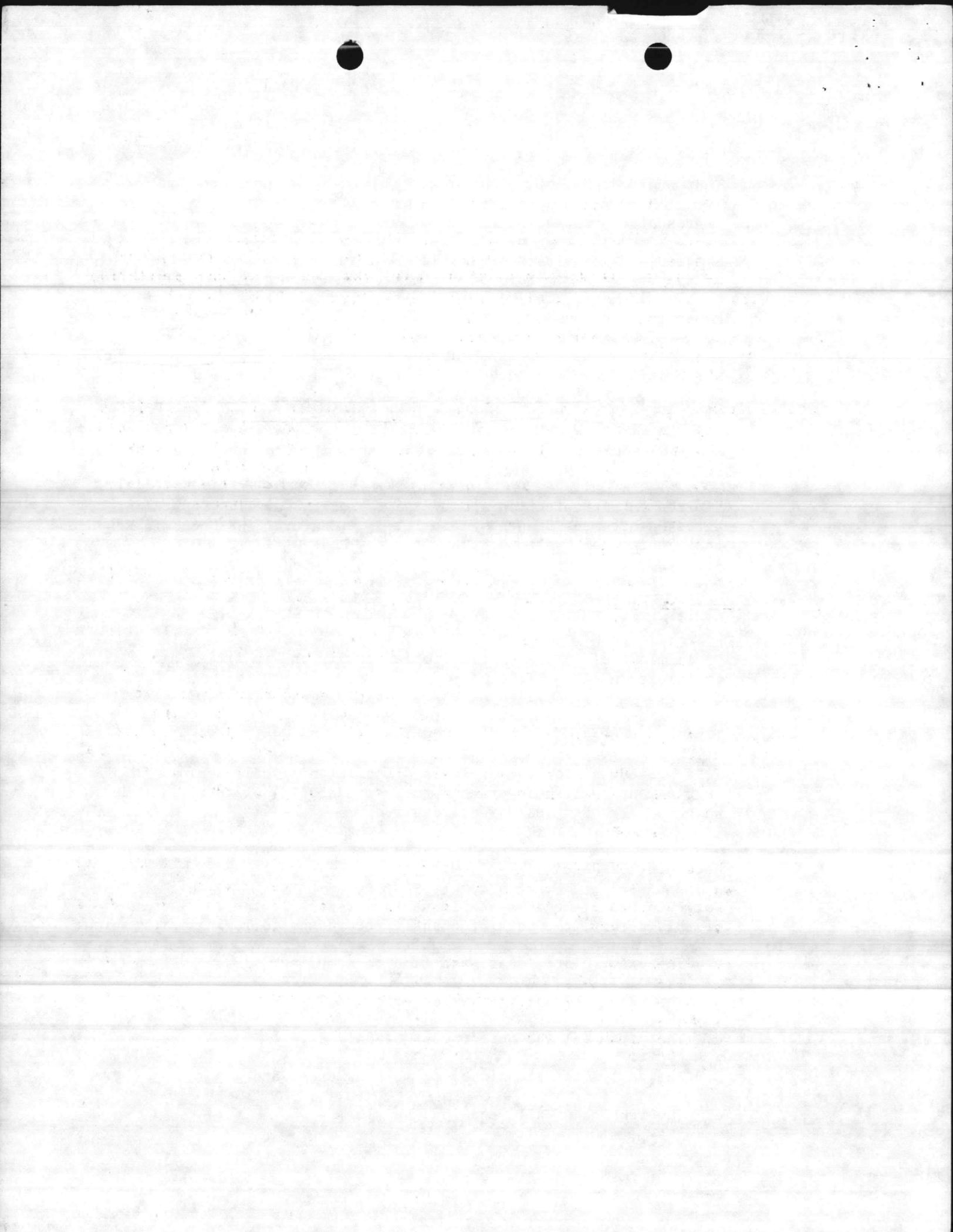
4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Act, under which such procedures may be required.

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses;
- d. The analytical techniques or methods used; and
- e. The results of all required analyses.



## 6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1). Such increased frequency shall also be indicated.

## 7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.

## 8. Location of Sampling Point

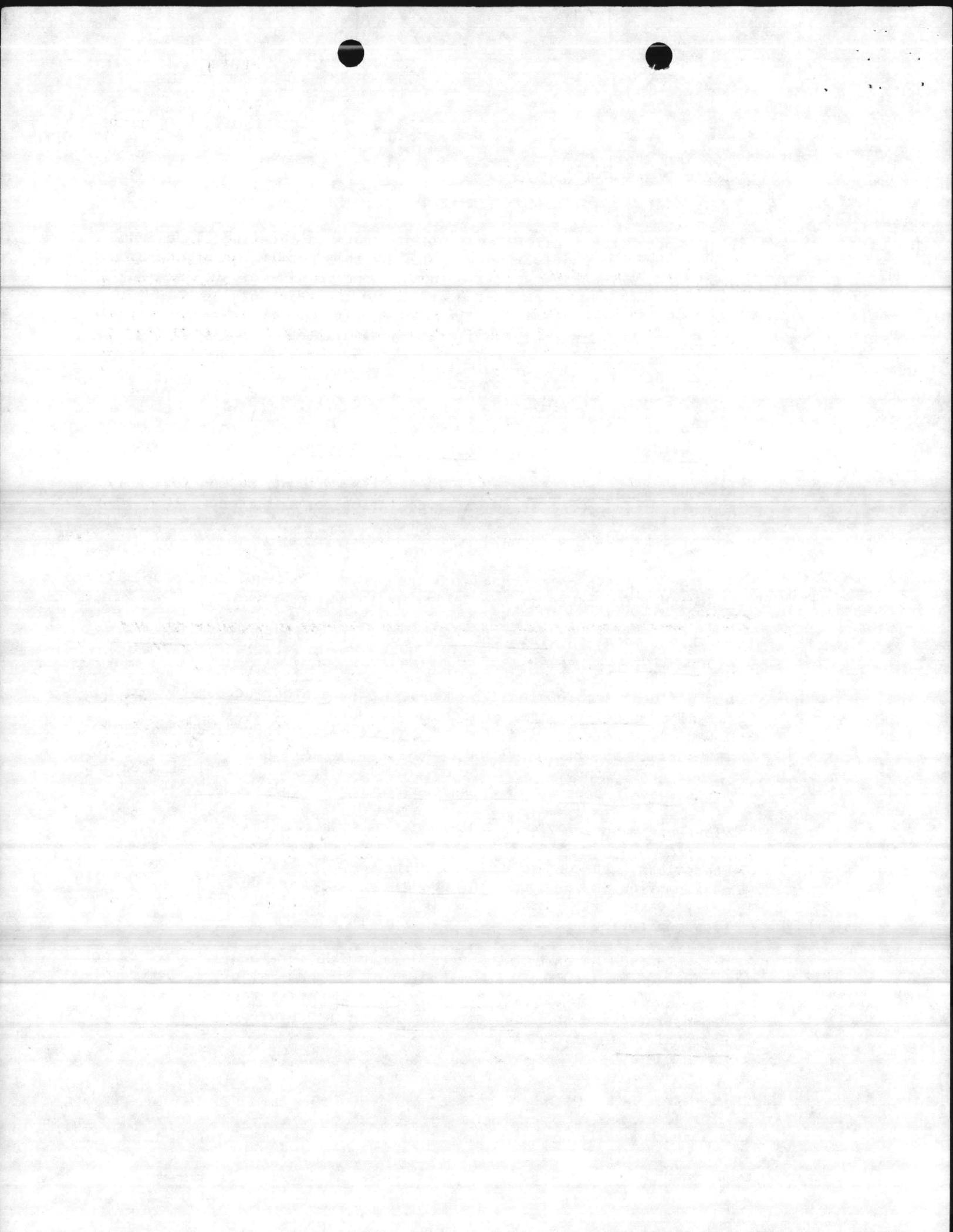
Samples taken in compliance with the monitoring requirements specified above shall be taken at the following locations:

- a. Where required, influent samples shall be taken at a point prior to treatment which is representative of the total flow.
- b. Effluent samples shall be taken at the nearest accessible point after final treatment which is representative of the total flow prior to mixing with the receiving waters, other discharges, or surface runoff. Effluent samples for determination of biochemical oxygen demand taken after disinfection shall be dechlorinated and seeded in accordance with accepted analytical procedures.

## 9. Flow Determination

Where less than continuous monitoring of flow is required and the daily maximum flow is less than 10,000 gallons per day, determination of the daily average flow from total flow may be substituted for the required flow monitoring.

10. Determination of chemical oxygen demand (COD) or Total organic carbon may be substituted for determination of biochemical oxygen demand (BOD) where a long term BOD:COD or BOD:TOC correlation has been demonstrated and such substitution has been approved by the Regional Administrator.



## A. MANAGEMENT REQUIREMENTS

1. *Change in Discharge*

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the permit issuing authority of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. *Noncompliance Notification*

If, for any reason, the permittee does not comply with or will be unable to comply with any daily maximum effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:, except for discharges identified by serial number and those discharges listed in Part III for which treatment has not yet been provided. Non compliance shall be reported quarterly as an attachment to the quarterly monitoring report. The attachment shall include a brief statement describing progress on providing treatment.

(a) A description of the discharge and cause of noncompliance; and

(b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps to reduce, eliminate and prevent recurrence of noncomplying discharge.

3. *Facilities Operation*

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. *Adverse Impact*

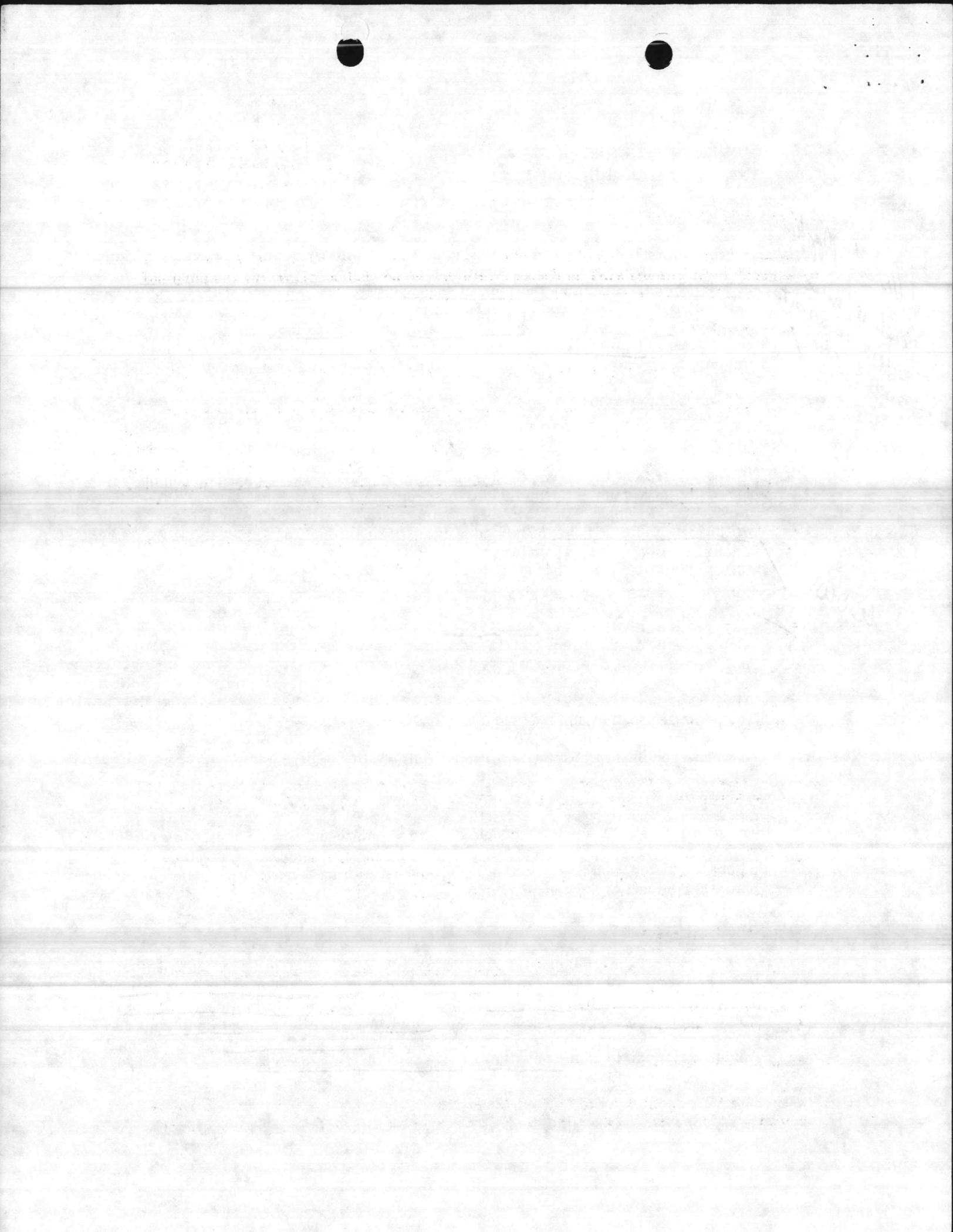
The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. *Bypassing*

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. The permittee shall promptly notify the Regional Administrator and the State in writing of each such diversion or bypass.

*Check Applic  
to industrial/misc  
Tie-ins to SANIT.  
Sewer System*

*wow!*



6. *Removed Substances*

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. *Power Failures*

7  
The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent. Should the treatment works not include the above capabilities at time of permit issuance, the permittee must furnish within six months to the permitting authority, for approval, an implementation schedule for their installing, or documentation demonstrating that such measures are not necessary to prevent discharge of untreated or inadequately treated wastes. Such documentation shall include frequency and duration of power failures and an estimate of retention capacity of untreated effluent.

B. RESPONSIBILITIES

1. *Right of Entry*

The permittee shall allow the Regional Administrator, and/or their authorized representatives, upon the presentation of credentials:

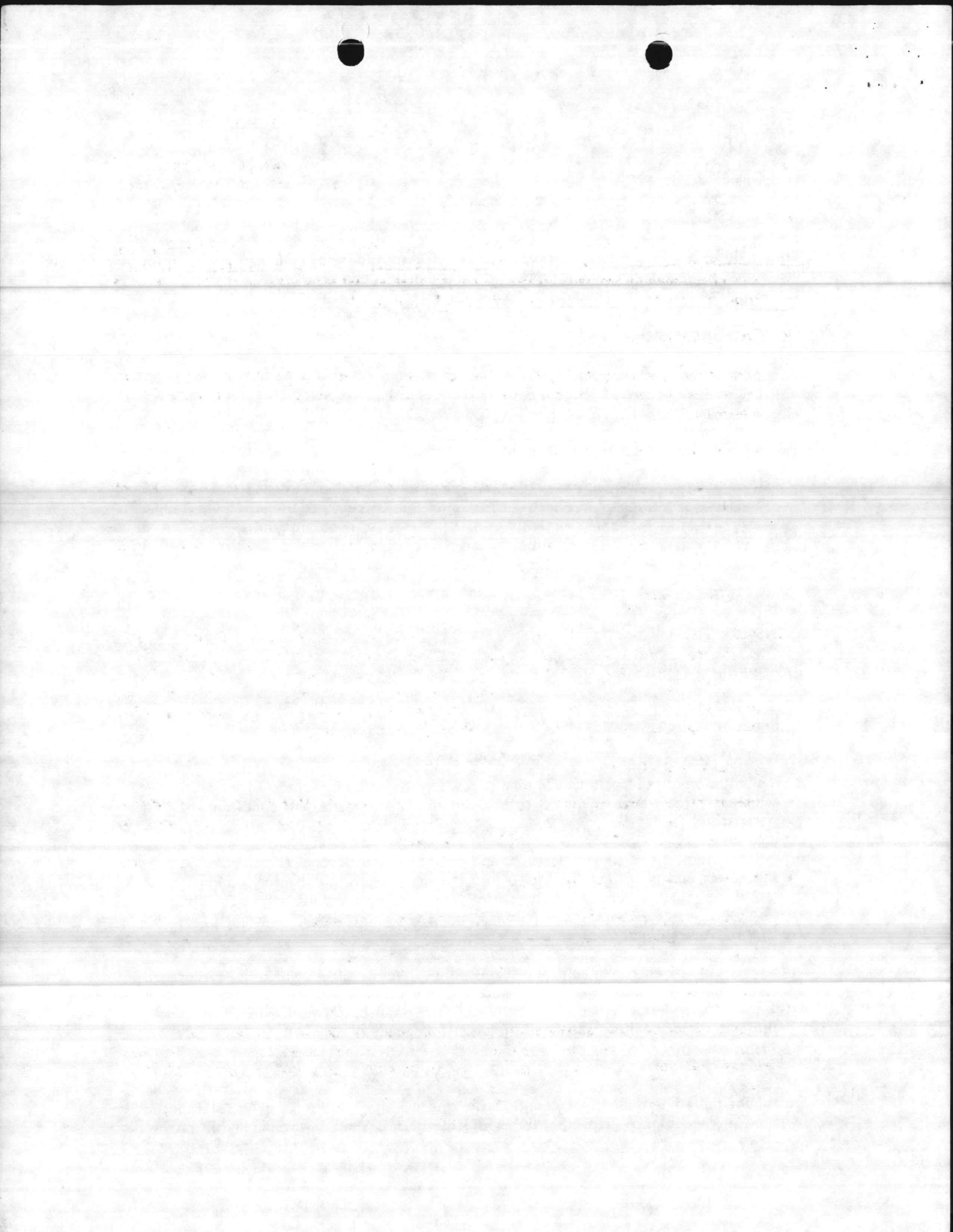
- a. To enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. *Transfer of Ownership or Control*

In the event of any change in control or ownership of facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

3. *Availability of Reports*

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms of this permit shall be available for public



**PART II**

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inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

**4. Permit Modification**

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

**5. Toxic Pollutants**

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

**6. Civil and Criminal Liability**

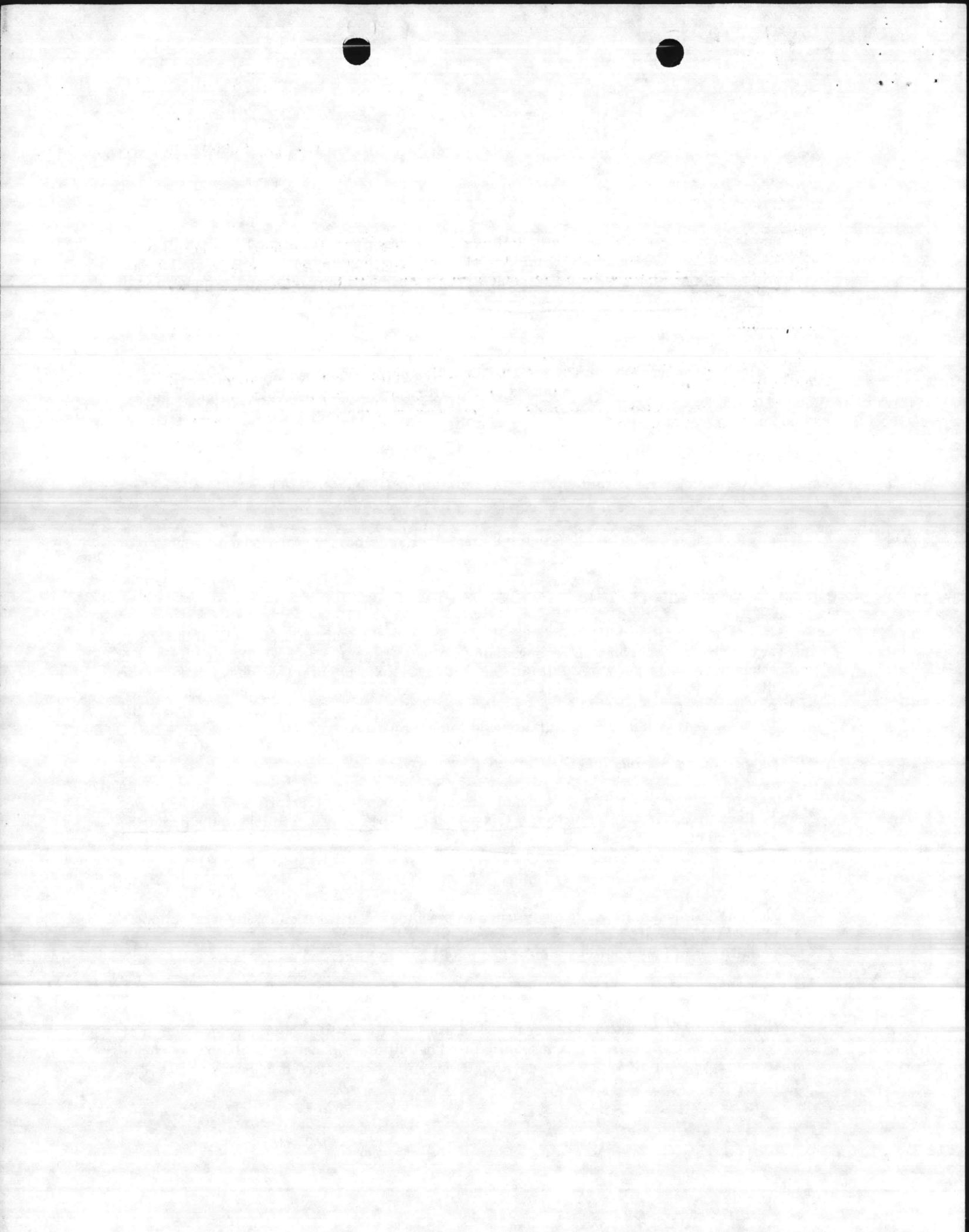
Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

**7. Oil and Hazardous Substance Liability**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

**8. State Laws**

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

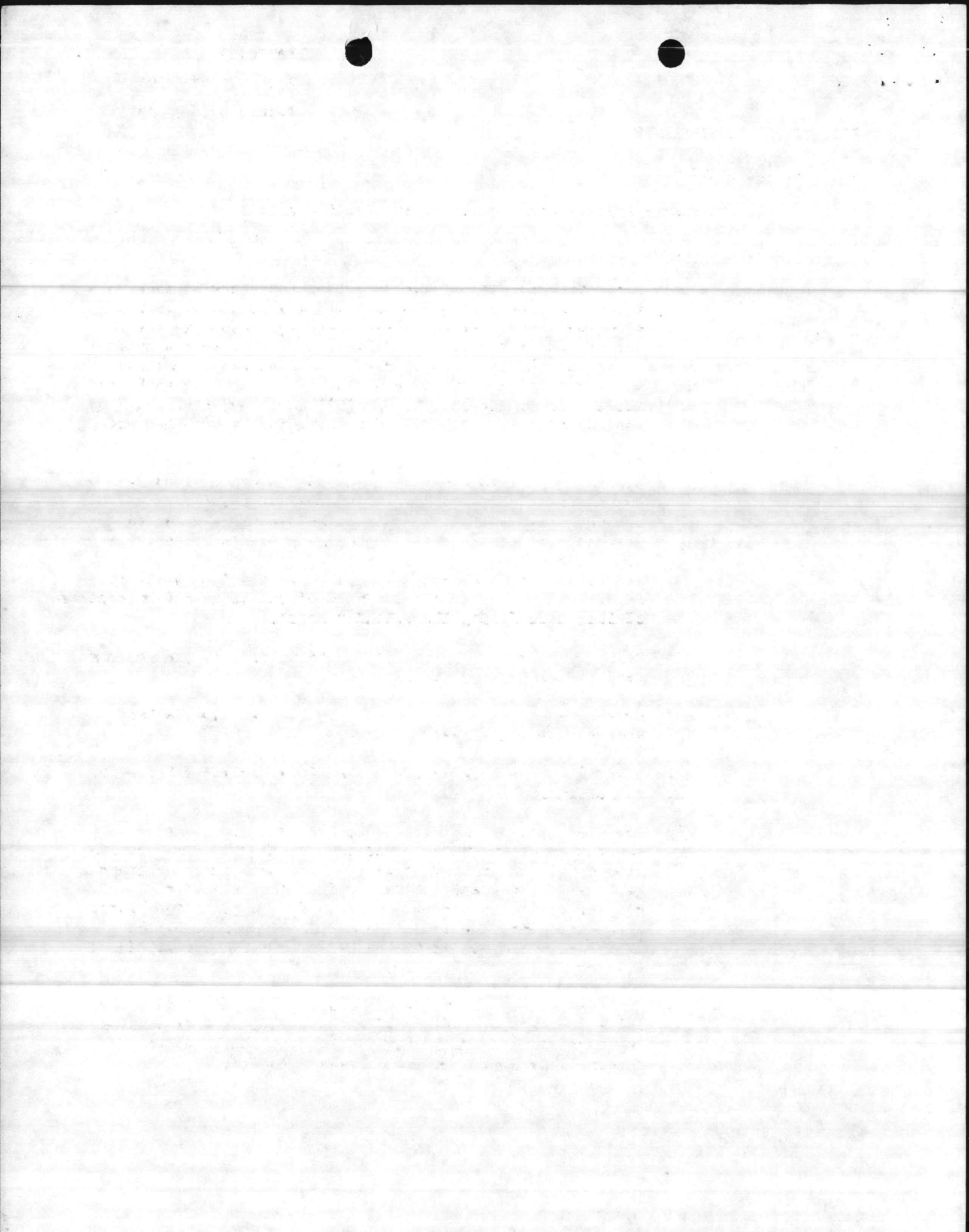


**9. *Property Rights***

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

**10. *Severability***

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby.



## III. OTHER REQUIREMENTS

## A. DEFINITIONS

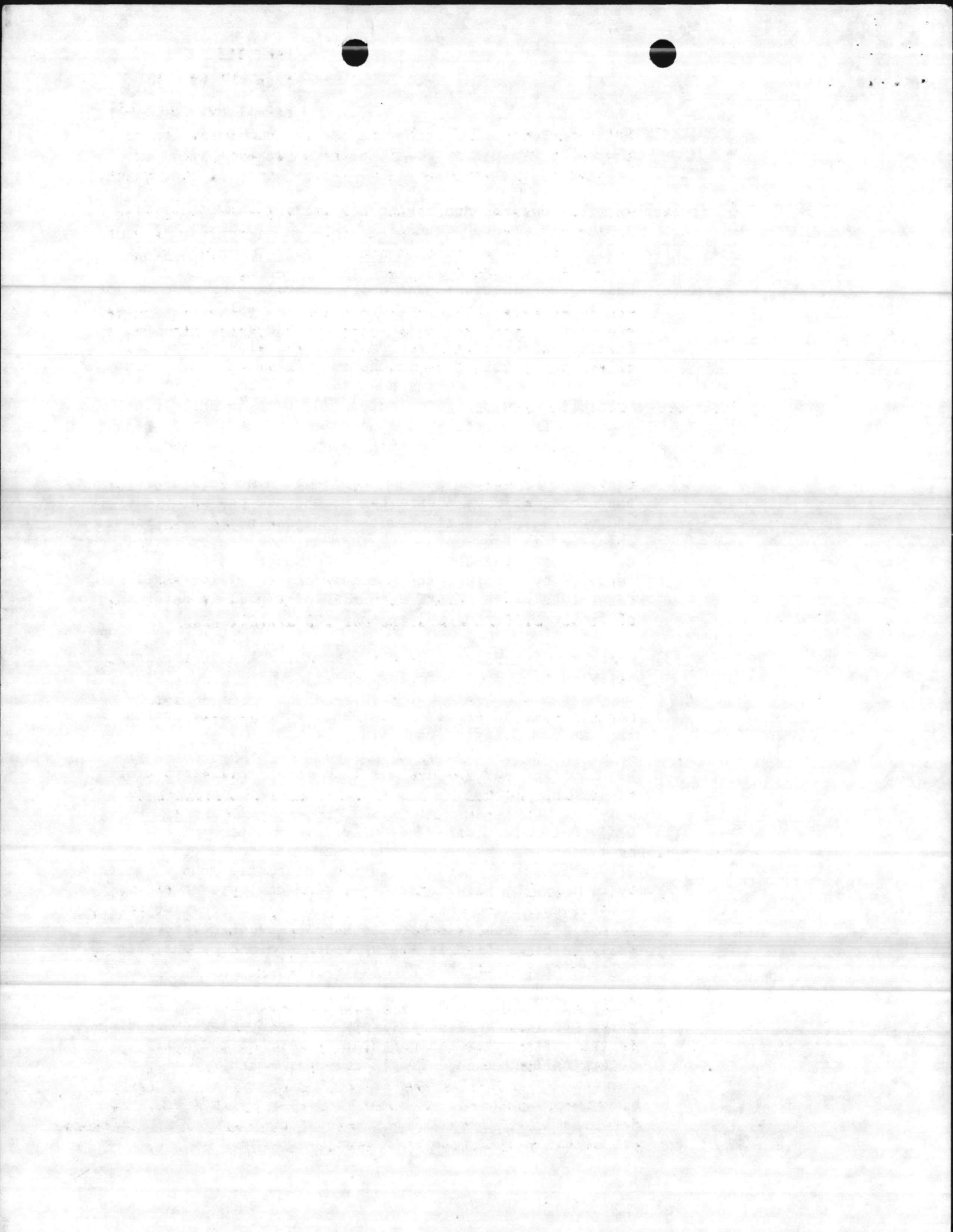
## 1. Discharge Limitations and Monitoring Requirements

## a. Flow

- (1) **Daily Determination:** The daily determination of flow is the total discharge by volume during a period of 24 consecutive hours. If the total discharge volume is not determined, the daily determination of flow is the product of the arithmetic mean of the individual determinations of flow rate made during a period of 24 consecutive hours multiplied by the equivalent of 24 hours in units consistent with those used in determination of the flow rate.
- (2) **Daily Average Flow:** The daily average flow is the total discharge by volume during a calendar month divided by the number of days during the month that the permitted source was in operation or that the discharge occurred whichever is the lesser. Except as provided by Part I, C. 9, where less than daily determination of flow is required by this permit, the daily average flow shall be determined as the arithmetic mean of the daily determinations of flow made during the calendar month.
- (3) **Daily Maximum Flow:** The daily maximum flow is the maximum daily determination of flow.
- (4) **Monthly Average Flow:** The monthly average flow is the same as the daily average flow.

## b. Concentration and any value other than fecal coliform bacteria, flow or loading.

- (1) **Daily Determination:** The daily determination of concentration or any value other than fecal coliform bacteria, flow or discharge loading is the arithmetic mean weighted by flow of the results obtained from analysis of all samples collected during a period of 24 consecutive hours. If a single grab or composite sample is collected, the daily determination is the value determined by analysis or examination of that sample.
- (2) **Daily Average:** The daily average for concentration or any value other than fecal coliform bacteria, flow or loading is the arithmetic mean weighted by flow of the daily determinations made during a calendar month.



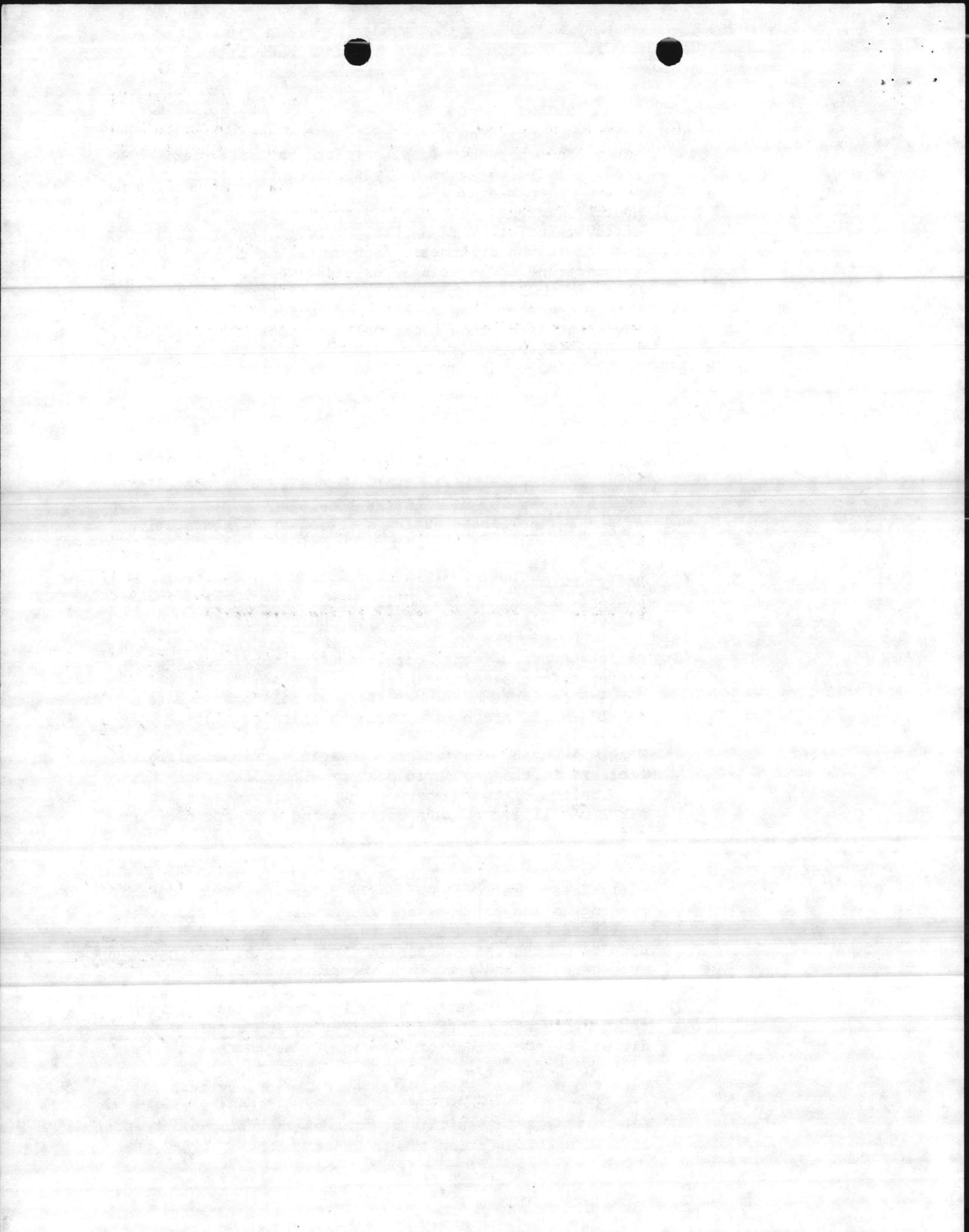
- (3) Daily Maximum: The daily maximum for concentration or any value other than fecal coliform bacteria, flow or loading is the maximum daily determination of that value.
- (4) Monthly Average: The monthly average for concentration or any value other than fecal coliform bacteria, flow or loading is the arithmetic mean of all of the daily determinations made during a calendar month.
- (5) Weekly Average: The weekly average for concentration or any value other than fecal coliform bacteria, flow or loading is the arithmetic mean of all of the daily determinations made during a one week period.

c. Fecal Coliform Bacteria

- (1) Daily Determination: The daily determination of fecal coliform bacteria is the arithmetic mean of all of the individual determinations of the number of fecal coliform organisms per 100 milliliters resulting from examination of samples collected during a period of 24 consecutive hours.
- (2) Daily Maximum: The daily maximum for fecal coliform bacteria is the maximum daily determination of the number of fecal coliform organisms per 100 milliliters.
- (3) Monthly Average: The monthly average for fecal coliform bacteria is the geometric mean of all of the daily determinations of the number of fecal coliform organisms per 100 milliliters made during a calendar month.
- (4) Weekly Average: The weekly average for fecal coliform bacteria is the geometric mean of all of the daily determination of the number of fecal coliform organisms per 100 milliliters made during a one week period.

d. Loading

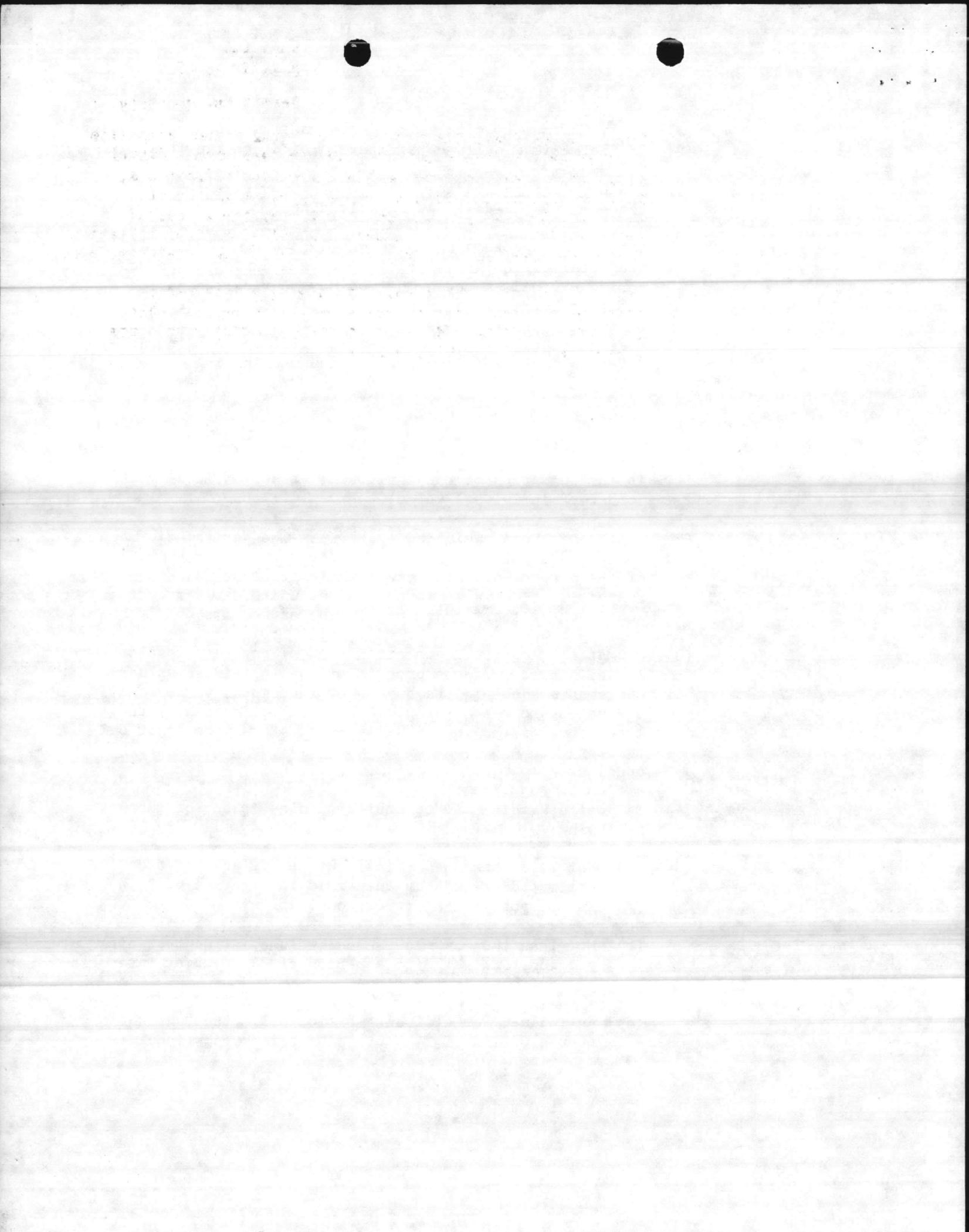
- (1) Daily Determination: The daily determination of discharge loading is the total discharge quantity by weight during a period of 24 consecutive hours and is equivalent to the product of the daily determinations for the same period of concentration and flow in appropriate units.
- (2) Daily Average Loading: The daily average loading is the total discharge quantity by weight during a calendar month divided by the number of days in the month that the permitted source was in operation or that the discharge occurred whichever is the lesser. Where less than daily sampling is required, the daily average loading shall be determined as the arithmetic mean of the daily determinations of loading made during the calendar month.



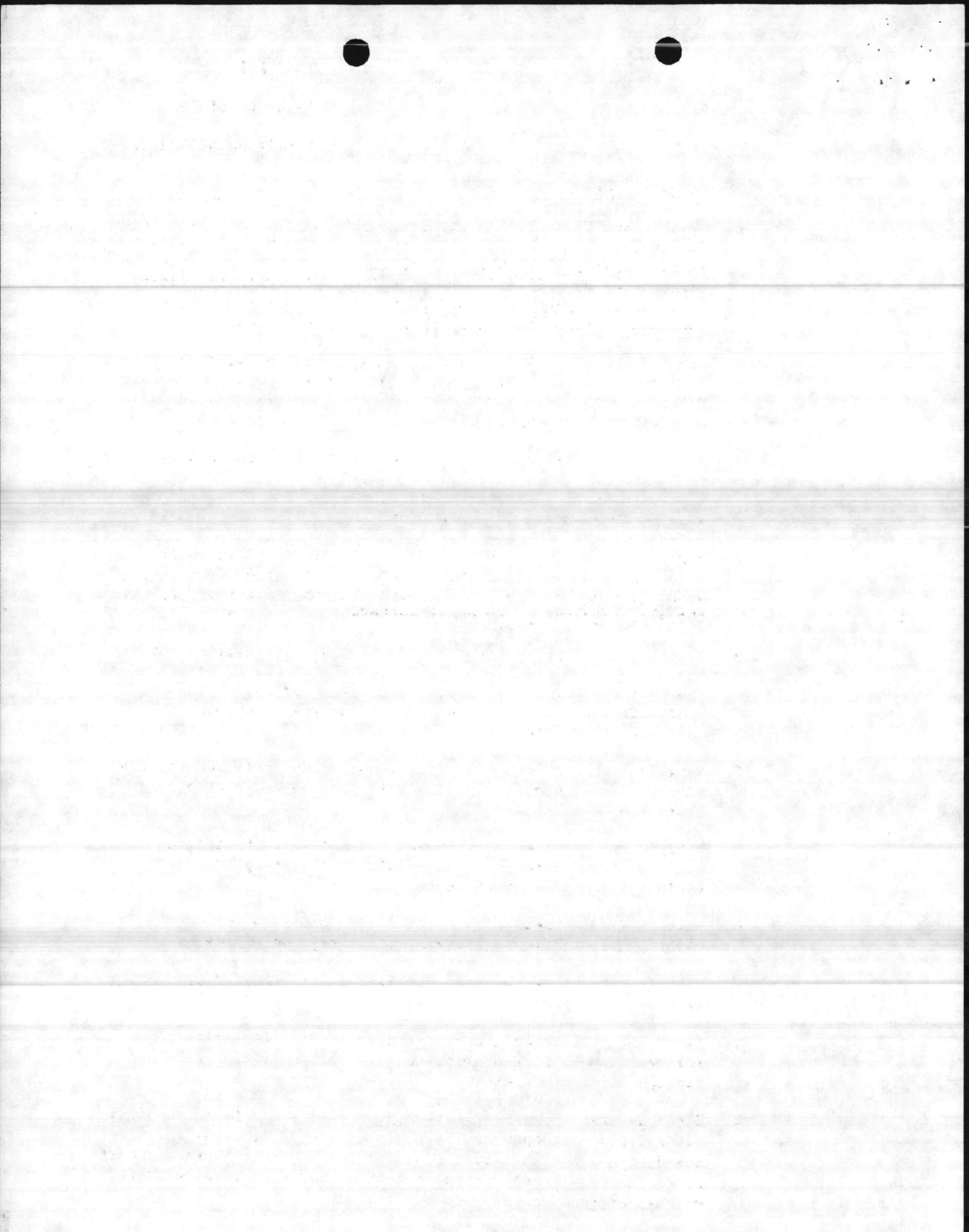
- (3) Daily Maximum Loading: The daily maximum discharge loading is the maximum daily determination of discharge loading.
- (4) Monthly Average Loading: The monthly average loading is the same as the daily average loading.
- (5) Weekly Average Loading: The weekly average loading is the total discharge quantity by weight during a one week period divided by the number of days during the period that the permitted source was in operation. Where less than daily sampling is required by this permit, the daily average loading shall be the arithmetic mean of the daily determinations of discharge loading made during a one week period.

e. Other Definitions

- (1) Arithmetic Mean: The arithmetic mean of any set of values is the summation of the individual values divided by the number of individual values.
- (2) Arithmetic Mean (Weighted by Flow): The "arithmetic mean (weighted by flow)" of any set of values is the summation of the product of each determination of that value and its respective flow value in convenient units divided by the summation of the flow values in the same units.
- (3) Geometric Mean: The geometric mean of any set of values is the  $n$ th root of the product of the individual values where  $n$  is equal to the number of individual values and is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered to be one (1).
- (4) Composite Sample: A "composite sample" is any of the following:
  - (a) Not less than twelve influent or effluent portions collected at regular intervals in a period of 24 hours and composited in proportion to flow.
  - (b) Not less than twelve equal volume influent or effluent portions collected in a period of 24 hours at intervals proportional to the flow.
  - (c) An influent or effluent portion collected continuously over a period of 24 hours at a rate proportional to the flow.

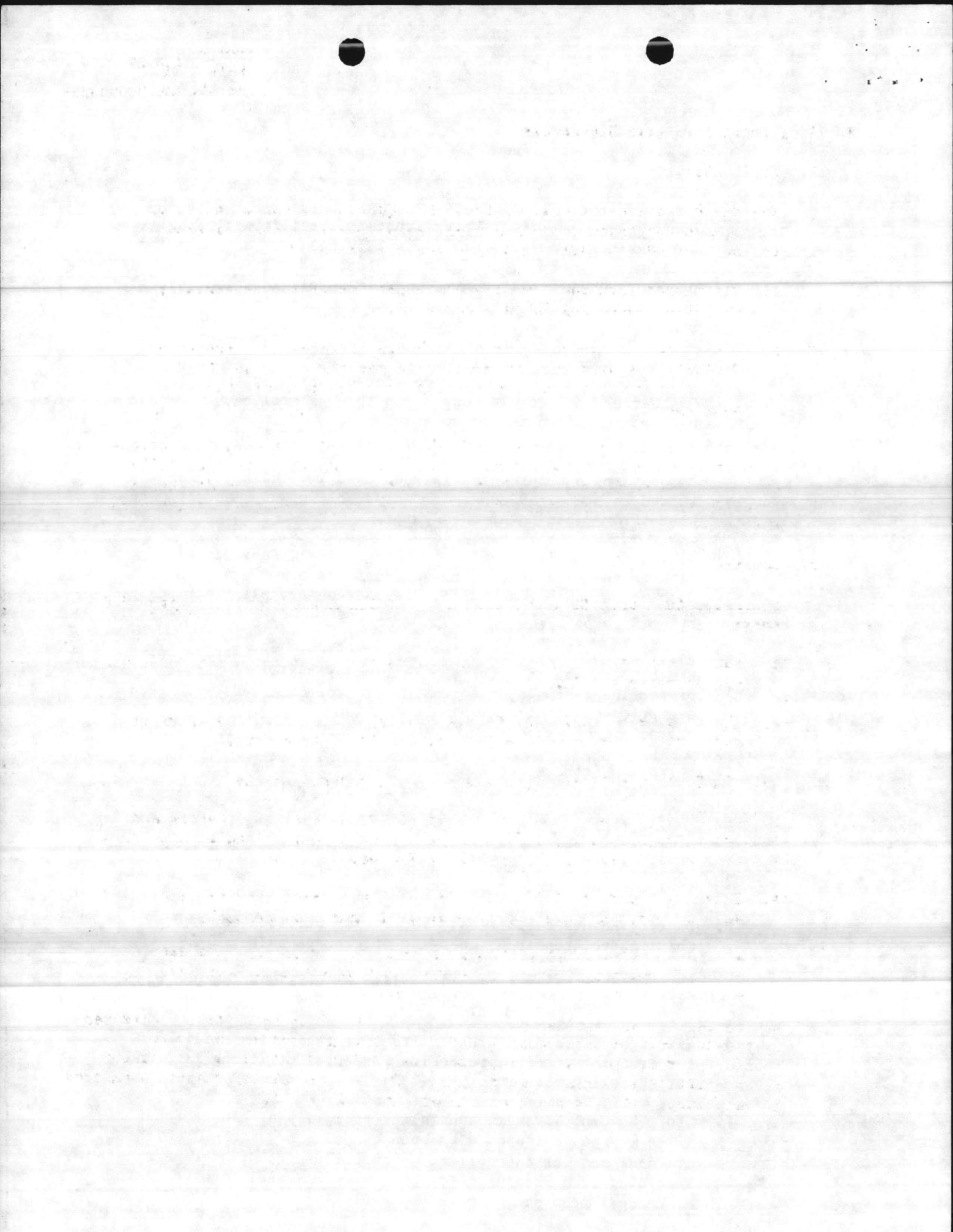


- (5) Equal Volume Composite Sample: An "equal volume composite sample" is a sample consisting of not less than 4 (four) equal volume effluent or influent portions collected at regular intervals during a period of eight (8) hours. Where discharges are not continuous over the specified interval, the specified number of samples shall be collected during the periods most representative of the total discharge.
- (6) Grab Sample: A "grab sample" is a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the total discharge.



**2. Discharge Sources**

- a. **Potable and Industrial Water Treatment Facilities:** Facilities for removal of objectionable constituents such as suspended solids, taste, odor, hardness or dissolved solids so that the product may be utilized for domestic supply (drinking water) or industrial purposes. Discharges include sludges, filter backwash, brines and ion exchange regeneration wastes.
- b. **Cooling Systems:** Facilities for the removal of waste heat by transfer to water, all or a portion of which is then discharged. Discharges include blowdown, once through cooling water and wastes from cleaning of the system.
- c. **Boilers:** Facilities for the transfer of heat produced by combustion to water which is then used in liquid form or converted to steam. Discharges include blowdown, bleed off and waste from cleaning of the system.
- (d) **Vehicle and Equipment Cleaning Facilities:** Facilities for cleaning of aircraft, motor vehicles and other equipment by washing, brushing, abrasion, steam cleaning, paint stripping, chemical degreasing, or other methods.
- e. **Painting and Corrosion Control Facilities:** Facilities for the application of primer, paint, undercoating, or other protective coatings or corrosion control compounds with the exception of metal finishing operations involving plating, galvanizing or anodizing.
- f. **Petroleum Storage and Handling Areas:** Areas utilized for the storage or transfer of fuel, lubricants, solvents or other petroleum products.
- g. **Vehicle and Equipment Maintenance Facilities:** Facilities utilized for maintenance and repair of vehicles, engineer equipment and other equipment.
- h. **Battery Rework Facilities:** Facilities utilized for the maintenance, repair or charging of storage batteries.
- i. **Photographic Laboratories:** Facilities utilized for processing of photographic materials.
- j. **Firefighter Training Areas:** Areas or facilities utilized for training of fire protection personnel utilizing fire and extinguishing materials.
- k. **Storm Sewers:** Systems consisting primarily of closed conduits (i. e., pipes as opposed to open conduits or ditches) which are designed for the collection and transport of surface runoff resulting from precipitation but which may also receive waste discharges from one or more sources.



## B. Additional Permitted Discharges

### 1. Applicability

The discharge limitations, monitoring requirements and schedule of compliance specified below are applicable to all discharges from sources defined in Part III A with the exception of:

- a. Discharges from such sources which are identified as serially numbered discharges in an NPDES permit.
- b. Discharges from such sources which are directed to a treatment facility the discharge from which is authorized by an NPDES permit or for which an application for such a permit has been submitted.

Discharges from such sources which when combined with other discharges or surface runoff form a discharge which is identified as a serially numbered discharge in an NPDES permit but which is not the discharge or effluent from a treatment facility, are subject to the requirements specified below.

### 2. General Conditions

Discharge from sources identified in Part III A are authorized provided that:

- a. Such discharge is in conformance with the limitations and monitoring requirements specified below.
- b. The discharge originates from a source which was in operation or under construction on the effective date of this permit.

### 3. Interim Discharge Limitations and Monitoring Requirements

During the period beginning on the effective date of this permit and lasting through June 30, 1977, the permittee is authorized to discharge from the sources identified in Part III A provided that:

- a. Existing treatment facilities (if any) are maintained in good working order and are operated as efficiently as possible.
- b. All feasible measures shall be employed to ensure that the discharge of pollutants is reduced to the lowest practicable level consistent with operational requirements.

Monitoring is not required during this period unless specifically directed by the Regional Administrator. Interim discharge limitations and/or monitoring requirements may be established by the Regional Administrator for specific discharges after review of the additional information submitted in accordance with the requirements of Part III, B., 5.



#### 4. Final Discharge Limitations and Monitoring Requirements

During the period beginning July 1, 1977, and lasting through expiration, discharges from the sources identified in Part III A shall be limited by the permittee in accordance with the conditions below except for storm sewers and/or drainage ditches monitoring shall not be required for those point sources for which control and/or treatment have been implemented.

##### a. General Requirements

Unless otherwise specified the following requirements are applicable to all discharges.

- (1) There shall be no discharge of floating solids or visible foam in other than trace amounts.
- (2) The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored at the frequency specified for flow.

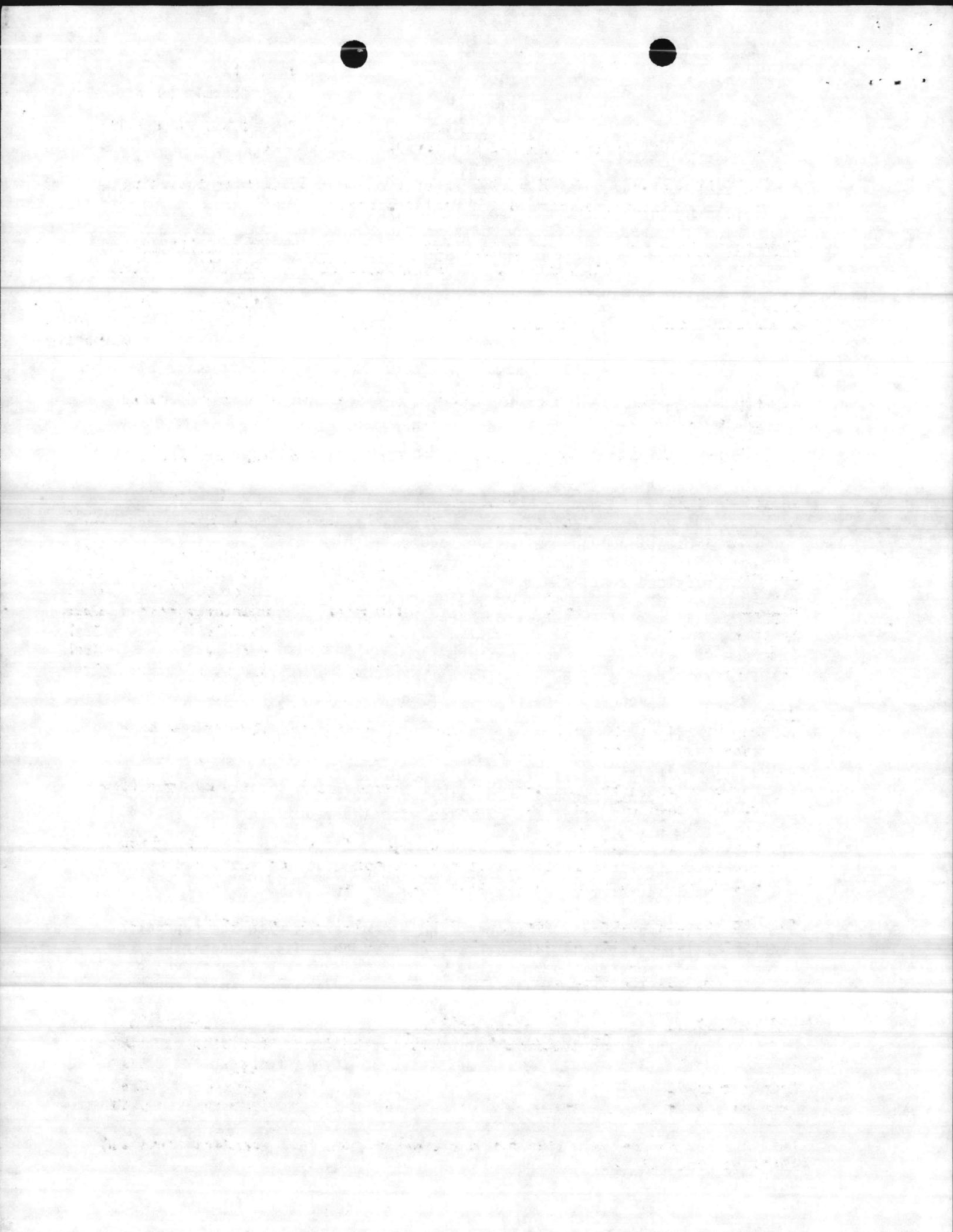
##### b. Special Conditions

The Regional Administrator may grant an exception to the discharge limitations and monitoring requirements specified below for discharges from water treatment facilities, cooling systems and boilers provided that:

- (1) The discharge is directed to a storm sewer or to a normally dry drainage collection system.
- (2) Such discharge individually or when combined with any other discharge does not result in violation of applicable water quality standards in any receiving water.
- (3) Where such discharges are directed to storm sewers, the discharge from the storm sewer is identified as a discharge point in compliance with the requirements specified in Part III B 5 and complies with the requirements of Part III B 4(12).

Request for such exemption shall be made in writing to the Regional Administrator not later than June 30, 1976.

After review of the request and consultation with the appropriate state water pollution control agency, the Regional Administrator shall provide the permittee with written notice of approval or disapproval and shall furnish modified discharge limitations and monitoring requirements as appropriate. The Regional Administrator shall make public notice of intent to establish modified conditions and shall provide an opportunity for hearing. Modified discharge limitations shall become effective 30 days after issuance of the public notice.



## c. Discharge Limitations and Monitoring Requirements

- (1) Potable and industrial water treatment facilities including filters, softeners and demineralizers.

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
Suspended Solids	30 mg/l	50 mg/l	1/Week(1)	Equal Volume Composite

Note

(1) May be reduced to 1/month for discharges less than 50,000 gpd (daily maximum).

- (2) Cooling Water, Cooling Tower Blowdown and Cleaning Wastes

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Monthly(1)	N/A
Chromium (total)	--	1.0 mg/l	Quarterly(2)(3)	Grab
Zinc	0.5	1.0 mg/l	Quarterly(2)(3)	Grab
Copper	0.5	1.0 mg/l	Quarterly(2)(3)	Grab
Temperature °C	35	38	Monthly(1)	Grab
Temperature °F	95	100	Monthly(1)	Grab
Chlorine Residual	--	0.2 mg/l	during addition	Grab

Note

(1) May be reduced to quarterly for discharges with a daily maximum flow less than 1000 gallons per day.

(2) May be reduced to semi-annual for discharges with a daily maximum flow of less than 1000 gallons per day.

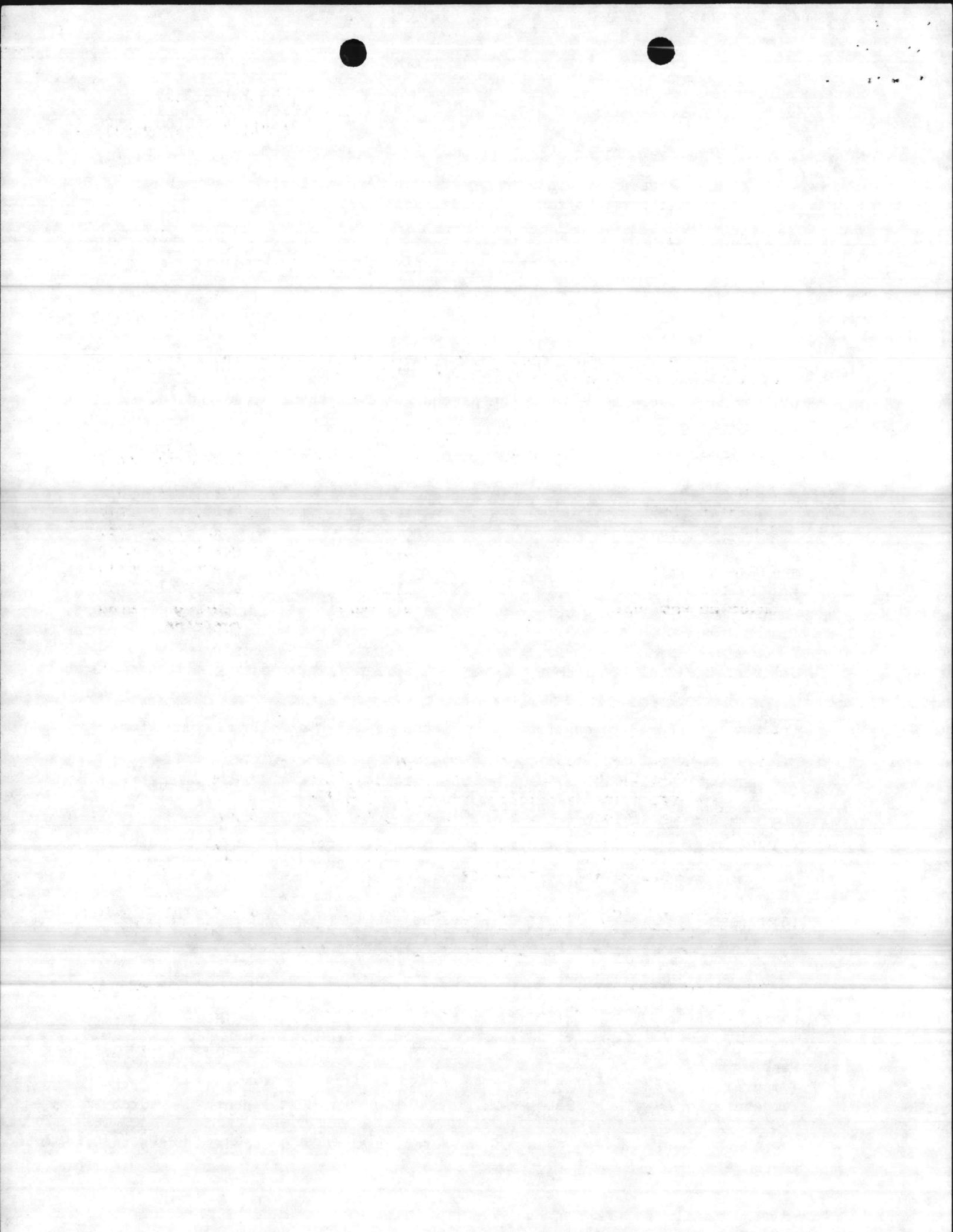
(3) Monitoring of this parameter is not required for discharges to which treatment or conditioning chemicals are not added or where added materials do not contain the material limited.

(4) Monitoring reports shall specify the manufacturer and trade name or composition of any treatment chemicals added.

- (3) Boiler Blowdown

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
Temperature °C	35	38	1/Month	Grab
Temperature °F	95	100	1/Month	Grab

The pH shall not be less than 6.0 nor greater than 10.0 standard units and shall be monitored 1/month.

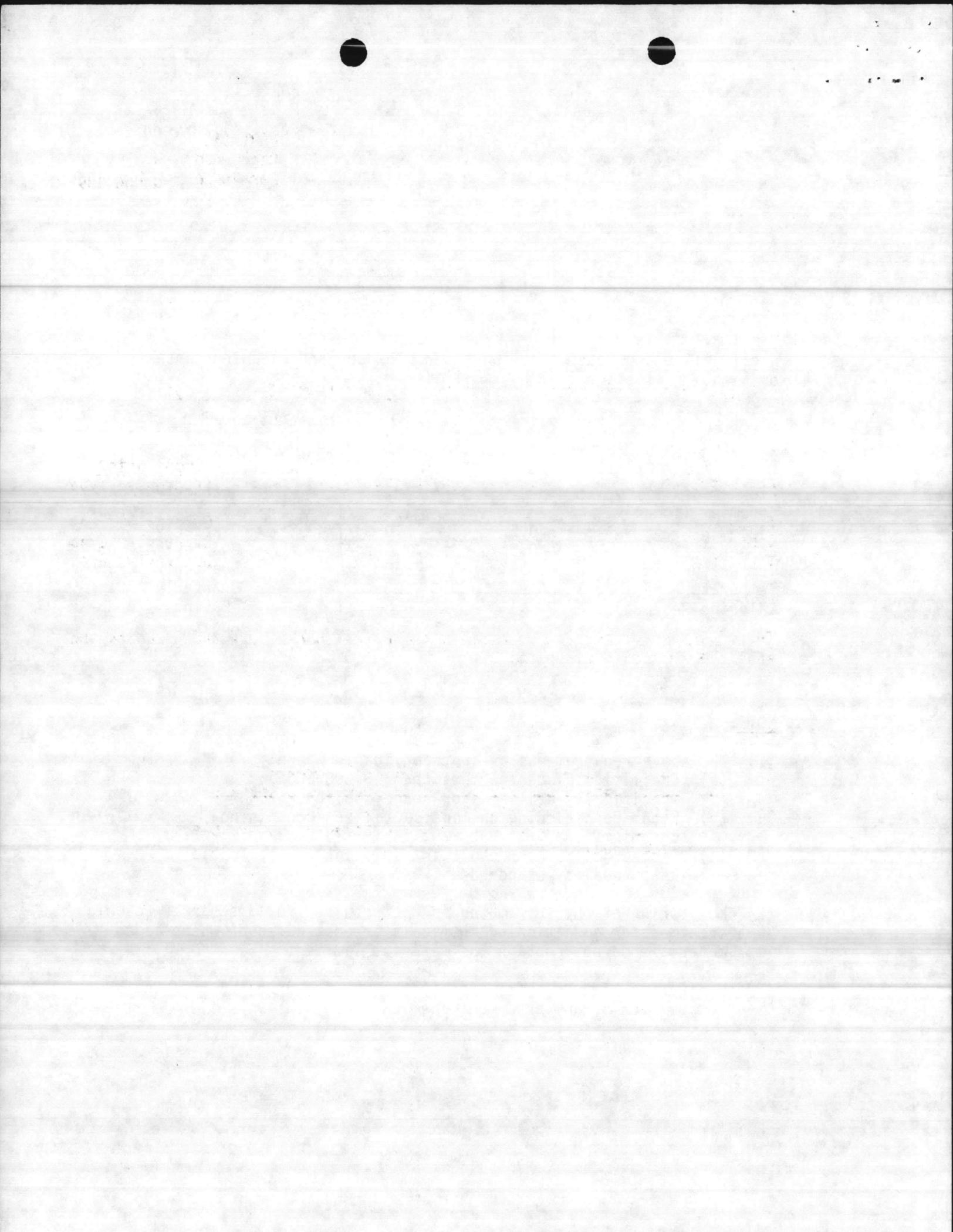


4.c.(2) Cooling water, cooling tower blowdown and cleaning wastes originating at space cooling facilities.

<u>Characteristic</u>	<u>Limitations</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow			Quarterly	NA
Chromium (Total)		1.0 mg/l	Quarterly <sup>2</sup>	Grab
Zinc	0.5	1.0 mg/l	Quarterly <sup>2</sup>	Grab
Copper	0.5	1.0 mg/l	Quarterly <sup>2</sup>	Grab
Temperature °C	35	38	Quarterly	Grab
Temperature °F	95	100	Quarterly	Grab
Chlorine Residual		0.2 mg/l	During Addition	Grab

NOTE:

- (1) The above requirements are not applicable where:
  - (a) Facilities discharge less than 10,000 GPD and are specifically utilized for space cooling.
  - (b) Water conditioning chemicals utilized contain no chromium.
  - (c) Discharges do not result in violation of applicable water quality standards.
- (2) Monitoring of this parameter is not required for discharges to which treatment or conditioning chemicals are not added or where added materials do not contain the material limited.
- (3) Monitoring Reports shall specify the manufacturer and trade name or composition of any treatment chemicals added.



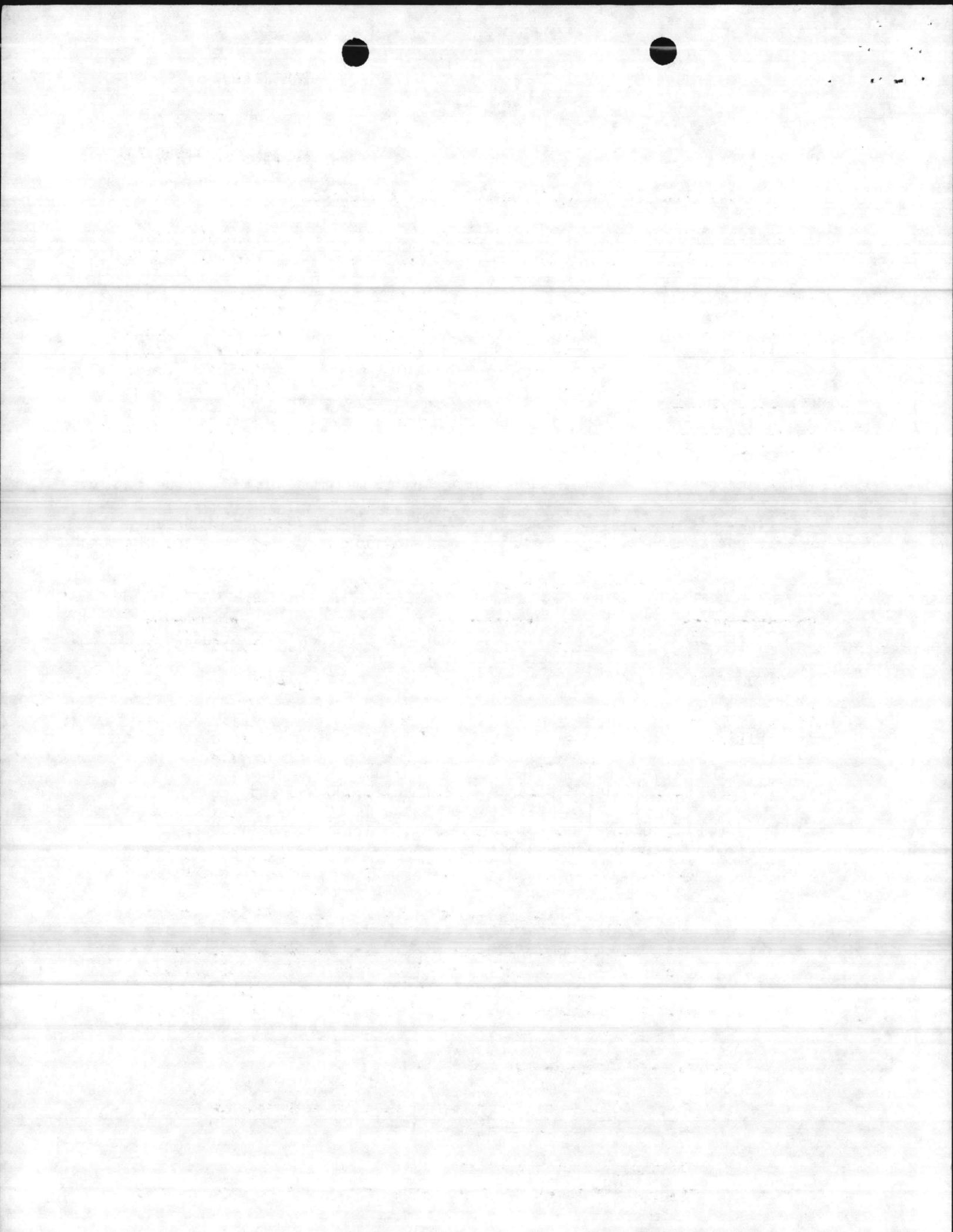
4.c.(3) Boiler blowdown originating at space heating facilities.

<u>Characteristic</u>	<u>Limitations</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow			Quarterly	NA
Temperature °C	35	38	Quarterly	Grab
Temperature °F	95	100	Quarterly	Grab

The pH shall not be less than 6.0 nor greater than 10.0 standard units and shall be monitored quarterly.

NOTE:

- (1) The above requirements are not applicable where:
  - (a) Facilities discharge less than 10,000 GPD and are specifically utilized for space heating.
  - (b) Discharges do not result in violation of applicable water quality standards.



## (4) Vehicle and Equipment Cleaning Facilities

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
pH	--	--	1/Month	Grab
Oil and Grease	10 mg/l	15 mg/l	1/Month	Grab
Suspended Solids	25 mg/l	40 mg/l	1/Month	Grab
Phenol	1.0 mg/l	2.0 mg/l	1/Month(1)	Grab
Biochemical Oxygen Demand (5 Day)	30 mg/l	45 mg/l	1/Month(2)	Grab
Fecal Coliform Bacteria (no. per 100 ml)	200	--	1/Month(2)	Grab

Notes

- (1) Required only at facilities at which paint stripping is performed.  
(2) Required only at facilities at which sanitation equipment is cleaned.

## (5) Painting and Corrosion Control Facilities

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
pH	--	--	1/Month	Grab
Oil and Grease	10 mg/l	15 mg/l	1/Month	Grab
Suspended Solids	25 mg/l	40 mg/l	1/Month	Grab
Phenol	1.0 mg/l	2.0 mg/l	1/Quarter	Grab

## (6) Vehicle and Equipment Maintenance Areas

Discharges, including surface runoff resulting from precipitation, shall not contain more than 15 mg/l of oil and grease as a daily maximum and shall be monitored quarterly.

## (7) Petroleum, Oil and Lubricant (POL) Storage and Handling Areas

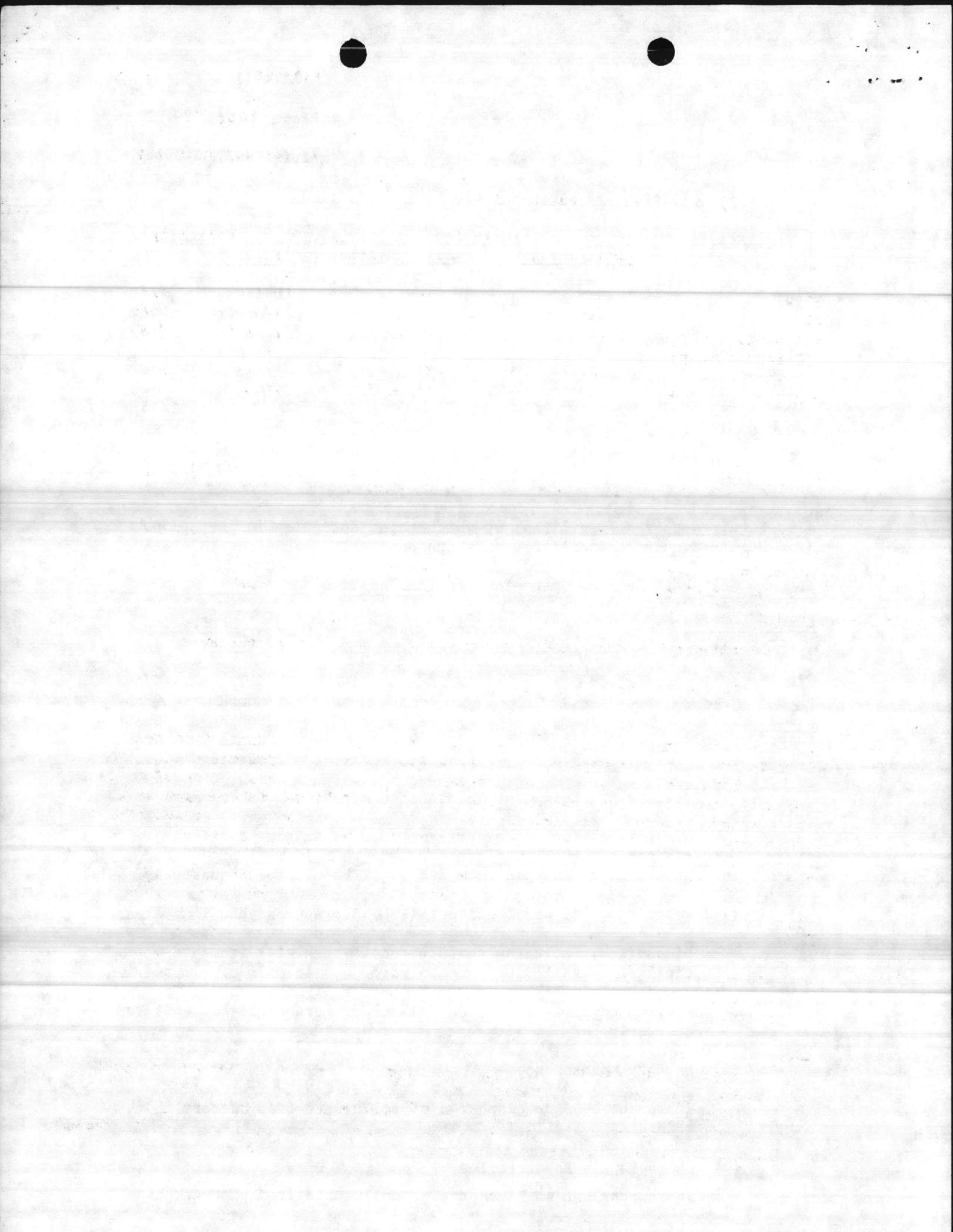
Discharges, including surface runoff resulting from precipitation, shall not contain more than 15 mg/l of oil and grease as a daily maximum. Discharges from areas with a storage capacity of 40,000 gallons or more shall be monitored quarterly.

## (8) Battery Maintenance

There shall be no discharge of pollutants from battery maintenance facilities.

## (9) Photographic Laboratories

There shall be no discharge of pollutants from photographic



## (10) Firefighter Training Areas

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
pH	--	--	1/Quarter	Grab
Biochemical Oxygen Demand (5 Day)	--	45 mg/l	1/Quarter	Grab
Oil and Grease	--	15 mg/l	1/Quarter	Grab
Suspended Solids	--	50 mg/l	1/Quarter	Grab

## (11) Swimming Pools

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
pH	--	--	1/Week	Grab
Suspended Solids	--	40 mg/l	1/Month	Grab
Chlorine Residual (1)	--	0.2 mg/l	1/Month	Grab

Notes

(1) Does not apply when potable water is used for filter backwash.

## (12) Storm Sewers

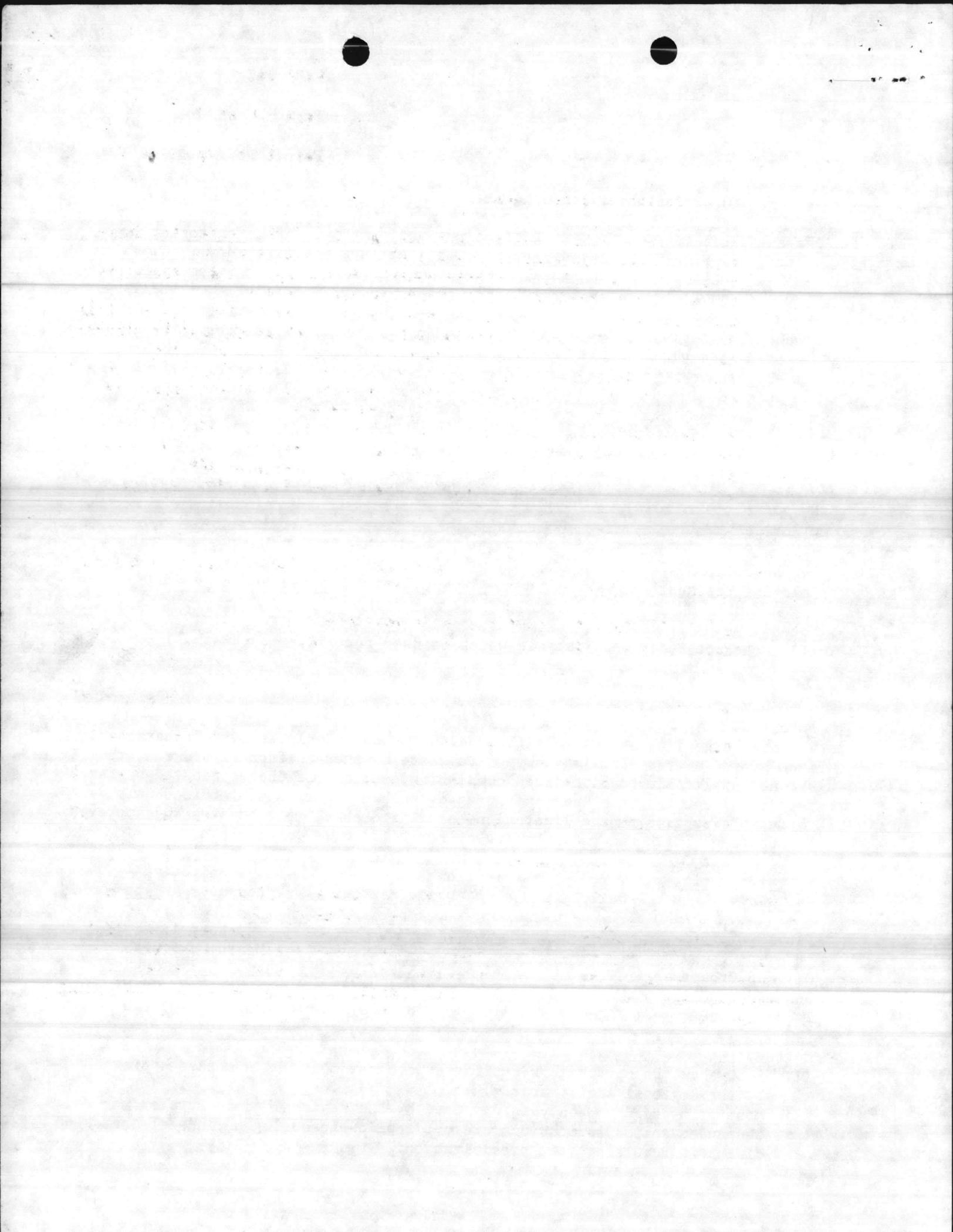
Note

The discharge limitations specified below are applicable to all discharges from storm sewer systems which receive waste discharges from any source; they are not applicable to discharges consisting entirely of uncontaminated surface runoff. Identification and monitoring of such discharges is required only where an exception to the limitations specified above is requested and approved in accordance with the requirements of Part III, B., 4, b. above.

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Note 1	
pH	--	--	1/Month	Grab
Oil and Grease	--	15 mg/l	Note 2	Grab
Suspended Solids	--	50 mg/l (3)	Quarterly	Grab
Temperature °C (°F)	--	38 (100)	1/Month	Grab

Notes

- (1) Flow shall be measured or estimated once per month by a method approved by the Regional Administrator.
- (2) Monitoring required only as directed by the Regional Administrator.
- (3) Suspended solids limitations are not applicable during periods of increased discharge resulting from precipitation.



d. Water Quality Requirements

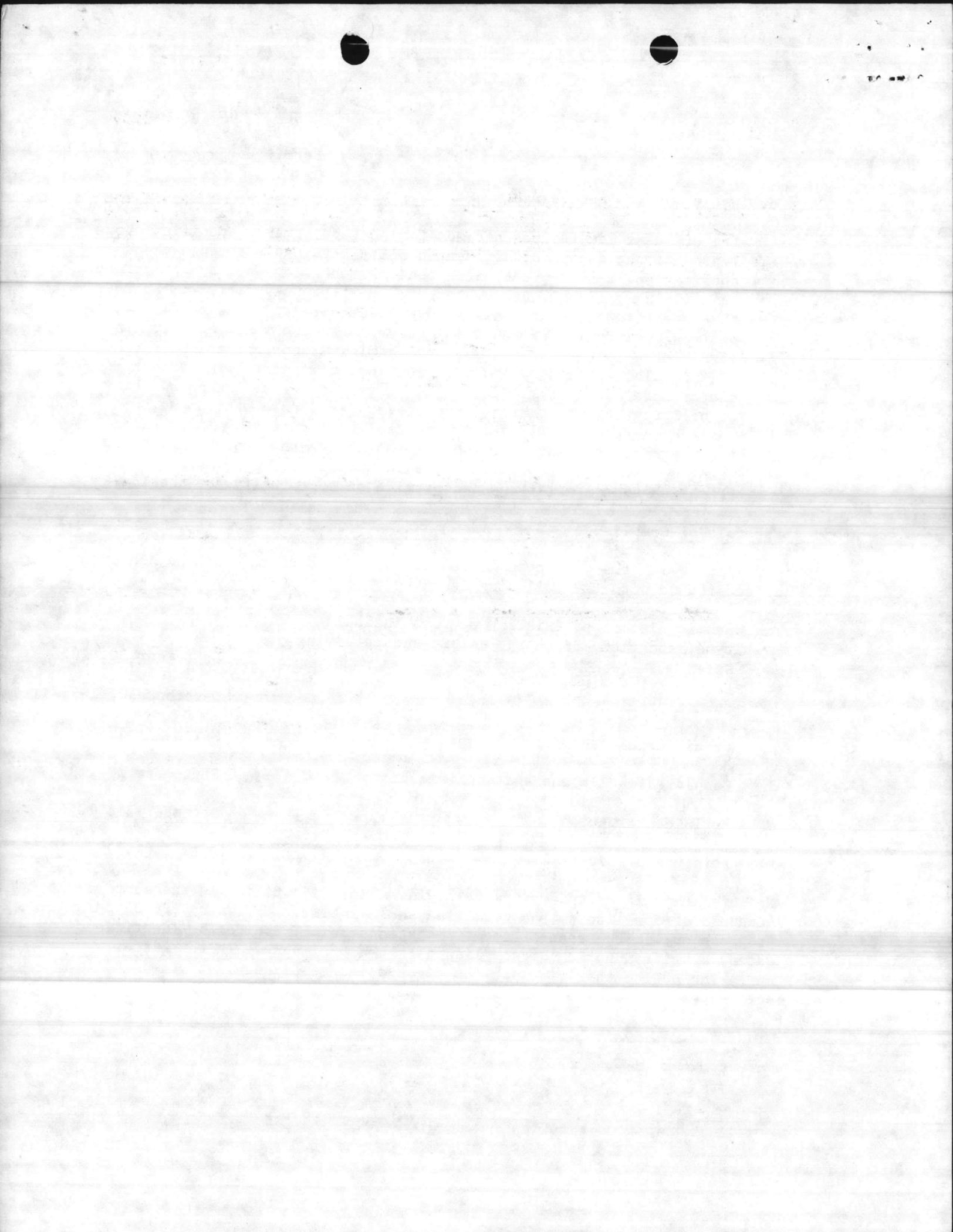
The effluent limitations and monitoring requirements specified above represent the degree of effluent quality attainable through the application of best practicable control technology and are therefore the minimum effluent quality acceptable after July 1, 1977. Where the specified effluent quality is not adequate to achieve and maintain desired quality in any receiving water for which water quality standards have been established, the Regional Administrator may establish additional limitations, including but not limited to limitations on one or more of the following: discharge volume, pollutant quantity or pollutant concentration, as necessary to ensure attainment of desired water quality. Prior to establishment of such limitations, the Regional Administrator shall consult with the appropriate state water pollution control agency, issue public notice of intent to establish such limitations and provide an opportunity for hearing.

5. Schedule of Compliance

Compliance with the discharge limitation specified above shall be achieved in accordance with the following schedule:

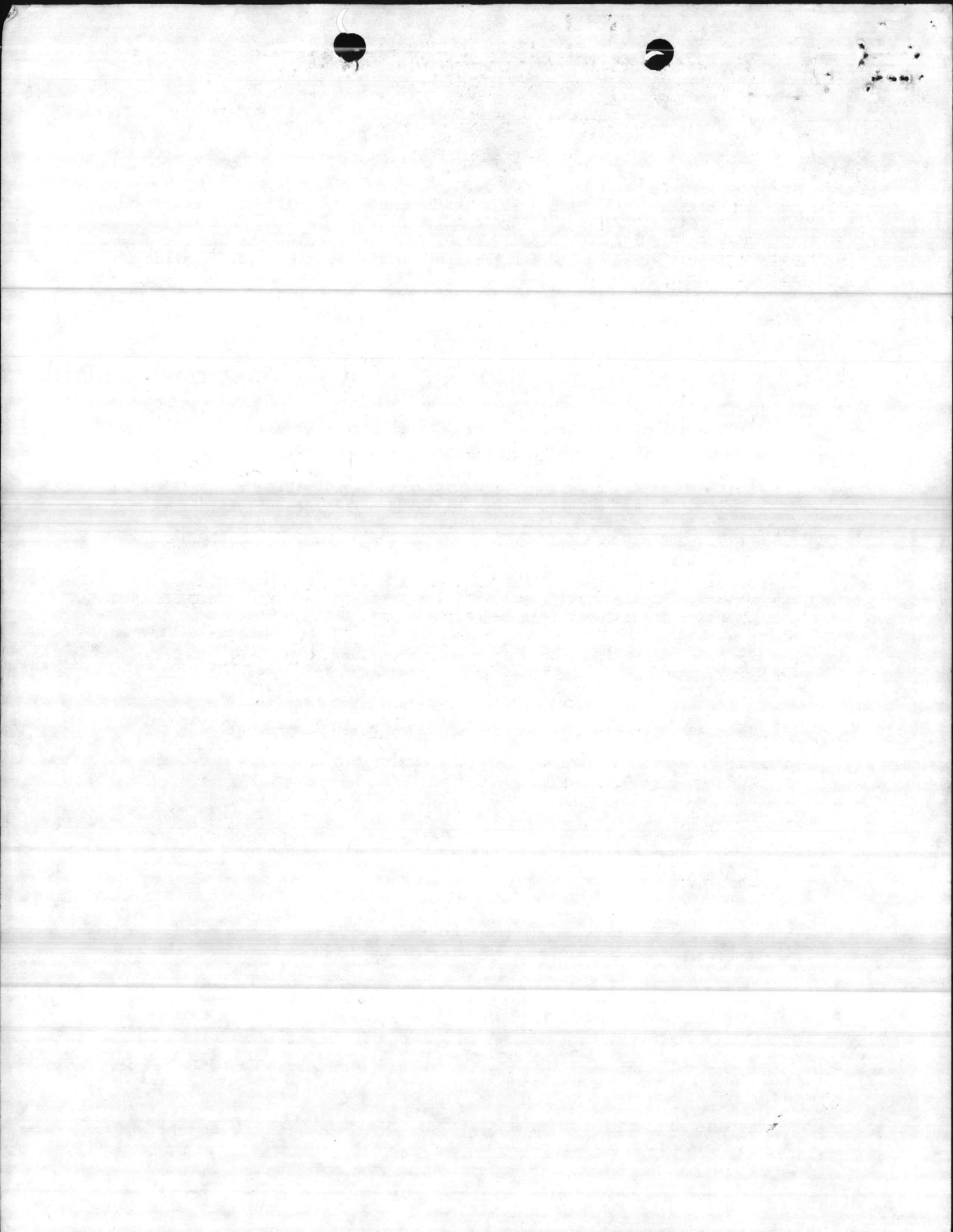
- |  |                    |
|--|--------------------|
| a. Submit listing of existing sources including type, location, discharge volume and receiving water | September 30, 1975 |
| b. Submit preliminary engineering report   | December 30, 1975  |
| c. Submit final engineering report   | March 31, 1976     |
| d. Complete final plans and specifications   | September 30, 1976 |
| e. Begin construction  | December 31, 1976  |
| f. Attain operational level  | July 1, 1977       |

No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.



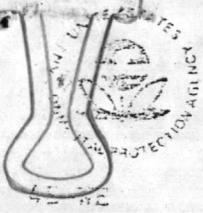
During the period beginning with effective date of modification and lasting through permit expiration, the permittee shall monitor the receiving streams at nine stations for BOD<sub>5</sub>, Temperature, Dissolved Oxygen, pH Oil and Grease and Fecal Coliform. Monitoring Frequency shall be one/month. Station locations are:

<u>Number</u>	<u>Location</u>
1 - - -	New River above Camp Gieger STP outfall
2 - - -	Northeast Creek above Tarawa Terrace STP outfall
3 - - -	Northeast Creek below Tarawa Terrace STP outfall and above Montford Point STP outfall
4 - - -	New River in narrows at Hadnot Point, below Gieger, Montford and Tarawa STP's outfall, and above Hadnot Point STP outfall
5 - - -	New River at Gillette below Hadnot Point STP outfall and above Rifle Range STP outfall
6 - - -	New River at Bridge above Ellis Cove, below Rifle Range STP outfall and above Courthouse Bay STP outfall
7 - - -	New River in Channel Area near New River Inlet, below Courthouse Bay
8 - - -	Intracoastal Waterway above Onslow Beach STP outfall
9 - - -	Intracoastal Waterway below Onslow Beach STP outfall



LAB 7-20-80

TIM'S COPY



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

345 COURTLAND STREET  
ATLANTA, GEORGIA 30308

FEB 26 1980

Commanding General  
United States Marine Corps  
Marine Corps Base  
Camp Lejeune, North Carolina 28542

Attn: Lt. Colonel T. R. Baisley  
Base Maintenance Officer

Re: Issuance of NPDES Permit No. NC0003239

Dear Sir:

Enclosed is the National Pollutant Discharge Elimination System (NPDES) permit for the facility referenced above. This permit constitutes my determination under Title 40, Code of Federal Regulations, Section 125.35, as amended (39 FR 27080, July 24, 1974).

Any previously issued permit for this facility is hereby revoked upon the effective date of this permit. In accordance with 40 CFR 125.35, this permit will become issued and effective on the effective date specified in the permit, provided that no request for an adjudicatory hearing and/or legal decision is subsequently filed with the Agency. In the event that such a request is filed, the contested provisions of the permit will be stayed and will not become effective until the administrative review process is completed. All uncontested provisions of the permit will be considered issued and effective on the effective date set out in the permit and must be complied with by the facility.

If you wish to request an adjudicatory hearing and/or legal decision, you must submit such request (an original and two copies) to the Regional Hearing Clerk within ten (10) days from the receipt of this letter. The request will be timely if mailed by Certified Mail within the ten (10) day time period. For the request to be valid, it must conform to the requirements of 40 CFR 125.36(b). Such requirements are specified in the attachment hereto.

Information on procedures and legal matters pertaining to an adjudicatory hearing request may be obtained by contacting the EPA Legal Branch at 404/881-3506.

Sincerely yours,

Sanford W. Harvey, Jr.  
Director  
Enforcement Division

Enclosures

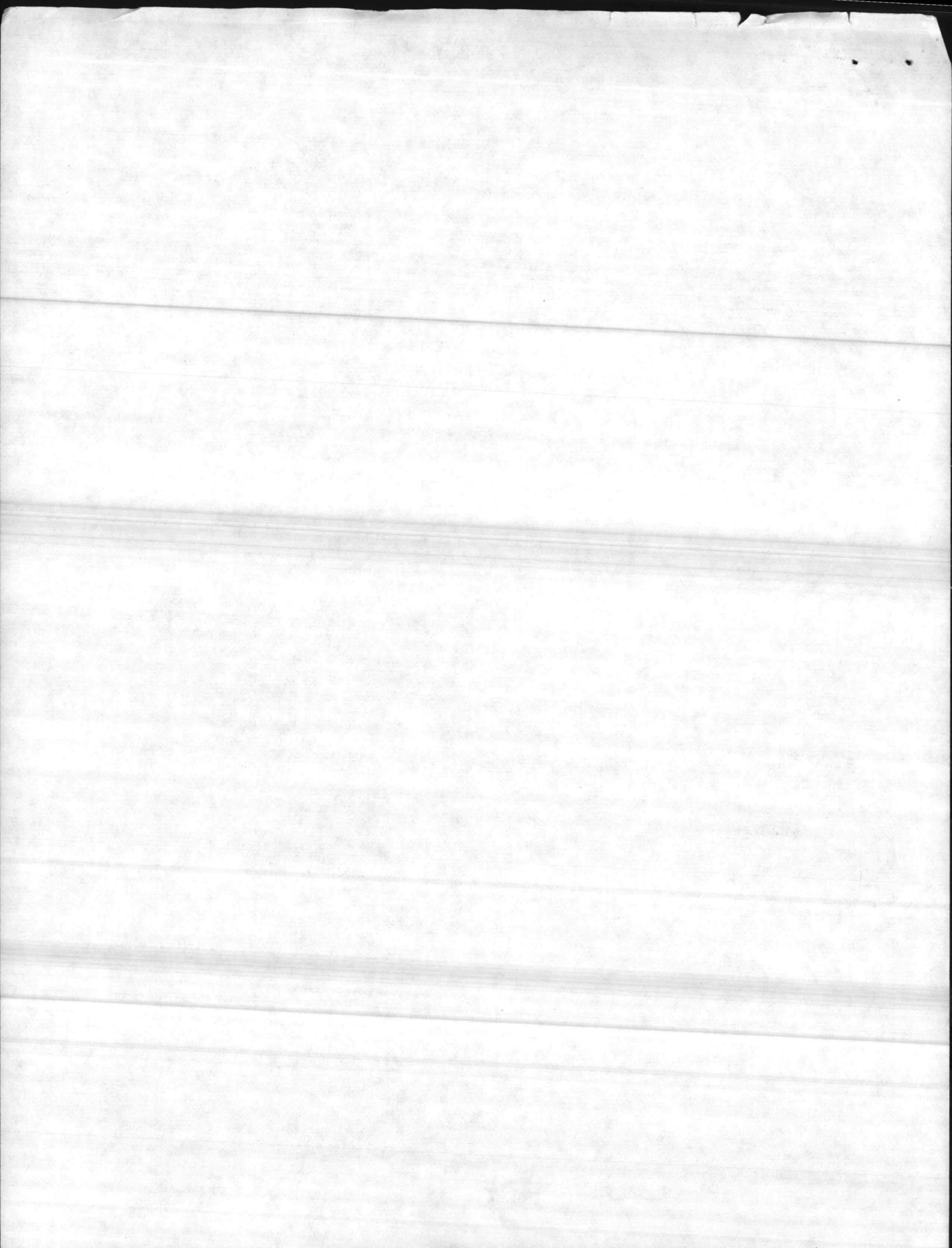
cc: See attached

[REDACTED]

cc: Dr. Neil S. Grigg  
Director, Division of Environmental  
Management  
NC Dept. of Natural Resources and  
Community Development

Commander  
Naval Facilities Engineering Command  
Norfolk, Virginia

35  
90%



Permit No. NC0003239

AUTHORIZATION TO DISCHARGE UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of the Federal Water Pollution Control Act, as amended, (33 U.S.C. 1251 et. seq; the "Act"),

U. S. Marine Corps Base  
Camp Lejeune, North Carolina

is authorized to discharge from facilities located at

Camp Lejeune, Onslow County, North Carolina, Marine Corps Air Station,  
New River, Onslow County, North Carolina

to receiving waters named

New River	Stone Creek	Edwards Creek
Courthouse Bay	Brinson Creek	Gillets Creek
Scales Creek	Beaver Dam Creek	Intercoastal Waterway
North East Creek	Wilson Bay	

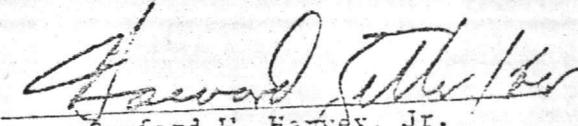
in accordance with effluent limitations, monitoring requirements and other conditions set forth herein.

This permit shall become effective on MAR 26 1990

This permit and the authorization to discharge shall expire at midnight,

MAR 26 1995

Signed FEB 26 1990

  
Sanford W. Harvey, Jr.  
Director  
Enforcement Division

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 001 - Camp Gieger STP.

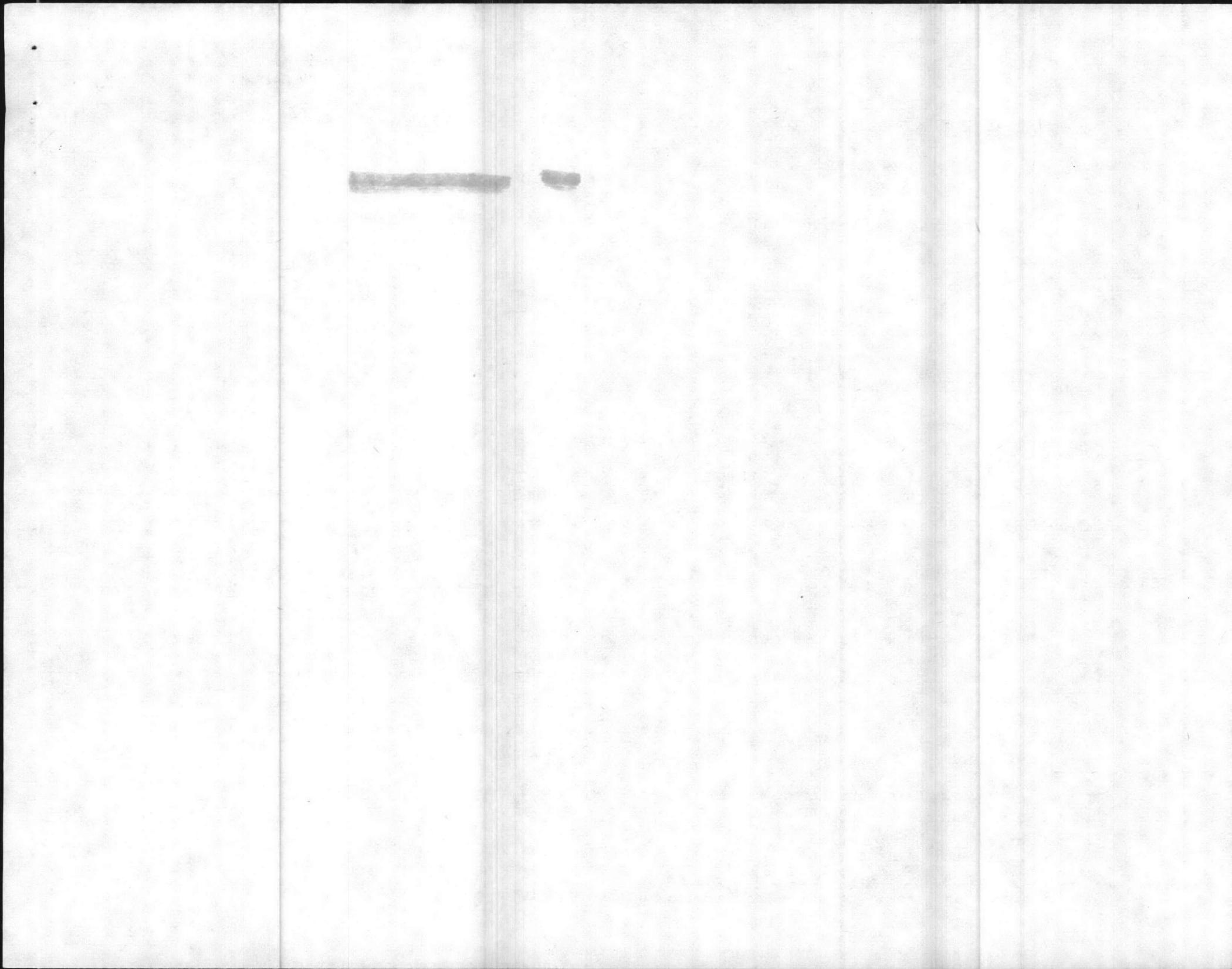
Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	6056(1.600)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	181.8(400.6)	272.8(600.8)	30mg/l	45mg/l	2/week	Composite	Influent & Effluent
Suspended Solids	181.8(400.6)	272.8(600.8)	30mg/l	45mg/l	2/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	2/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 2/week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number **002 - Tarawa Terrance STP.**

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	4731(1.25)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	142.1(312.9)	213.1(469.4)	30mg/l	45mg/l	2/week	Composite	Influent & Effluent
Suspended Solids	142.1(312.9)	213.1(469.4)	30mg/l	45mg/l	2/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	2/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed (15) percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 2/week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.

—

## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 003 - Montfort Point STP.

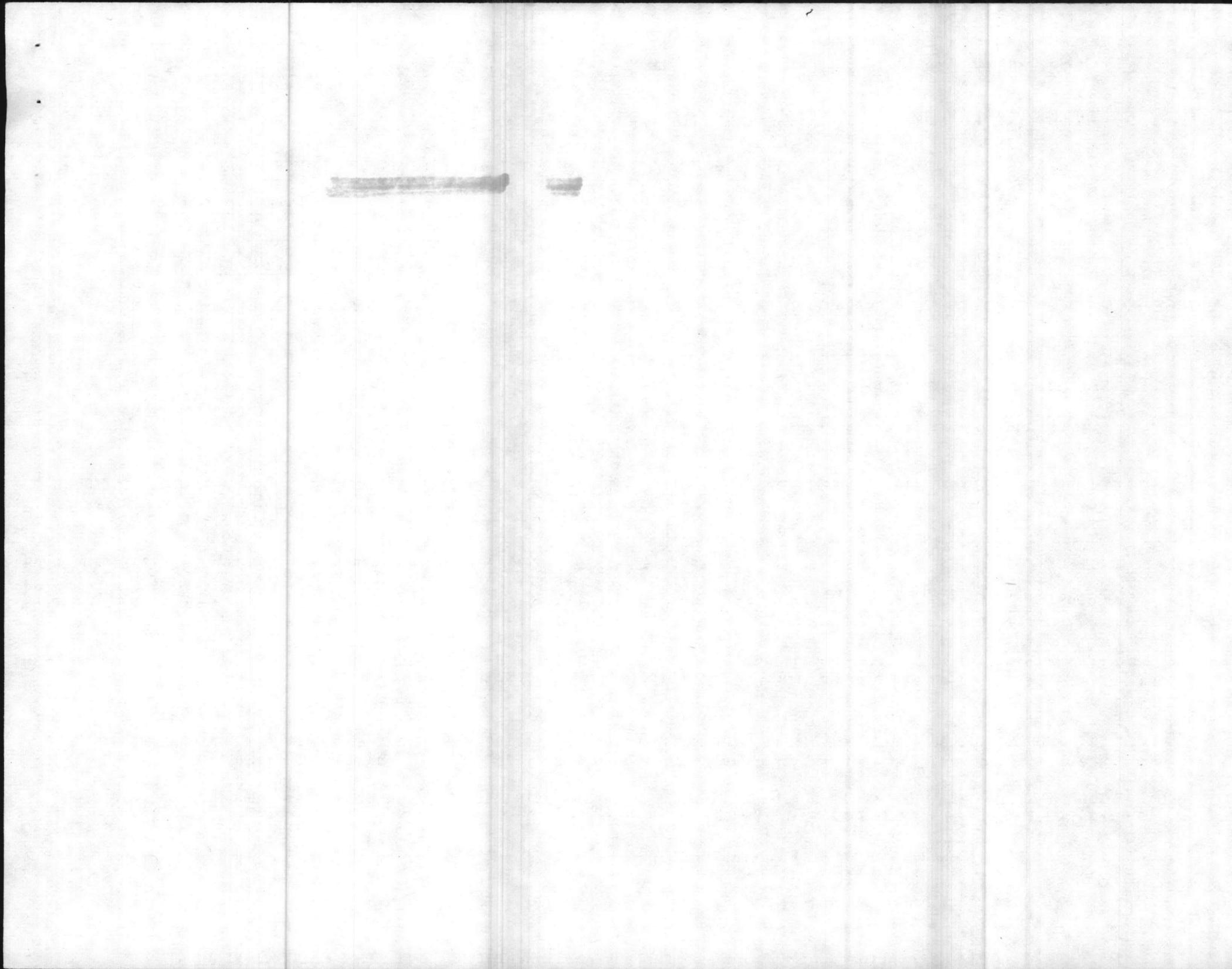
Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	3785(1.00)						
Biochemical Oxygen Demand (5 day)	113.6(250.3)	170.5(375.5)	30mg/l	45mg/l	2/week	Composite	Influent & Effluent
Suspended Solids	113.6(250.3)	170.5(375.5)	30mg/l	45mg/l	2/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	2/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 2/week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During the period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 004 Had Not Point STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	30,280(8.00)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	909.3(2002.8)	1362.9(3004.2)	30mg/l	45mg/l	5/week	Composite	Influent & Effluent
Suspended Solids	909.3(2002.8)	1362.9(3004.2)	30 mg/l	45mg/l	5/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	3/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 3/week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above stated Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During this period beginning modification effective date and lasting through permit expiration, the permittee is authorized to discharge from outfall serial number 005 Rifle Range STP

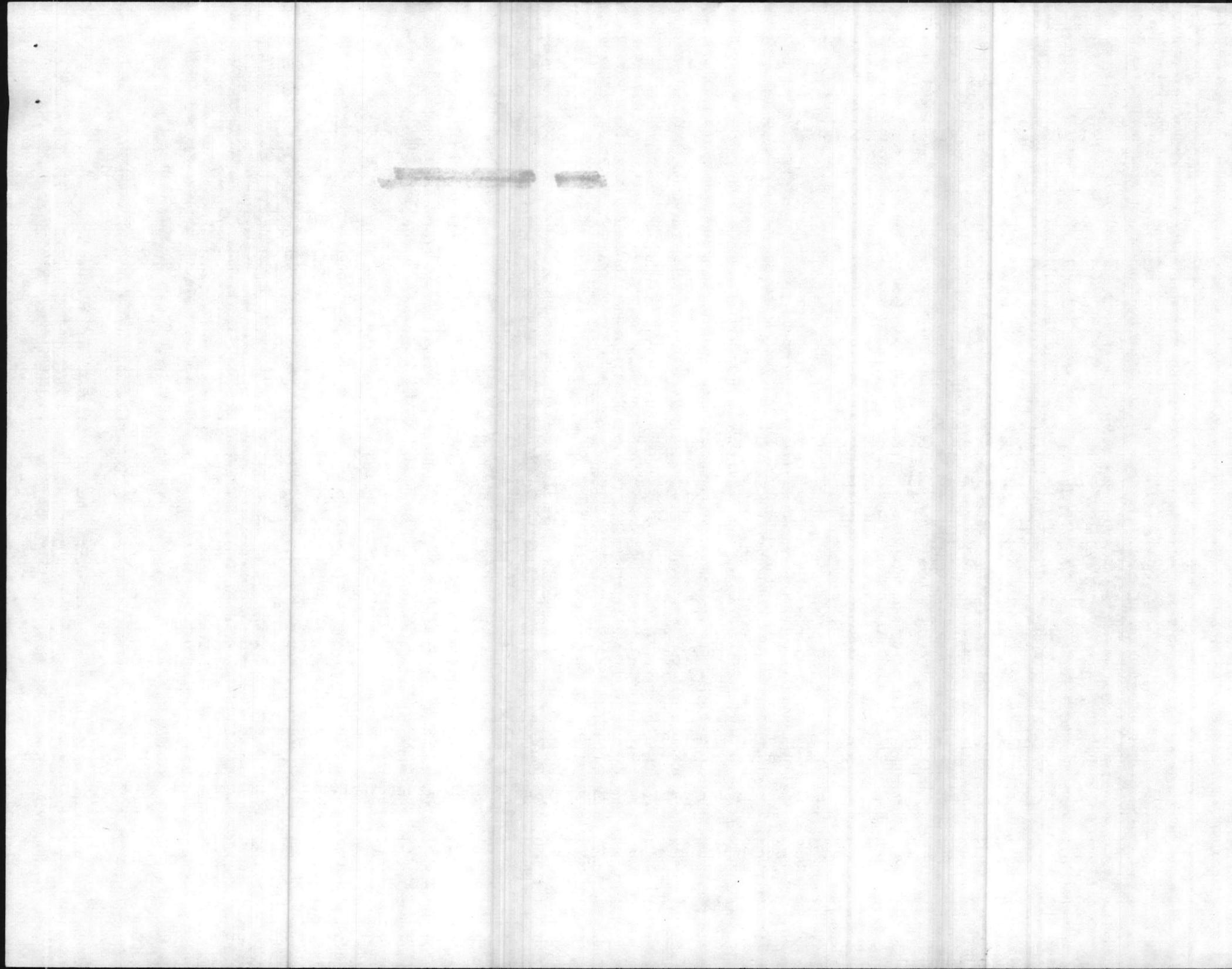
Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	1987(0.525)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	59.7(131.4)	89.5(197.1)	30mg/l	45mg/l	1/week	Composite	Influent & Effluent
Suspended Solids	59.7(131.4)	89.5(197.1)	30mg/l	45mg/l	1/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	1/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored By grab sample 1 week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above stated Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During this period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall serial number 006 - Courthouse Bay STP.

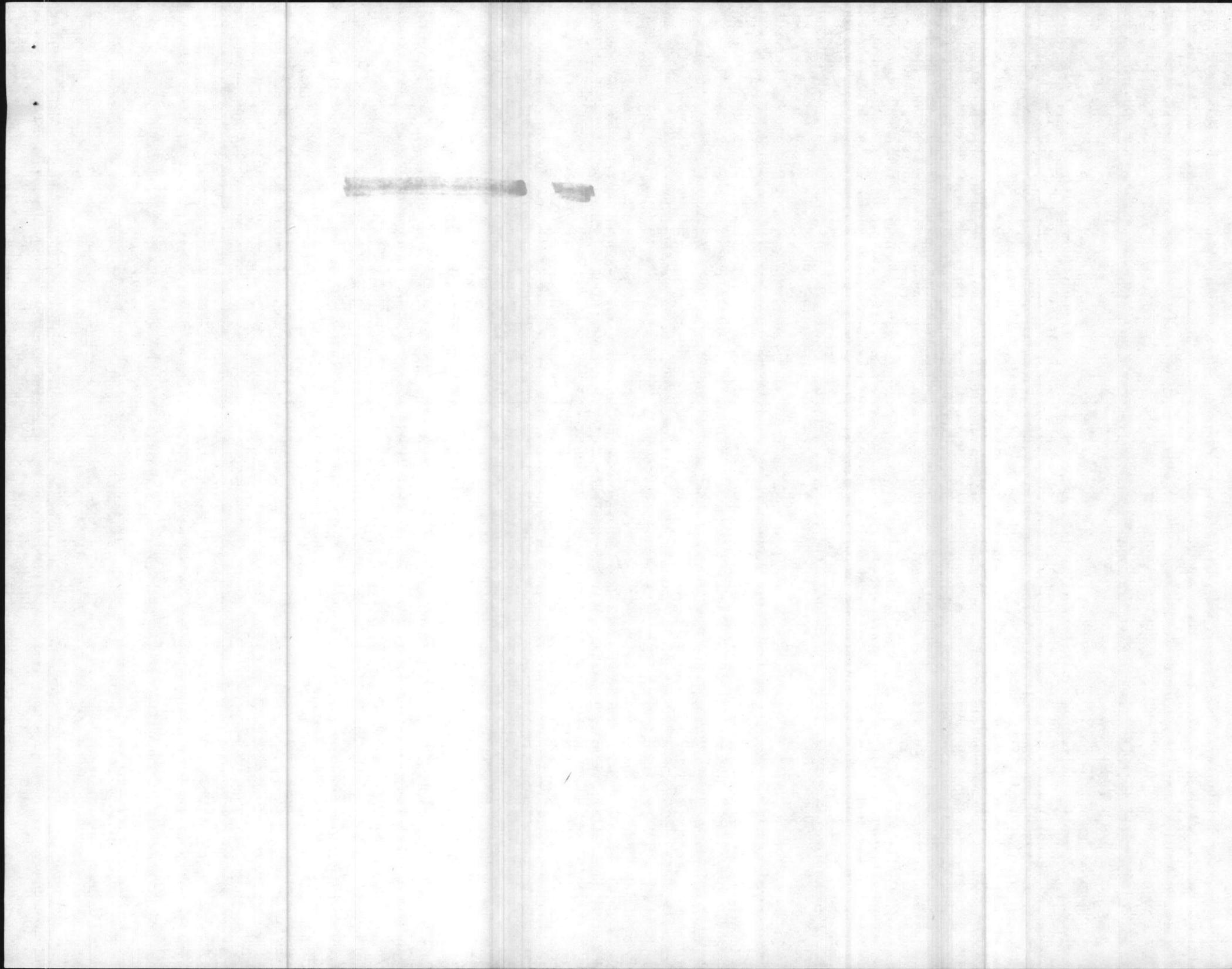
Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	1987(0.525)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	59.7(131.4)	89.5(1971.1)	30mg/l	45mg/l	1/week	Composite	Influent & Effluent
Suspended Solids	59.7(131.4)	89.5(1971.1)	30mg/l	45mg/l	1/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	1/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 1/week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above Fecal Coliform Requirements.



## A. (1) EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS (FINAL)

1. During the period beginning Modification Effective Date and lasting through Permit Expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 007 - Onslow Beach STP.

Such discharges shall be limited and monitored by the permittee as specified below:

PARAMETER	DISCHARGE LIMITATIONS				MONITORING REQUIREMENTS		
	kg/day(lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	Sampling Point
	Monthly Average	Weekly Average	Monthly Average	Weekly Average			
Flow, M <sup>3</sup> /day (MGD)	757(0.200)				Daily	N/A	Influent or Effluent
Biochemical Oxygen Demand (5 day)	22.7(50.1)	34.1(75.1)	30mg/l	45mg/l	1/week	Composite	Influent & Effluent
Suspended Solids	22.7(50.1)	34.1(75.1)	30mg/l	45mg/l	1/week	Composite	Influent & Effluent
Fecal Coliform Bacteria, Geometric Mean			200/100 ml	400/100 ml	1/week	Grab	Effluent
Chlorine Residual <sup>(1)</sup>					Daily	Grab	Effluent

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

- In addition to the specified limits, the monthly average effluent BOD<sub>5</sub> and suspended solids concentration shall not exceed 15 percent of the respective monthly average influent concentrations.
- The pH of the effluent shall not be less than 6.0 standard units nor greater than 9.0 standard units and shall be monitored by grab sample 1/week.
- There shall be no discharge of floating solids or visible foam in other than trace amounts.
- The effluent shall not cause a visible sheen on the receiving water.

(1) Minimum concentration that assures continuous compliance with above stated Fecal Coliform Requirements.

1

**A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS**

During the period beginning effective date and lasting through expiration the permittee is authorized to discharge from outfall(s) serial number(s) (1)

Such discharges shall be limited and monitored by the permittee as specified below: (2)

<u>Effluent Characteristic</u>	<u>Discharge Limitations</u>				<u>Monitoring Requirements</u>	
	kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type
	Daily Avg	Daily Max	Daily Avg	Daily Max		
Flow—m <sup>3</sup> /Day (MGD)	—	—	—	—		
Suspended Solids			30 mg/l	50 mg/l	1/week	Equal Volume Composite

- (1) 008 - WTP, Hadnot Point
- 009 - WTP, Montford Point
- 010 - WTP, Tarawa Terrace
- 011 - WTP, Courthouse Bay
- 012 - WTP, Rifle Range
- 013 - WTP, Holcomb Boulevard
- 014 - WPT, Onslow Beach
- 015 - WTP, New River

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.

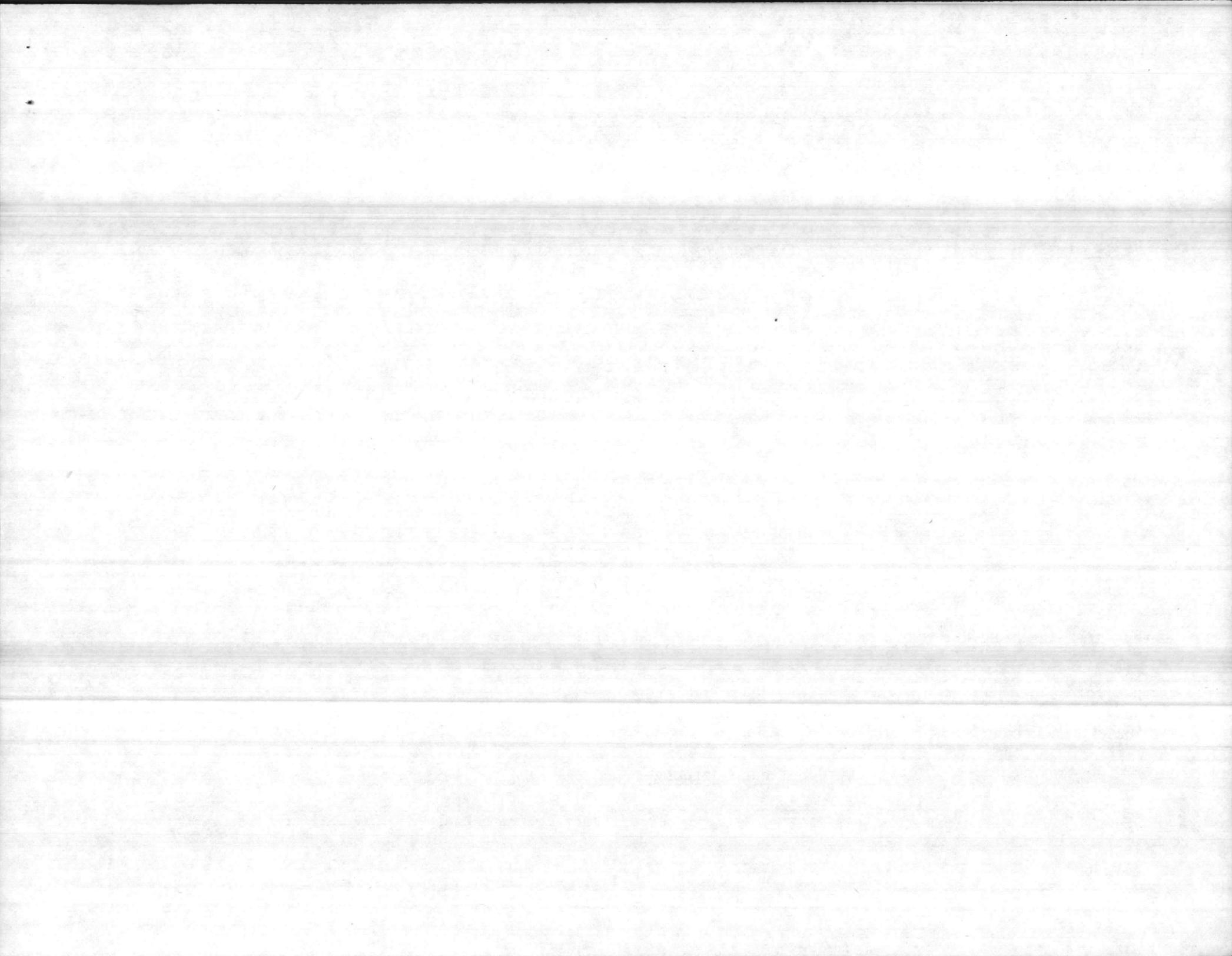
The pH shall not be less than 6.0 standard units nor greater than 10.0 standard units and shall be monitored 1/week by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.

Samples taken in compliance with the monitoring requirements specified above shall be taken at the following location(s):

- (2) See attached Federal Facility Compliance Agreement.

PART I  
 Page 9 of 25  
 Permit No. NC0003239



PART I

Page 10 of 25

Permit No. NC0003239

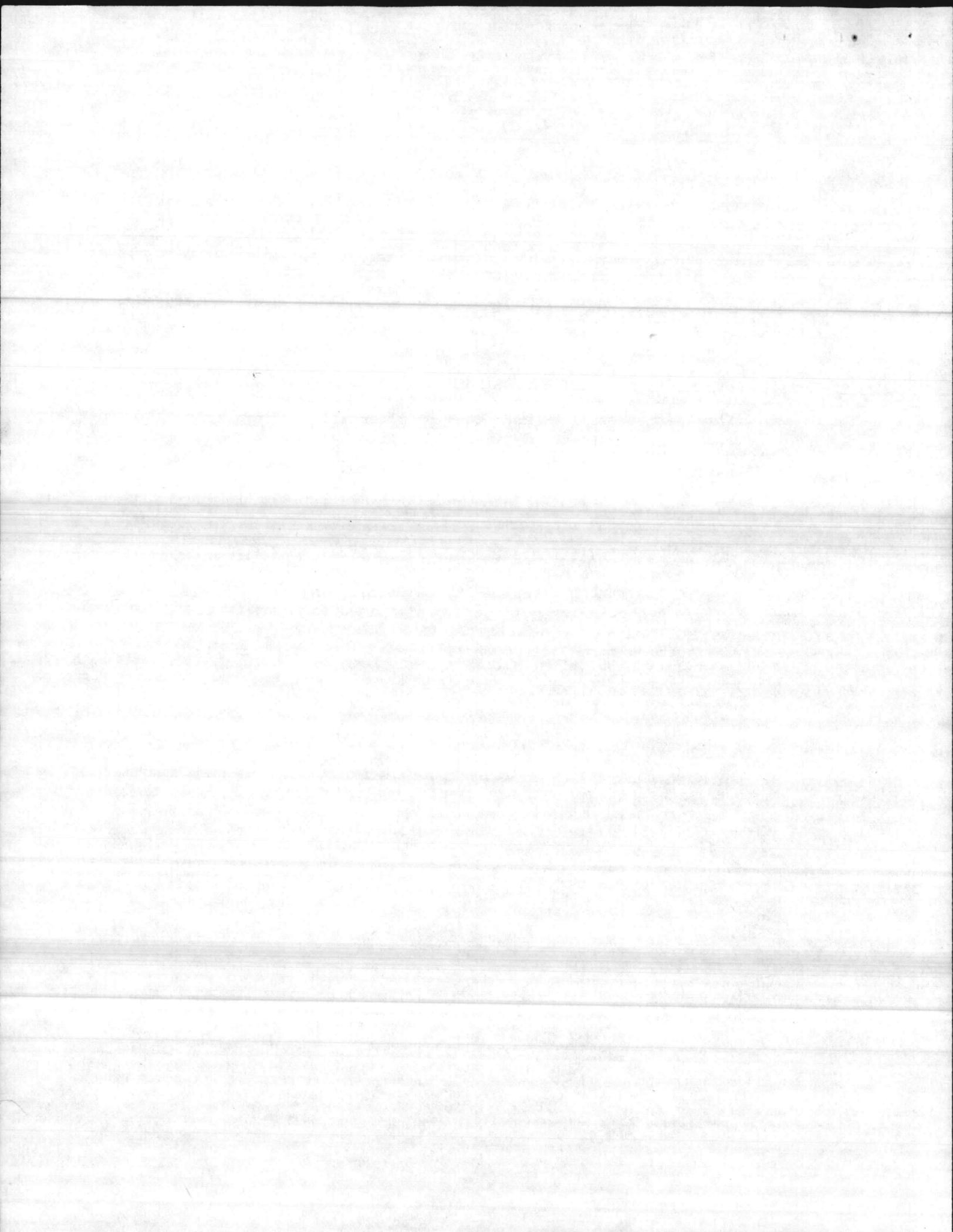
B. SCHEDULE OF COMPLIANCE (Applicable on Discharge Serial Nos. 001, 002, 003, 004, 005, 006, and 007)

1. The permittee shall achieve compliance with the effluent limitations specified for discharges in accordance with the following schedule:

- a. Permittee shall comply with the effluent limitations by the effective date of the permit.
- b. This permit shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved:
  - (1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
  - (2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

2. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next scheduled requirement.



C. MONITORING AND REPORTING

1. Representative Sampling

Samples and measurements taken as required herein shall be representative of the volume and nature of the monitored discharge.

2. Reporting

Monitoring results obtained during the previous 3 months shall be summarized for each month and reported on a Discharge Monitoring Report Form (EPA No. 3320-1 or T-40) postmarked no later than the 28th day of the month following the completed reporting period. The first report is due on \* Duplicate signed copies of these, and all other reports required herein, shall be submitted to the Regional Administrator and the State at the following addresses:

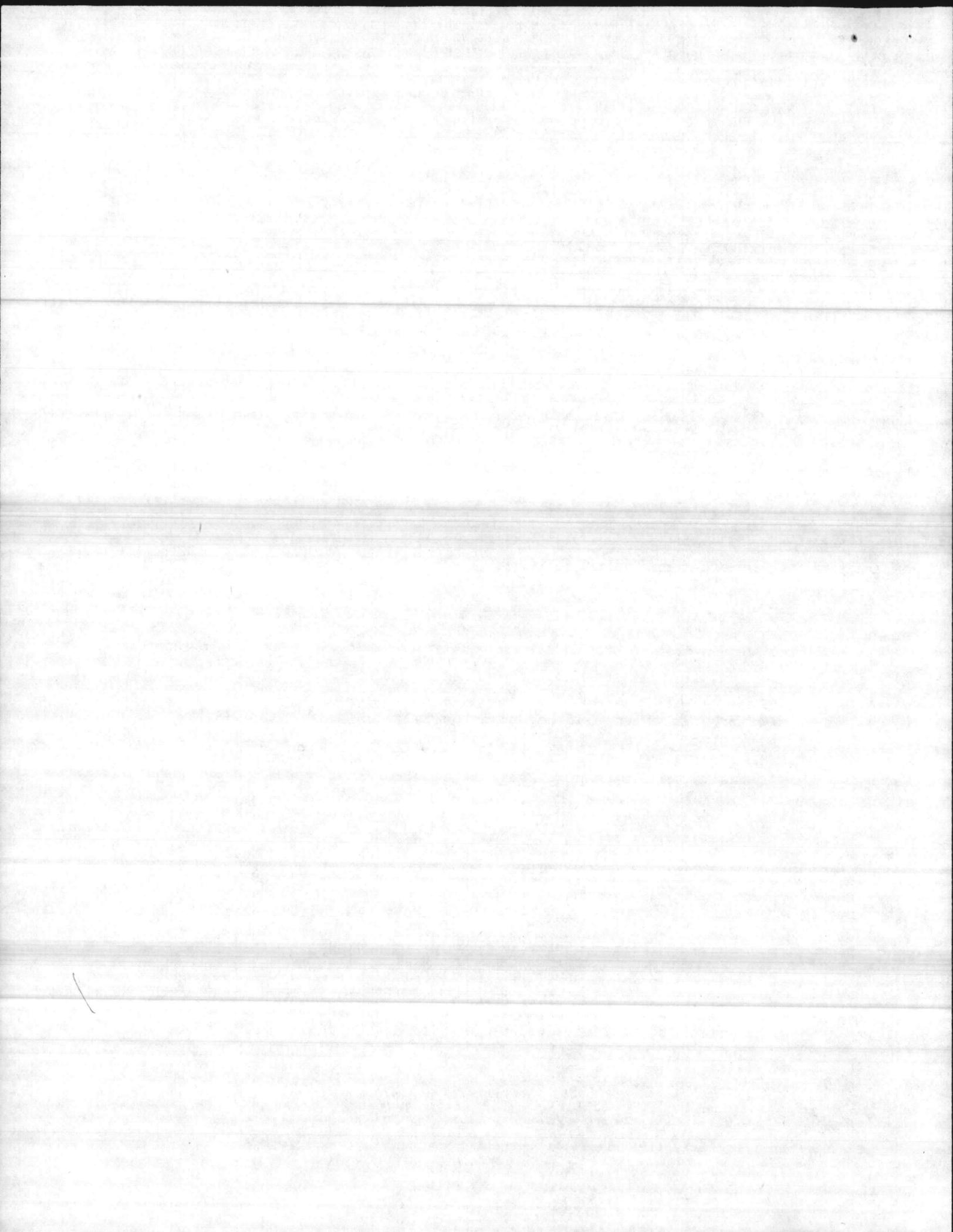
Water Enforcement Branch  
Environmental Protection Agency  
Region IV  
345 COURTLAND STREET N.E.  
ATLANTA GA 30308

North Carolina Department of  
Natural and Economic Resources  
P. O. Box 27687  
Raleigh, North Carolina 27611

3. Definitions

- a. The monthly average, other than for fecal coliform bacteria, is the arithmetic mean of all the composite samples collected in a one-month period. The monthly average for fecal coliform bacteria is the geometric mean of samples collected in a one-month period.
- b. The weekly average, other than for fecal coliform bacteria, is the arithmetic mean of all the composite samples collected during a one-week period. The weekly average for fecal coliform bacteria is the geometric mean of samples collected in a one-week period.
- c. Flow, M<sup>3</sup>/day (MGD): The flow limit expressed in this permit is the 24 hour average flow, averaged monthly. It is determined as the arithmetic mean of the total daily flows recorded during the calendar month.
- d. Arithmetic Mean: The arithmetic mean of any set of values is the summation of the individual values divided by the number of individual values.

\* at the end of the first full quarter following the effective date of the permit.



- e. Geometric Mean: The geometric mean of any set of values is the  $N^{\text{th}}$  root of the product of the individual values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered to be one (1).
- f. Composite Sample: A "composite sample" is any of the following:
  - (1) Not less than four influent or effluent portions collected at regular intervals over a period of 8 hours and composited in proportion to flow.
  - (2) Not less than four equal volume influent or effluent portions collected over a period of 8 hours at intervals proportional to the flow.
  - (3) An influent or effluent portion collected continuously over a period of 24 hours at a rate proportional to the flow.
- g. Grab Sample: A "grab sample" is a single influent or effluent portion which is not a composite sample. The sample(s) shall be collected at the period(s) most representative of the total discharge.

4. Test Procedures

Test procedures for the analysis of pollutants shall conform to regulations published pursuant to Section 304(g) of the Federal Water Pollution Control Act, As Amended. (Federal Register, October 16, 1973; Title 40, Chapter I, Sub-chapter D, Part 136 "Guidelines Establishing Test Procedures for the Analysis of Pollutants".)

5. Recording of Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed;
- c. The person(s) who performed the analyses.
- d. The analytical techniques or methods used; and
- e. The results of all required analyses



PART I

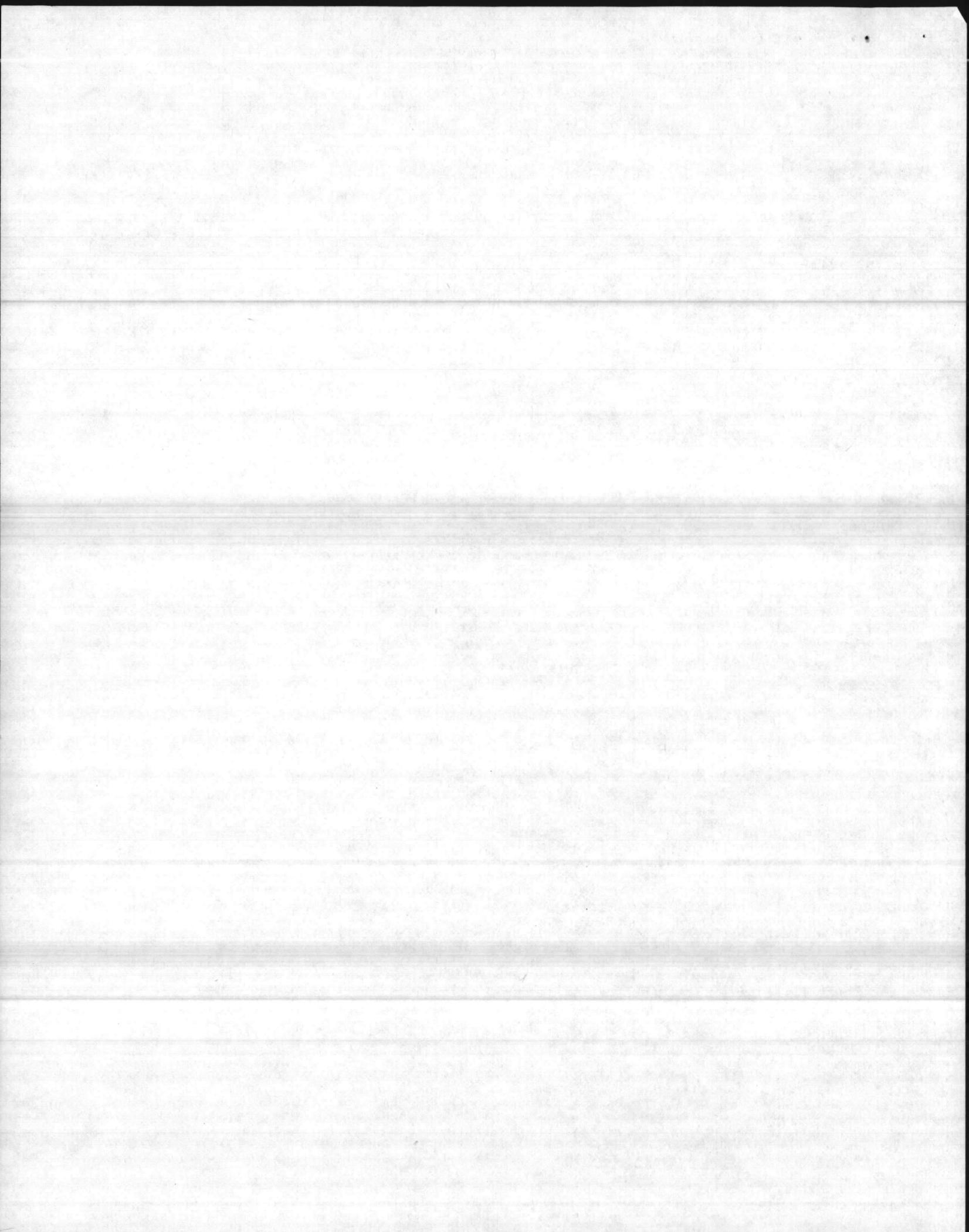
Page 13 of 25  
Permit No.: NC0003239

6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the Discharge Monitoring Report Form (EPA No. 3320-1 or T-40). Such increased frequency shall also be indicated.

7. Records Retention

All records and information resulting from the monitoring activities required by this permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years, or longer if requested by the Regional Administrator or the State water pollution control agency.



A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants ~~will~~ **MUST** be reported by submission of a new NPDES application ~~or~~, if such changes ~~will~~ **will** ~~not~~ violate the effluent limitations specified in this permit, by **notice to** the permit issuing authority of such changes. Following such notice, ~~the~~ permit may be modified to specify and limit any pollutants not previously limited.

2. Non compliance Notification

If, for any reason, the permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, the permittee shall provide the Regional Administrator and the State with the following information, in writing, within five (5) days of becoming aware of such condition:

- a. A description of the discharge and cause of noncompliance; and
- b. The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate and prevent recurrence of the noncomplying discharge.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Bypassing

Any diversion from or bypass of facilities necessary to maintain compliance with the terms and conditions of this permit is prohibited, except (i) where

[REDACTED]

[REDACTED]

PART II

Page 15 of 25

Permit No.: NCC003239

unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. All permittees who have such sewer bypasses or overflows of this discharge shall submit, not later than six months from the date of issue of this permit, detailed data or engineering estimates which identify:

- a. The location of each sewer system bypass or overflow;
- b. The frequency, duration and quantity of flow from each sewer system bypass or overflow.

This requirement is waived where infiltration/inflow analyses are scheduled to be performed as part of an Environmental Protection Agency facilities planning project.

6. Removed Substances

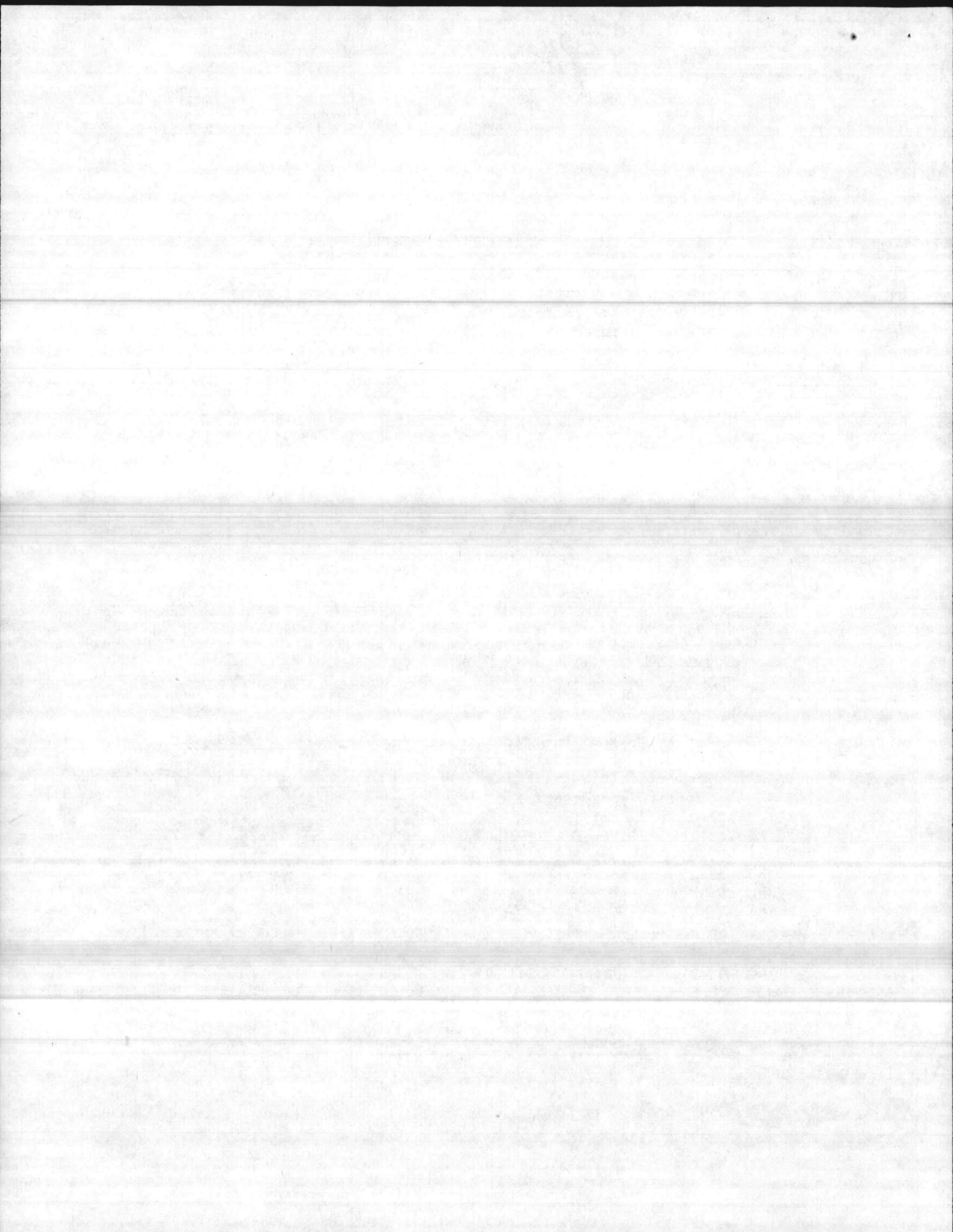
Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in a manner such as to prevent any pollutant from such materials from entering navigable waters.

7. Power Failures

The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent. Should the treatment works not include the above capabilities at time of permit issuance, the permittee must furnish within six months to the permitting authority, for approval, an implementation schedule for their installing, or documentation demonstrating that such measures are not necessary to prevent discharge of untreated or inadequately treated wastes. Such documentation shall include frequency and duration of power failures and an estimate of retention capacity of untreated effluent.

8. Onshore or Offshore Construction

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.



B. RESPONSIBILITIES

1. Right of Entry

The permittee shall allow the head of the State water pollution control agency, the Regional Administrator, and/or their authorized representatives, upon the presentations of credentials:

- a. The enter upon the permittee's premises where an effluent source is located or in which any records are required to be kept under the terms and conditions of this permit; and
- b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.

2. Transfer of Ownership or Control

In the event of any change in control or ownership or facilities from which the authorized discharges emanate, the permittee shall notify the succeeding owner or controller of the existence of this permit by letter, a copy of which shall be forwarded to the Regional Administrator and the State water pollution control agency.

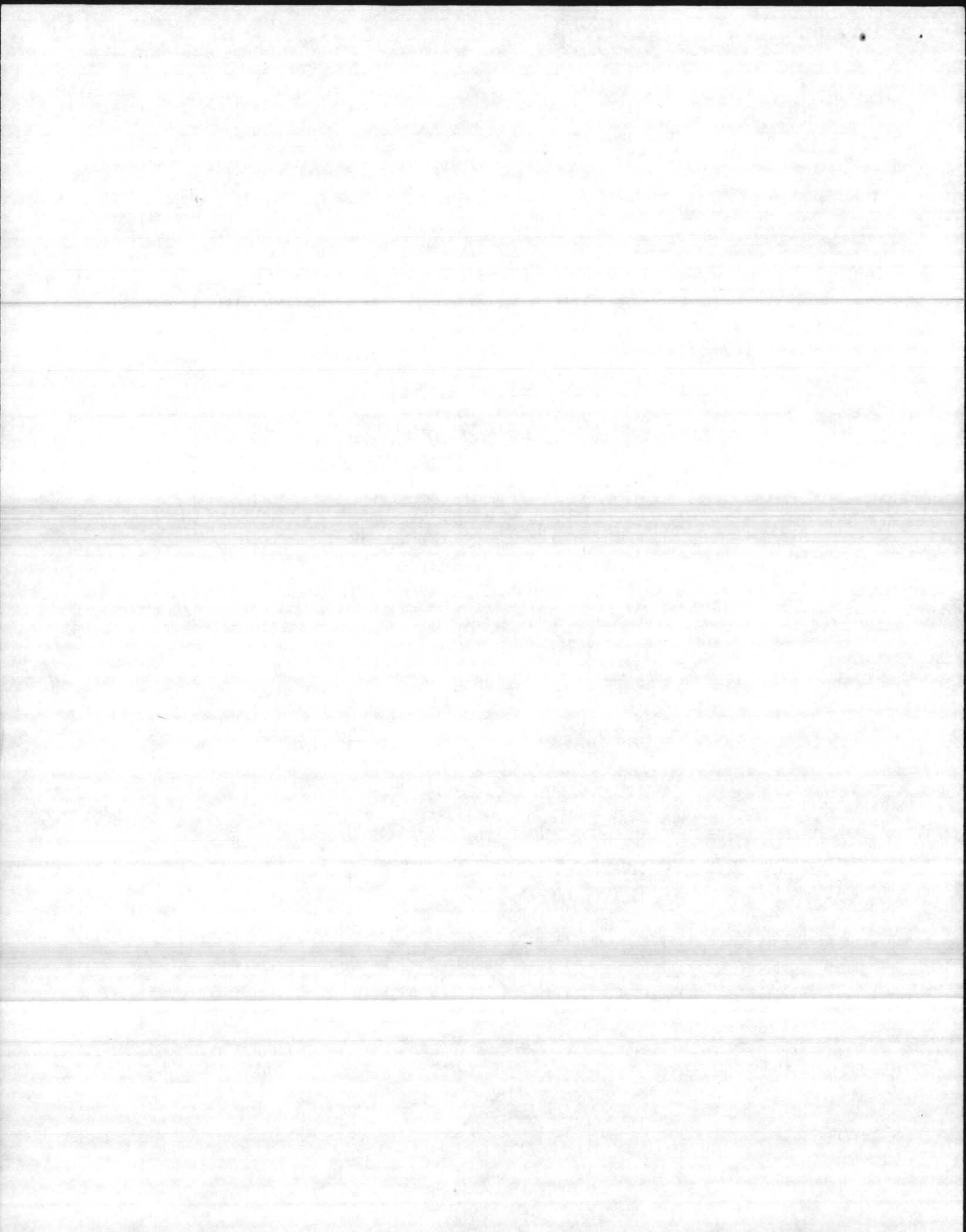
3. Availability of Reports

Except for data determined to be confidential under Section 308 of the Act, all reports prepared in accordance with the terms shall be available for public inspection at the offices of the State water pollution control agency and the Regional Administrator. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in Section 309 of the Act.

4. Permit Modification

After notice and opportunity for a hearing, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.



## 5. Toxic Pollutants

40 CFR 129

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the permittee so notified.

## 6. Civil and Criminal Liability

Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from civil or criminal penalties for noncompliance.

## 7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject under Section 311 of the Act.

## 8. State Laws

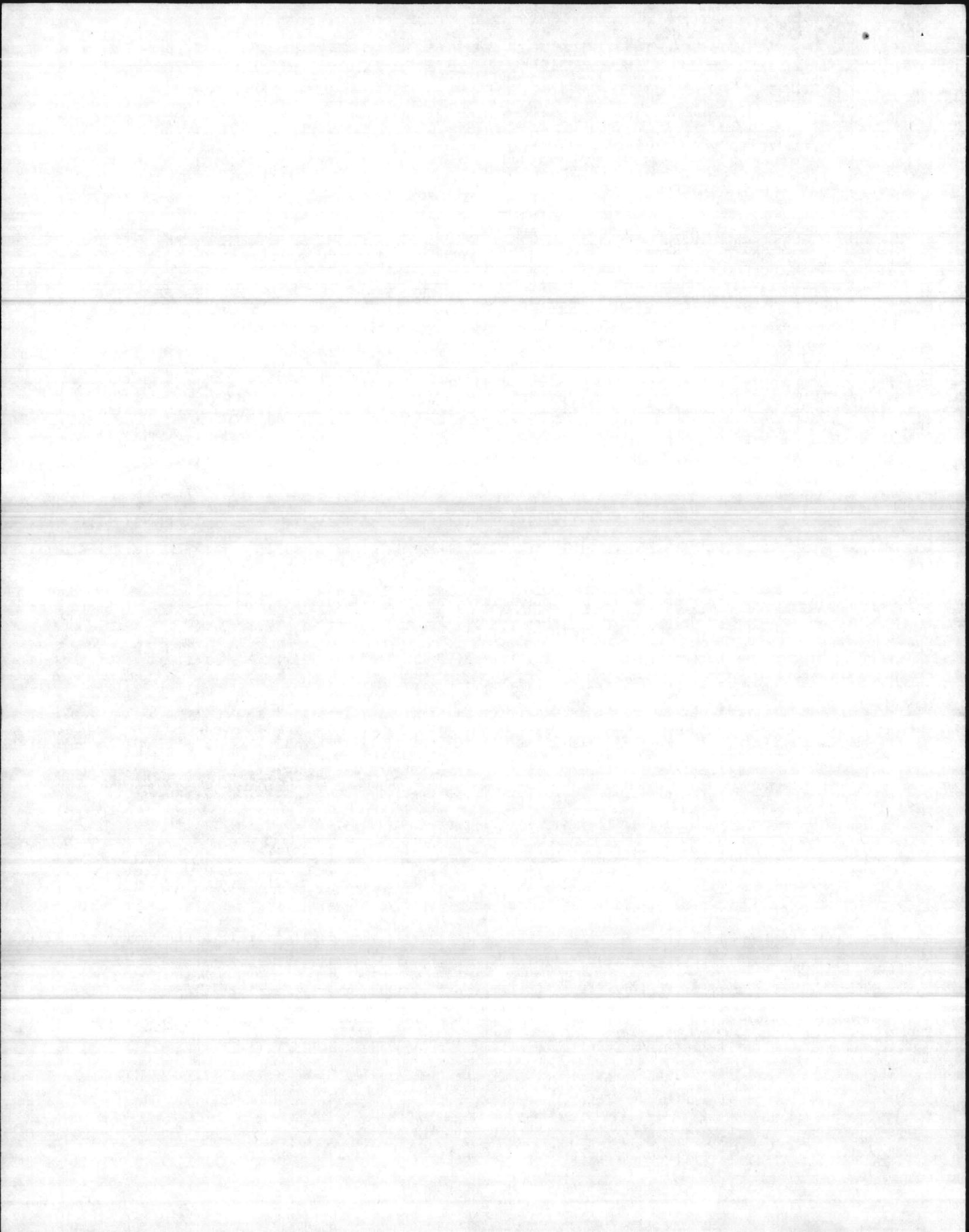
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State law or regulation under authority preserved by Section 510 of the Act.

## 9. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State, or local laws or regulations.

## 10. Severability

The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.



11. Expiration of Permit

Permittee is not authorized to discharge after the expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit such information, forms, and fees as are required by the agency authorized to issue permits no later than 180 days prior to the expiration date.

12. Industrial Pretreatment Standards

Permittee shall require any industrial dischargers into the permitted system to meet Federal Pretreatment Standards (40 CFR, Part 125) promulgated in response to Section 307(b) of the Act. The permittee shall provide yearly reports to the permitting agency regarding the pretreatment requirements which have been imposed on each major contributing industry and the results achieved therefrom. Other information may be needed regarding new industrial discharges and this will be requested from the permittee after the permitting agency has received notice of the new industrial discharge.

40 CFR 403

A major contributing industry is one that: (1) has a flow of 50,000 gallons or more per average work day; (b) has a flow greater than five percent of the flow carried by the municipal system receiving the waste; (c) has in its waste a toxic pollutant in toxic amounts as defined in standards issued under Section 307(a) of the Act; (d) has significant impact either singly or in combination with other contributing industries, on the treatment works or the quality of its effluent.

Any change in the definition of a major contributing industry as a result of promulgations in response to Section 307 of the Act shall become a part of this permit.

13. Control of User Discharges to the System:

(a) Under no circumstances shall the permittee allow introduction of the following wastes into the waste treatment system:

Wastes which create a fire or explosion hazard in the treatment works.

Wastes which will cause corrosive structural damage to treatment works.

Solids or viscous substances in amounts which cause obstructions to the flow in sewers or interference with the proper operation of the treatment works.

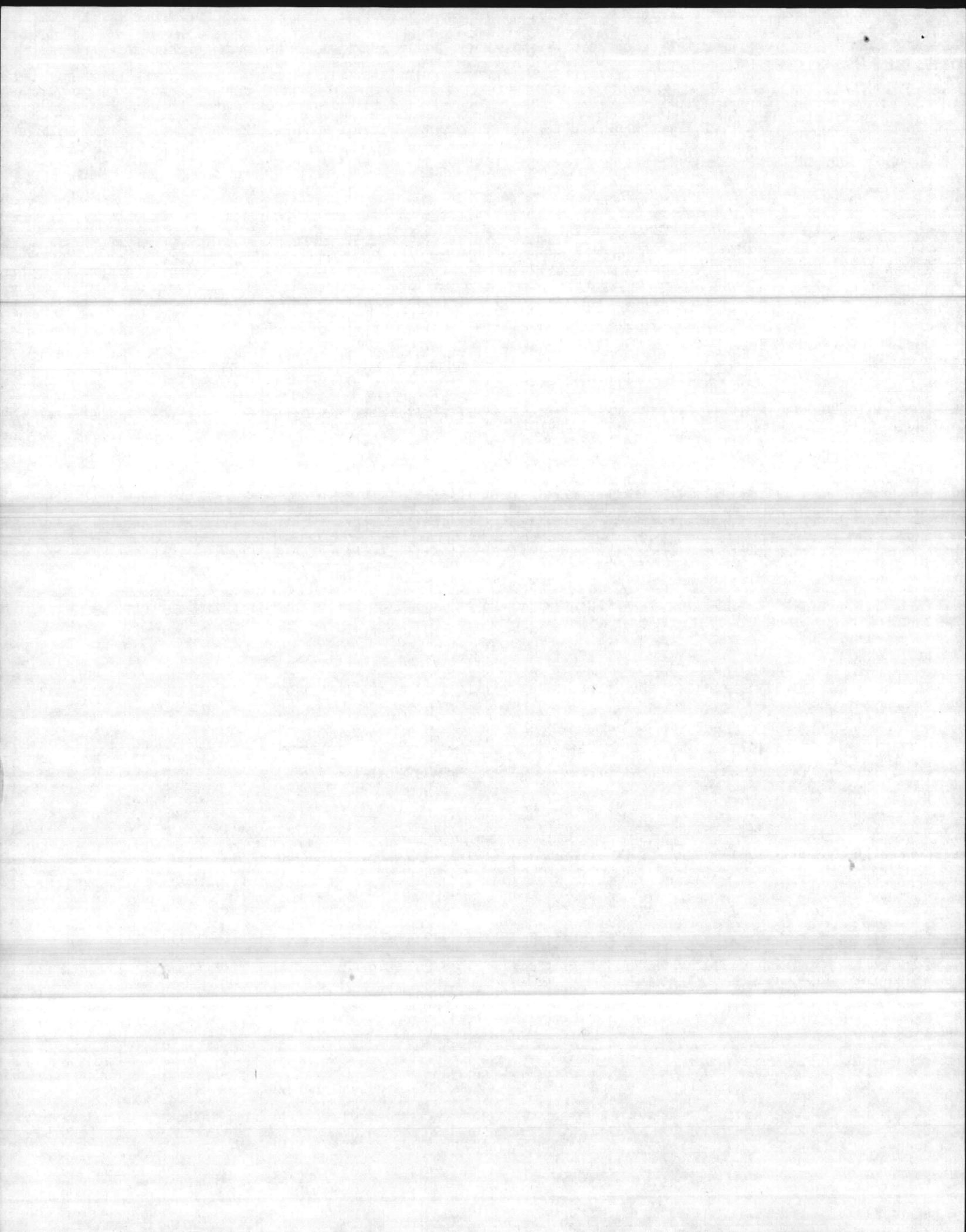
Wastewaters at a flow rate and/or pollutant discharge rate which is excessive over relatively short time periods so as to cause a loss of treatment efficiency.

[REDACTED]

[REDACTED]

- (b) The permittee shall notify the permitting agency of any of the following changes in user discharge to the system no later than 180 days prior to change of discharge:
- (1) New introductions into such works of pollutants from any source which would be a new source as defined in Section 306 of the Act if such source were discharging pollutants.
  - (2) New introductions of pollutants into such works from a source which would be subject to Section 301 of the Act if it were discharging such pollutants.
  - (3) A substantial change in volume or character of pollutants being introduced into such works by a source already discharging pollutants into such works at the time the permit is issued.

This notice will include information on the quantity and quality of the wastewater introduced by the new source into the publicly owned treatment works, and on any anticipated impact on the effluent discharged from such works.



## III. OTHER REQUIREMENTS

## A. Discharge Sources

1. Potable and Industrial Water Treatment Facilities: Facilities for removal of objectionable constituents such as suspended solids, taste, odor, hardness or dissolved solids so that the product may be utilized for domestic supply (drinking water) or industrial purposes. Discharges include sludges, filter backwash, brines and ion exchange regeneration wastes.
2. Cooling Systems: Facilities for the removal of waste heat by transfer to water, all or a portion of which is then discharged. Discharges include blowdown, once through cooling water and wastes from cleaning of the system.
3. Boilers: Facilities for the transfer of heat produced by combustion to water which is then used in liquid form or converted to steam. Discharges include blowdown, bleed off and waste from cleaning of the system.
4. Vehicle and Equipment Cleaning Facilities: Facilities for cleaning of aircraft, motor vehicles and other equipment by washing, brushing, abrasion, steam cleaning, paint stripping, chemical degreasing, or other methods.
5. Painting and Corrosion Control Facilities: Facilities for the application of primer, paint, undercoating, or other protective coatings or corrosion control compounds with the exception of metal finishing operations involving plating, galvanizing or anodizing.
6. Petroleum Storage and Handling Areas: Areas utilized for the storage or transfer of fuel, lubricants, solvents or other petroleum products.
7. Vehicle and Equipment Maintenance Facilities: Facilities utilized for maintenance and repair of vehicles, engineer equipment and other equipment.
8. Battery Rework Facilities: Facilities utilized for the maintenance, repair or charging of storage batteries.
9. Photographic Laboratories: Facilities utilized for processing of photographic materials.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

10. Firefighter Training Areas: Areas or facilities utilized for training of fire protection personnel utilizing fire and extinguishing materials.
11. Storm Sewers: Systems consisting primarily of closed conduits (i. e., pipes as opposed to open conduits or ditches) which are designed for the collection and transport of surface runoff resulting from precipitation but which may also receive waste discharges from one or more sources.

B. Additional Permitted Discharges

1. Applicability

The discharge limitations and monitoring requirements below are applicable to all discharges from sources defined in Part III A with the exception of:

- a. Discharges from such sources which are identified as serially numbered discharges in an NPDES permit.
- b. Discharges from such sources which are directed to a treatment facility the discharge from which is authorized by an NPDES permit.

Discharges from such sources which when combined with other discharges or surface runoff form a discharge which is identified as a serially numbered discharge in an NPDES permit but which is not the discharge or effluent from a treatment facility, are subject to the requirements specified below.

2. General Conditions

Discharge from sources identified in Part III A are authorized provided that:

- a. Such discharge is in conformance with the limitations and monitoring requirements specified below:

3. Discharge Limitations and Monitoring Requirements

During the period beginning effective date, and lasting through expiration, discharges from the sources identified in Part III A shall be limited and monitored<sup>(1)</sup> by the permittee in accordance with the conditions below:

(1) See attached Federal Facility Compliance Agreement

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

## a. General Requirements

Unless otherwise specified the following requirements are applicable to all discharges.

- (1) There shall be no discharge of floating solids or visible foam in other than trace amounts.
- (2) The pH shall not be less than 6.0 nor greater than 9.0 and shall be monitored at the frequency specified for flow.

## b. Discharge Limitations and Monitoring Requirements

- (1) Potable and industrial water treatment facilities including filters, softeners and demineralizers.

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
Suspended Solids	30 mg/l	50 mg/l	1/Week (1)	Equal Volume Composite

Note

(1) May be reduced to 1/month for discharges less than 50,000 gpd (daily maximum).

- (2) Cooling water, cooling tower blowdown and cleaning wastes originating at space cooling facilities.

<u>Characteristic</u>	<u>Limitations</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow			Quarterly	NA
Chromium (Total)		1.0 mg/l	Quarterly <sup>2</sup>	Grab
Zinc	0.5	1.0 mg/l	Quarterly <sup>2</sup>	Grab
Copper	0.5	1.0 mg/l	Quarterly <sup>2</sup>	Grab
Temperature °C	35	38	Quarterly	Grab
Temperature °F	95	100	Quarterly	Grab
Chlorine Residual		0.2 mg/l	During Addition	Grab

NOTE:

- (1) The above requirements are not applicable where:
  - (a) Facilities discharge less than 10,000 GPD and are specifically utilized for space cooling.
  - (b) Water conditioning chemicals utilized contain no chromium.
  - (c) Discharges do not result in violation of applicable water quality standards.

[REDACTED]

(2) Monitoring of this parameter is not required for discharges to which treatment or conditioning chemicals are not added or where added materials do not contain the material limited.

(3) Boiler blowdown originating at space heating facilities.

<u>Characteristic</u>	<u>Limitations</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow			Quarterly	NA
Temperature °C	35	38	Quarterly	Grab
Temperature °F	95	100	Quarterly	Grab

The pH shall not be less than 6.0 nor greater than 10.0 standard units and shall be monitored quarterly.

NOTE:

- (1) The above requirements are not applicable where:
- Facilities discharge less than 10,000 GPD and are specifically utilized for space heating.
  - Discharges do not result in violation of applicable water quality standards.

(4) Vehicle and Equipment Cleaning Facilities

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
pH	--	--	1/Month	Grab
Oil and Grease	10 mg/l	15 mg/l	1/Month	Grab
Suspended Solids	25 mg/l	40 mg/l	1/Month	Grab
Phenol	1.0 mg/l	2.0 mg/l	1/Month(1)	Grab
Biochemical Oxygen Demand (5 Day)	30 mg/l	45 mg/l	1/Month(2)	Grab
Fecal Coliform Bacteria (no. per 100 ml)	200	--	1/Month(2)	Grab

Notes

- Required only at facilities at which paint stripping is performed.
- Required only at facilities at which sanitation equipment is cleaned.



## (5) Painting and Corrosion Control Facilities

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Daily	N/A
pH	--	--	1/Month	Grab
Oil and Grease	10 mg/l	15 mg/l	1/Month	Grab
Suspended Solids	25 mg/l	40 mg/l	1/Month	Grab
Phenol	1.0 mg/l	2.0 mg/l	1/Quarter	Grab

## (6) Vehicle and Equipment Maintenance Areas

Discharges, including surface runoff resulting from precipitation, shall not contain more than 15 mg/l of oil and grease as a daily maximum and shall be monitored quarterly.

## (7) Petroleum, Oil and Lubricant (POL) Storage and Handling Areas

Discharges, including surface runoff resulting from precipitation, shall not contain more than 15 mg/l of oil and grease as a daily maximum. Discharges from areas with a storage capacity of 40,000 gallons or more shall be monitored quarterly.

## (8) Battery Maintenance

There shall be no discharge of pollutants from battery maintenance facilities.

## (9) Photographic Laboratories

There shall be no discharge of pollutants from photographic laboratories.

## (10) Firefighter Training Areas

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Upon Occurrence	N/A
pH	--	--	1/Quarter	Grab
Biochemical Oxygen Demand (5 Day)	--	45 mg/l	1/Quarter	Grab
Oil and Grease	--	15 mg/l	1/Quarter	Grab
Suspended Solids	--	50 mg/l	1/Quarter	Grab



## (11) Swimming Pools

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Upon Occurrence	N/A
pH	--	--	1/Month	Grab
Suspended Solids	--	40 mg/l	1/Month	Grab
Chlorine Residual (1)	--	0.2 mg/l	1/Month	Grab

Notes

(1) Does not apply when potable water is used for filter backwash.

## (12) Storm Sewers

Note

The discharge limitations specified below are applicable to all discharges from storm sewer systems which receive waste discharges from any sources; they are not applicable to discharges consisting entirely of uncontaminated surface runoff.

<u>Characteristic</u>	<u>Limitation</u>		<u>Monitoring</u>	
	<u>Daily Average</u>	<u>Daily Maximum</u>	<u>Frequency</u>	<u>Type</u>
Flow	--	--	Note 1	
pH	--	--	1/Quarter	Grab
Oil and Grease	--	15 mg/l	1/Quarter	Grab
Suspended Solids	--	50 mg/l(2)	Quarterly	Grab
Temperature °C (°F)	--	38 (100)	1/Quarter	Grab

Notes

- (1) Flow shall be measured or estimated once per quarter.  
 (2) Suspended solids limitations are not applicable during periods of increased discharge resulting from precipitation.

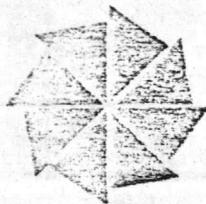
c. Effluent Limitations specified above shall be modified, or alternatively, revoked and reissued, to comply with any applicable effluent standard or limitation issued or approved under sections 301(b)(2) (C), and (D), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent standard or limitation so issued or approved.

- (1) Contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or  
 (2) Controls any pollutant not limited in the permit.

The permit as modified or reissued under this paragraph shall also contain any other requirements of the Act then applicable.

The effluent limits and any additional requirements specified in the attached state certification supersede any less stringent limits listed above. During any time period which more stringent state certification effluent limits are stayed or inoperable, the effluent limits listed above shall be in effect and fully enforceable.





# North Carolina Department of Natural Resources & Community Development

James B. Hunt, Jr., Governor

Howard N. Lee, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT

RECEIVED  
January 30, 1980  
FEB 1 1980  
EPA-REGION IV  
ATLANTA, GA

Mr. George L. Harlow, Chief  
Water Enforcement Branch  
Enforcement Division  
U. S. Environmental Protection Agency  
345 Courtland Street, N.E.  
Atlanta, Georgia 30308

Subject: 401 Water Quality Certification  
Proposed NPDES Permit  
#NC0003239  
Camp Lejeune  
Onslow County

Dear Mr. Harlow:

Pursuant to Section 401 of the Federal Clean Water Act (33 U. S. C. 1251, 1341; hereafter the "Act"), the State of North Carolina issues this Certification to subject application for a National Pollutant Discharge Elimination System (NPDES) permit to discharge into navigable waters.

Having evaluated the applicant's application and having reviewed the conditions to be imposed in the NPDES permit, the State of North Carolina certifies that if the applicant complies with the conditions developed for the NPDES permit, the applicant's discharge will comply with the applicable provision of Section 301 of the Act and appropriate requirements of Chapter 143 of the North Carolina General Statutes. Furthermore, in so far as it can determine, the State of North Carolina certifies that there are no limitations under Section 302 nor standards under Section 306 or 307 which are applicable to the applicant's discharge.

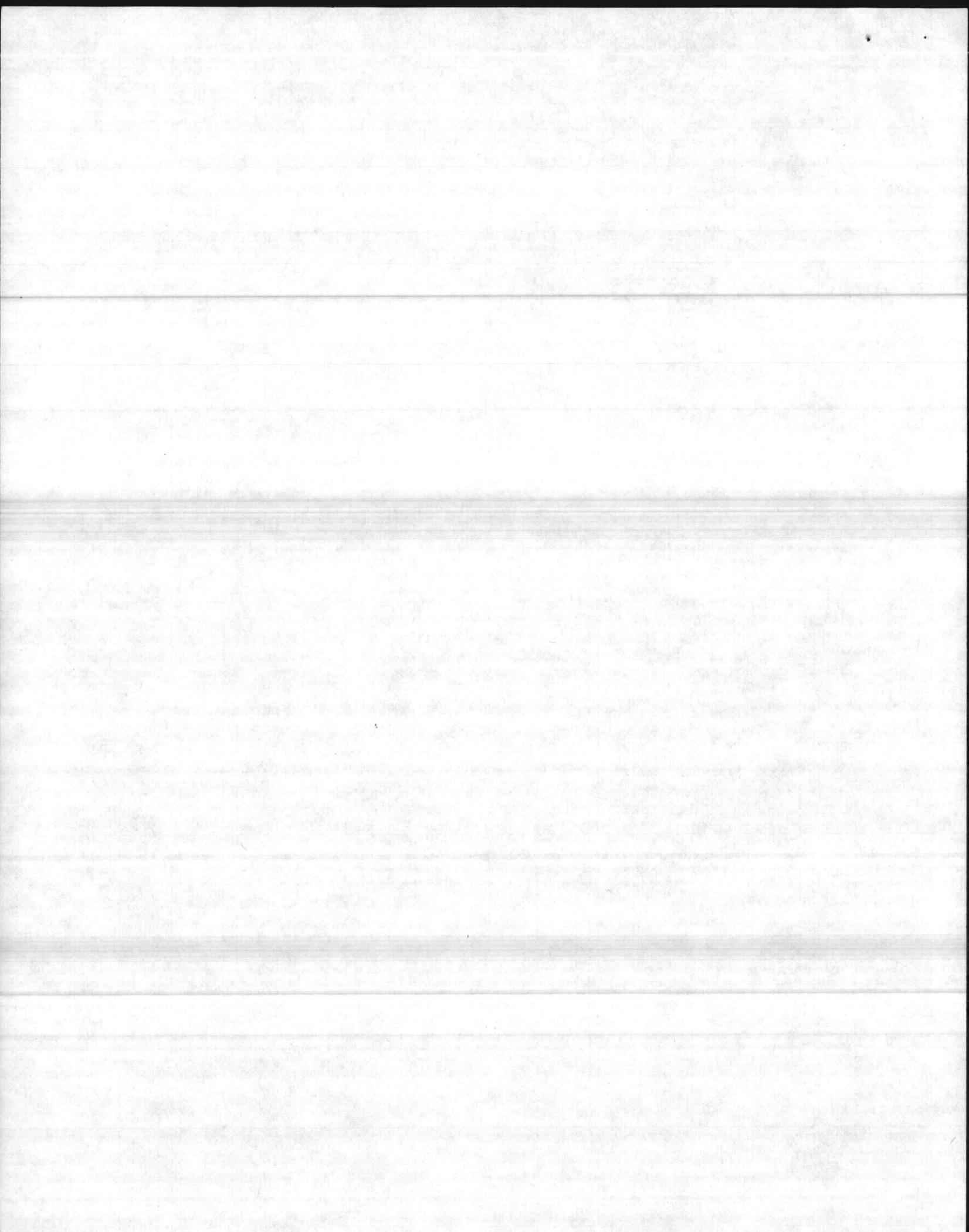
This Certification shall be subject to the permittee complying with attached conditions which are to be included in the NPDES permit.

Yours very truly,

*C. C. Turay*  
for Neil S. Grigg  
Director

Attachments  
WQC 1378

cc: Wilmington Regional Office  
Permits and Engineering

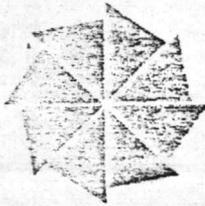


CONDITIONS OF CERTIFICATION

1. That the proposed limits in the Draft NPDES Permit of 200/100 ml for the fecal coliform effluent limitation be changed to 70/100 ml in the issued NPDES Permit for the following serial numbers:
  - a. Onslow Beach Waste Treatment Plant      Serial No. 007
  - b. Courthouse Bay Waste Treatment Plant      Serial No. 006
  - c. Rifle Range Waste Treatment Plant      Serial No. 005
  - d. Hadnot Point Waste Treatment Plant      Serial No. 004

(This change is necessary to protect Water Quality Standard of fecal coliform in "SA" water)

De



# North Carolina Department of Natural Resources & Community Development

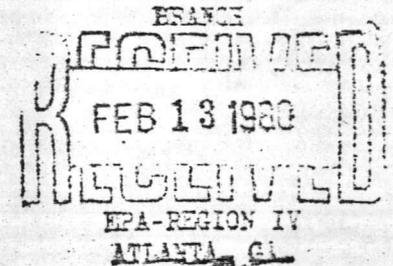
James B. Hunt, Jr., Governor

Howard N. Lee, Secretary

DIVISION OF ENVIRONMENTAL MANAGEMENT

February 4, 1980

Mr. George L. Harlow, Chief  
Water Enforcement Branch  
Enforcement Division  
U.S. Environmental Protection Agency  
345 Courtland Street, N.E.  
Atlanta, Georgia 30308



Subject: 401 Water Quality Certification  
Proposed NPDES Permit  
#NC 0003239  
Camp Lejeune  
Onslow County

Dear Mr. Harlow:

On January 30, 1980, this office forwarded to you a 401 Water Quality Certificate #1378 for the subject project. That certification had one Condition of Certification attached. It read:

1. That the proposed limits in the Draft NPDES Permit of 200/100 ml for the fecal coliform effluent limitation be changed to 70/100 ml in the issued NPDES Permit for the following serial numbers:

a. Onslow Beach Waste Treatment Plant	Serial No. 007
b. Courthouse Bay Waste Treatment Plant	Serial No. 006
c. Rifle Range Waste Treatment Plant	Serial No. 005
d. Hadnot Point Waste Treatment Plant	Serial No. 004

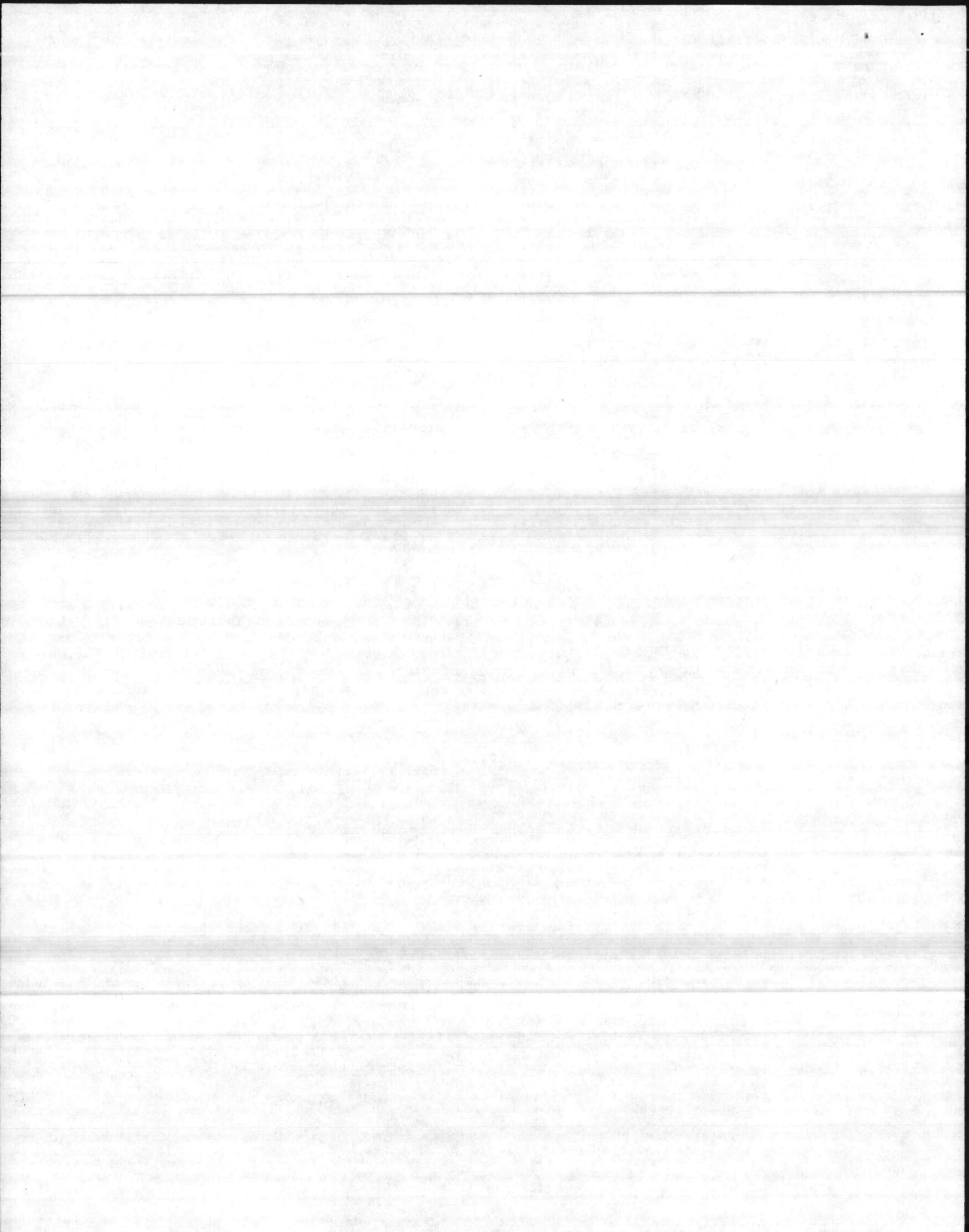
(This change is necessary to protect Water Quality Standard of fecal coliform in "SA" water)

It should have read:

1. That the proposed limits in the Draft NPDES Permit of 200/100 ml for the fecal coliform effluent limitation be changed to 70/100 ml total coliform in the Issued NPDES Permit for the following serial numbers:

a. Onslow Beach Waste Treatment Plant	Serial No. 007
b. Courthouse Bay Waste Treatment Plant	Serial No. 006
c. Rifle Range Waste Treatment Plant	Serial No. 005
d. Hadnot Point Waste Treatment Plant	Serial No. 004

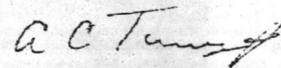
(This change is necessary to protect Water Quality Standard of total coliform in "SA" water)



Mr. George L. Harlow  
February 4, 1980  
Page 2

This correctioned condition should be incorporated into the Issued NPDES Permit. If there are any questions do not hesitate to contact us.

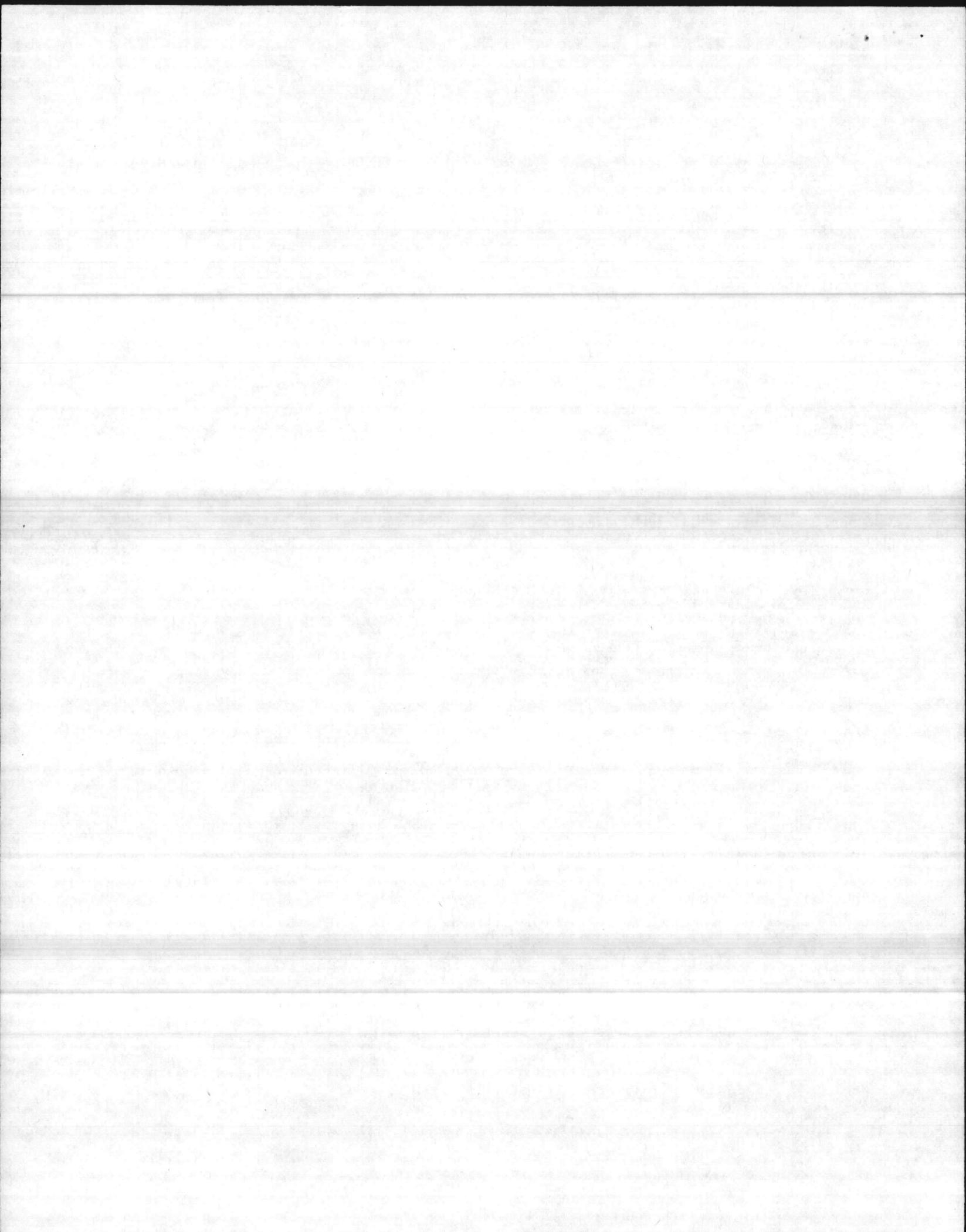
Yours truly,



A. C. Turnage, Jr.,  
Coordinator  
Permits and Engineering

ACT:RLT/cj

cc: Wilmington Regional Office  
Permits and Engineering



U.S. ENVIRONMENTAL PROTECTION AGENCY

REGION IV

U.S. Marine Corps  
Camp Lejeune, North Carolina

and

U.S. Environmental  
Protection Agency,  
Region IV

Federal Facility  
Compliance  
Agreement

The Environmental Protection Agency, Region IV, and the Marine Corps, Camp Lejeune, North Carolina, are the parties to this agreement which is entered into pursuant to Executive Order 12088, October 13, 1978 (43 FR 47707). The Office of Management and Budget and the Department of Justice will take cognizance of this agreement pursuant to their respective duties to assure compliance with the environmental laws under Executive Order 12088 and the particular statutes herein addressed.

SCOPE

1. This agreement is entered into by the parties to assure compliance by the Marine Corps, Camp Lejeune with the Clean Water Act (CWA) (33 USC 1251 et seq.), and implementing regulations.



2. This agreement is not and shall not be construed as a permit under the CWA nor shall it relieve the Marine Corps of any legal obligations under the CWA which are in addition to or different from matters covered in this agreement. This agreement in no way affects requirements for each facility to apply to Region IV for applicable wastewater discharge permits (NPDES).

#### Authorities

3. The duties of the Marine Corps to operate its facilities in compliance with the Clean Water Act are prescribed in Section 313 of the Clean Water Act (33 USC 1323). Executive Order 12088 was promulgated to ensure Federal compliance with applicable pollution control standards. This agreement contains a "plan" as described in Section 1-601 of Executive Order 12088 to achieve and maintain compliance with water pollution control standards.

#### Statement of Facts

4. The following facilities are owned, operated, or under the control of the Marine Corps.

- a. Water Treatment Plants
- b. Miscellaneous source wastewater treatment and/or control



5. The facility has failed to provide treatment and/or control of water treatment plant discharges and miscellaneous source wastewater discharges stipulated in the National Pollutant Discharge Elimination System (NPDES) permit. Miscellaneous sources of wastewater and limitations are designated by class of discharge in Part III of the National Pollutant Discharge Elimination System (NPDES) permit.

#### Compliance Schedules

6. The Compliance Schedule for the (number) facilities named in paragraph 4 are intended to achieve compliance as expeditiously as practicable, pursuant to Section 1-601 of E.O. 12088, and are set forth as Attachment a to this agreement. The attachment is incorporated into and made a part of this agreement. The schedule was provided in response to Region IV. Wherever reasonably possible, the Marine Corps will expedite the schedules.

#### Funding

7. The Marine Corps shall request all funds and/or authorizations from the Congress necessary to achieve the compliance schedules. These schedules are fixed and definite except to the extent that the Congress of the United States may fail to approve authorization and/or budget requests for these projects. Steps to be taken in seeking funding shall be consistent with Sections 1-4 and 1-5 of Executive Order 12088 as implemented by the Office of Management and Budget Circular A-106 (as amended).



### Reporting Requirements

8. The Marine Corps shall submit a progress report no later than ten days after the date of achievement of each incremental step in the compliance schedule and upon the final compliance date as set forth in the Attachment. The progress reports will be submitted to Region IV and the appropriate local or State or regional environmental agency, as identified on the Attachment. The status report shall indicate compliance or noncompliance with the schedule. In the event of noncompliance, the report shall include the cause of noncompliance and any remedial actions taken.

If the delay is anticipated in meeting any schedule date, the Marine Corps shall immediately notify Region IV and the local or State or regional environmental agency, in writing, of the anticipated delay, describing in detail the anticipated length of delay, the precise cause or causes of the delay, the measures taken and to be taken by the Marine Corps to prevent or minimize the delay and the timetable by which the measures shall be implemented. The Marine Corps will take reasonable action to minimize any delay. The Regional Administrator shall make a determination whether the compliance schedule set forth in the Attachment will be revised. If the Marine Corps disagrees with this determination, the Conflict Resolution procedure described herein shall control.

Additionally, beginning three months after the date for achievement of the first milestone specified on each Attachment, the Marine Corps



shall submit a status report to Region IV and the local or State or regional environmental agency detailing the progress made during that quarter. These reports shall be submitted quarterly until compliance has been achieved.

9. In the event that there is an amendment of the CWA, or in the event that changes to the regulations promulgated under those statutes change the technology necessary to achieve compliance pursuant to this agreement, the schedules will be renegotiated to effect changed law or regulations. Such renegotiation shall be governed by Executive Order 12088. Any disagreements in renegotiations shall be resolved by the Conflict Resolution provisions of this agreement. During the pendency of any request for renegotiation, the attached compliance schedule, to the extent they do not conflict with statutory or regulatory changes, shall remain in effect unless specifically waived by Region IV.

10. On the date for final compliance as shown on the attachment, compliance with water standards must be demonstrable by testing and positive reporting of the achievement of compliance, rather than by the mere completion of construction of pollution abatement facilities.

Upon the Marine Corps' demonstration of compliance, there will be a continuing obligation to comply with applicable discharge limitations under the CWA. These limitations are embodied in each facility's National Pollutant Discharge Elimination System permit under the CWA.

#### Conflict Resolution

11. Anticipated noncompliance with, or alleged violations of, this agreement shall be brought to the attention of the Administrator of the

[REDACTED]

U.S. Environmental Protection Agency, Washington, D.C., for resolution by EPA and Marine Corps. If necessary, the Director, Office of Management and Budget shall be notified pursuant to Sections 1-602 and 1-603 of Executive Order 12088. The Director, Office of Management and Budget shall consider such steps as are necessary to resolve any conflicts and remedy the violations.

Sanctions

12. In the event of violations of water standards or the terms of this agreement by the Marine Corps sanctions under the authority of Section 1-604 of Executive Order 12088, as well as enforcement procedures established by the Clean Water Act are available as enforcement mechanisms in addition to the conflict resolution procedures cited in paragraph 11.

13. Provided that the Compliance Schedule, as attached, is met, this agreement is considered to be in lieu of any other EPA or Federal enforcement action with regard to the facilities named in paragraph 4, for the pollution indicated in paragraph 5. This agreement in no way modified Section 504 of the CWA.

DEC 20 1979

\_\_\_\_\_  
Date

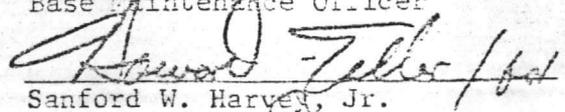
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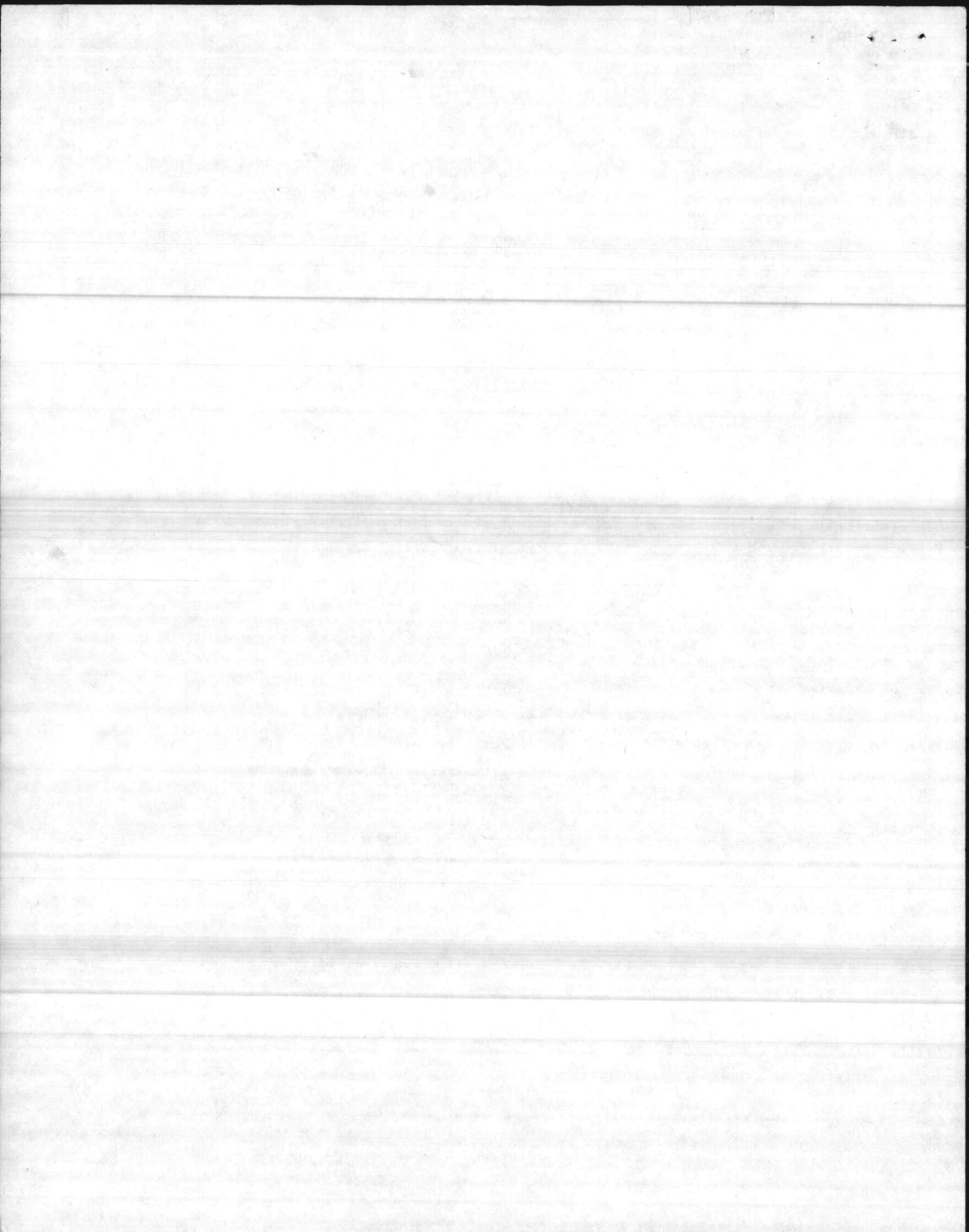
\_\_\_\_\_  
Date

Signed: \_\_\_\_\_

  
T. R. BAISLEY

Marine Corps Representative  
Lt Colonel USMC  
Base Maintenance Officer

  
Sanford W. Harvey, Jr.  
Director  
Enforcement Division



2

STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps Base

is hereby authorized to discharge wastewater from a facility located at

Camp Lejeune



Onslow County

to receiving waters designated as the Intracoastal Waterway in the White Oak River Basin

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

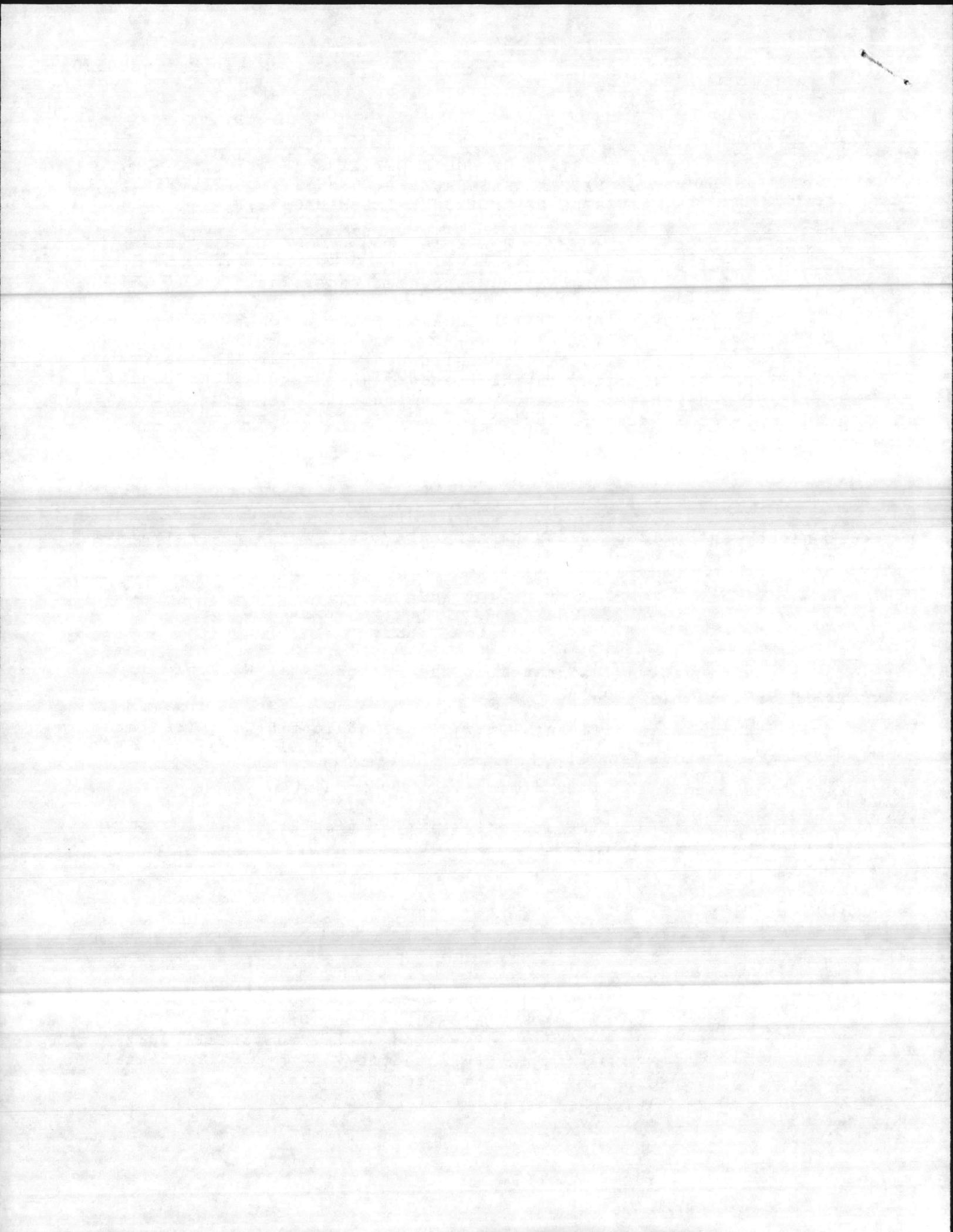
This permit shall be effective February 1, 1987

This permit and the authorization to discharge shall expire at midnight on January 31, 1992

Signed this day of January 30, 1987

A handwritten signature in cursive, appearing to be 'R. Paul Wilms'.

Rennis R. Wilms  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission



3

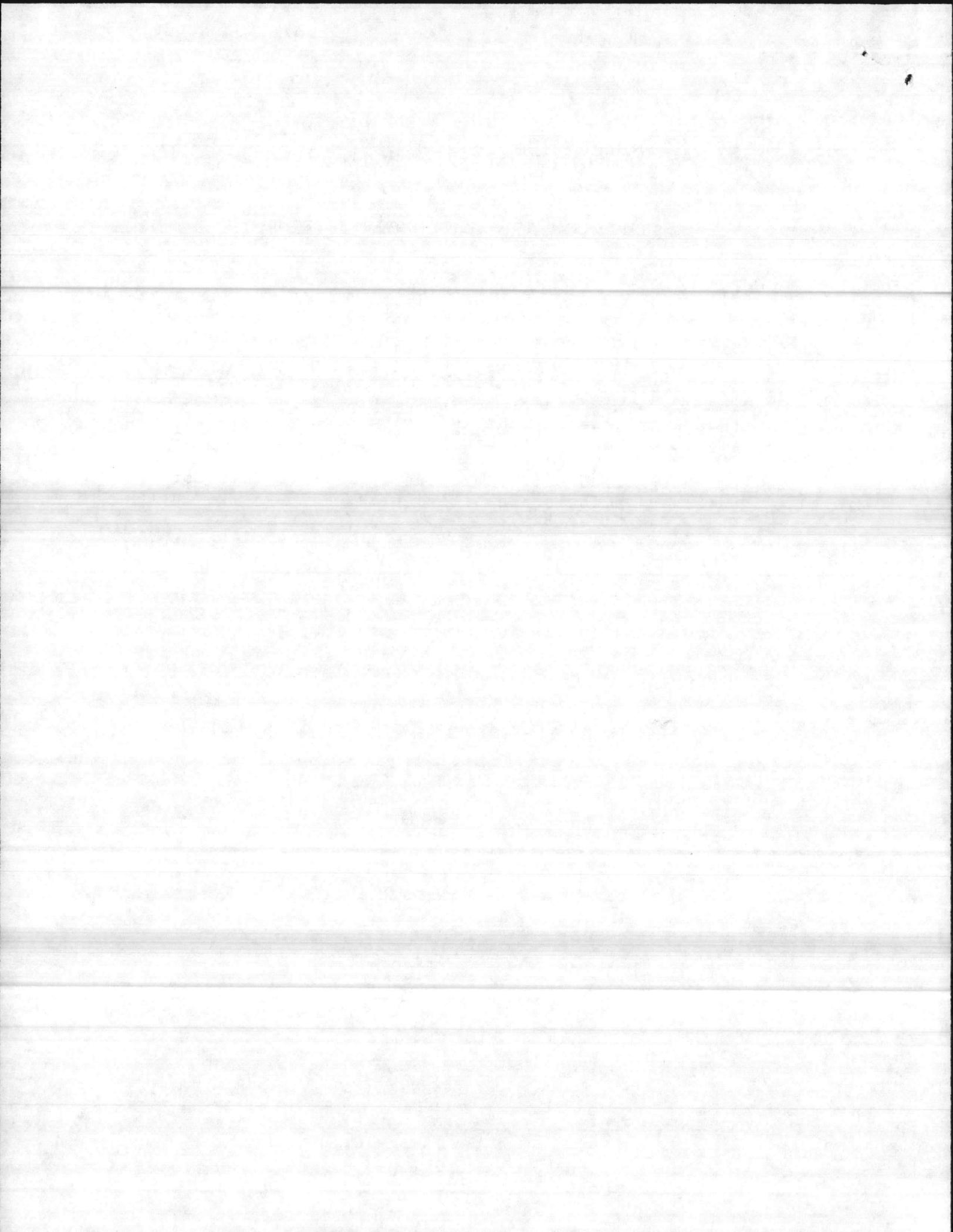
# ONSLow BEACH

## SUPPLEMENT TO PERMIT COVER SHEET

US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Continue to operate a ~~\_\_\_\_\_ filter type~~  
~~\_\_\_\_\_ Onslow Beach~~  
Sewage Treatment Plant in Onslow County (See Part III, condition No. B. of this permit), and
2. Discharge from said treatment works into Intracoastal Waterway which is classified Class "SA" waters in the White Oak River Basin.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final

ON SLOW BEACH

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>				
	<u>Kg/day (lbs/day)</u> <u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Other Units (Specify)</u> <u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>* Sample Location</u>
Flow			0.195 MGD		Continuous	Recording	I or E
BOD, 5Day, 20°C			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
NH <sub>3</sub> as N					2/Month	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Weekly	Grab	E
Fecal Coliform (geometric mean)			14.0/100 ml	28.0/100 ml	2/Month	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Weekly	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Quarterly	Composite	E
Total Phosphorus					Quarterly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l **	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent

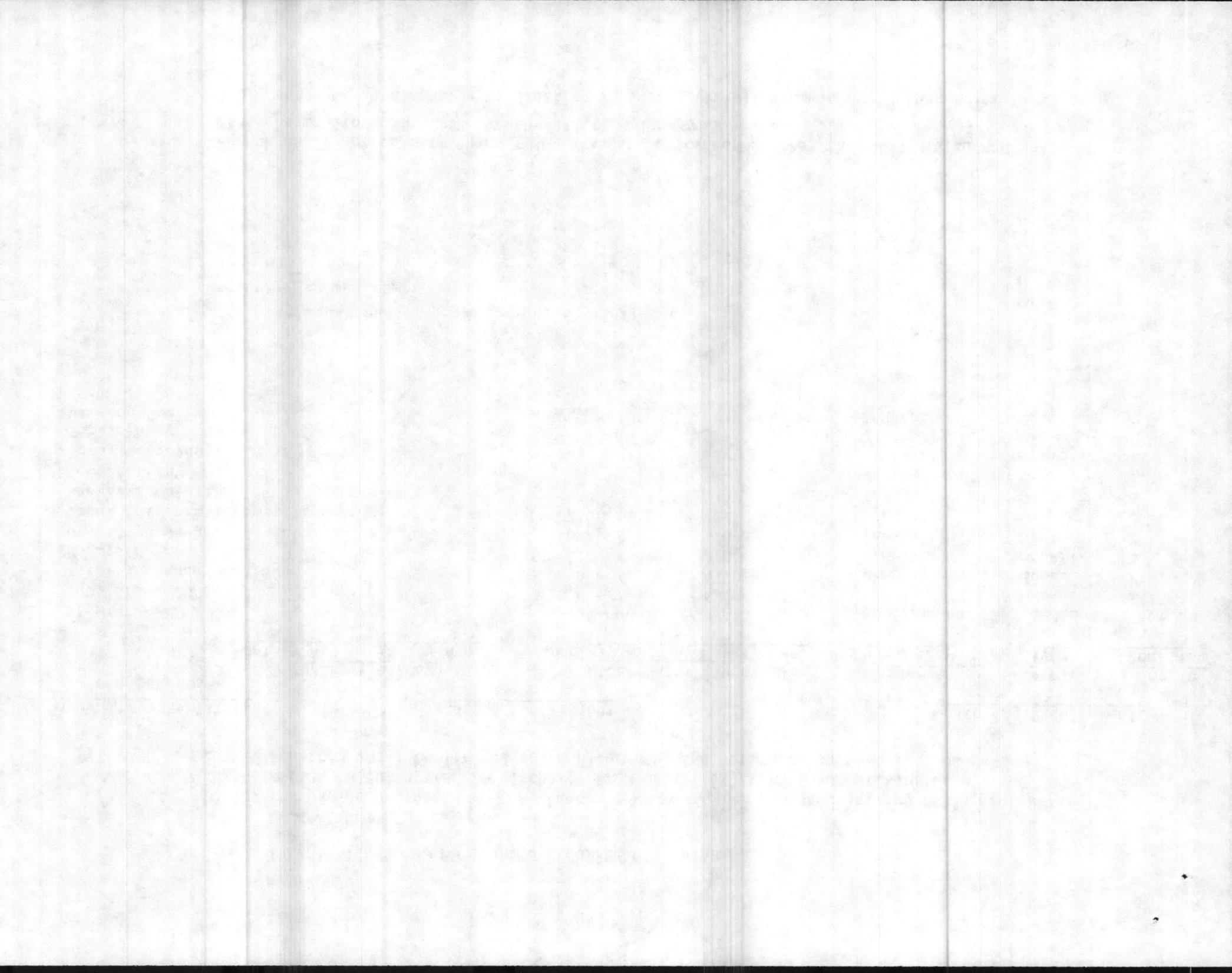
\*\*Daily Maximum Limit

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored 2/Month at the effluent by grab sample.

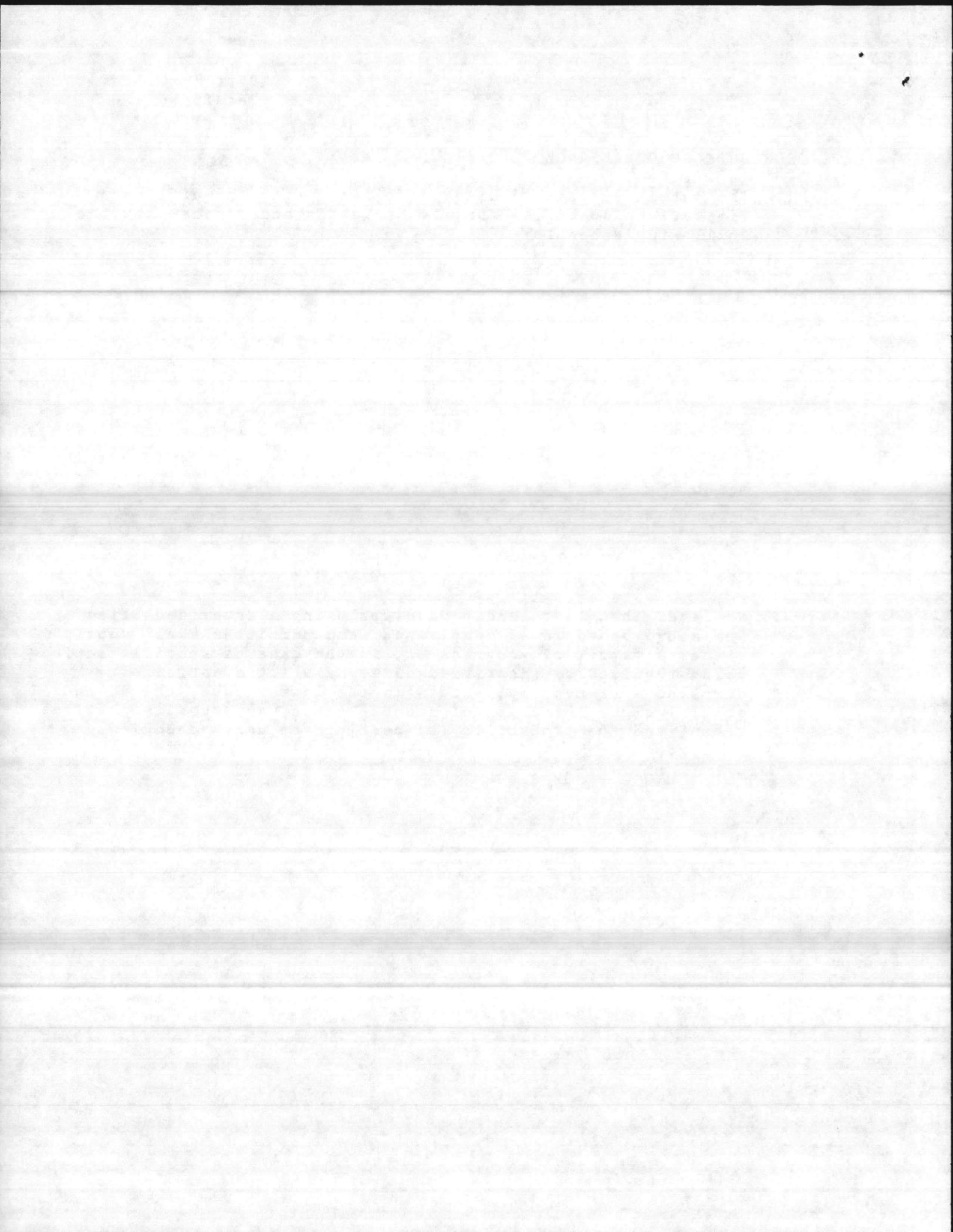
There shall be no discharge of floating solids or visible foam in other than trace amounts.

Page of  
Permit No.  
NC 0063053

(2)







## C. MONITORING AND REPORTING

### 1. Representative Sampling

Samples collected and measurements taken as required herein shall be characteristic of the volume and nature of the permitted discharge. Samples collected at a frequency less than daily shall be taken on a day and time that is characteristic of the discharge over the entire period which the sample represents.

### 2. Reporting

~~Monitoring results obtained during the previous month(s) shall be summarized for each month and reported on a monthly Discharge Monitoring Report (DMR) Form (DEM No. MR-1, 1-1), or other alternative forms approved by the Director, DEM, postmarked no later than the 30th day following the completion of the reporting period.~~ NREAD DEADLINE OF THE 23<sup>RD</sup>

The first DMR is due on the last day of the month following the issuance of the permit or in the case of a new facility, on the last day of the month following the commencement of discharge. Duplicate signed copies of these, and all other reports required herein, shall be submitted to the following address:

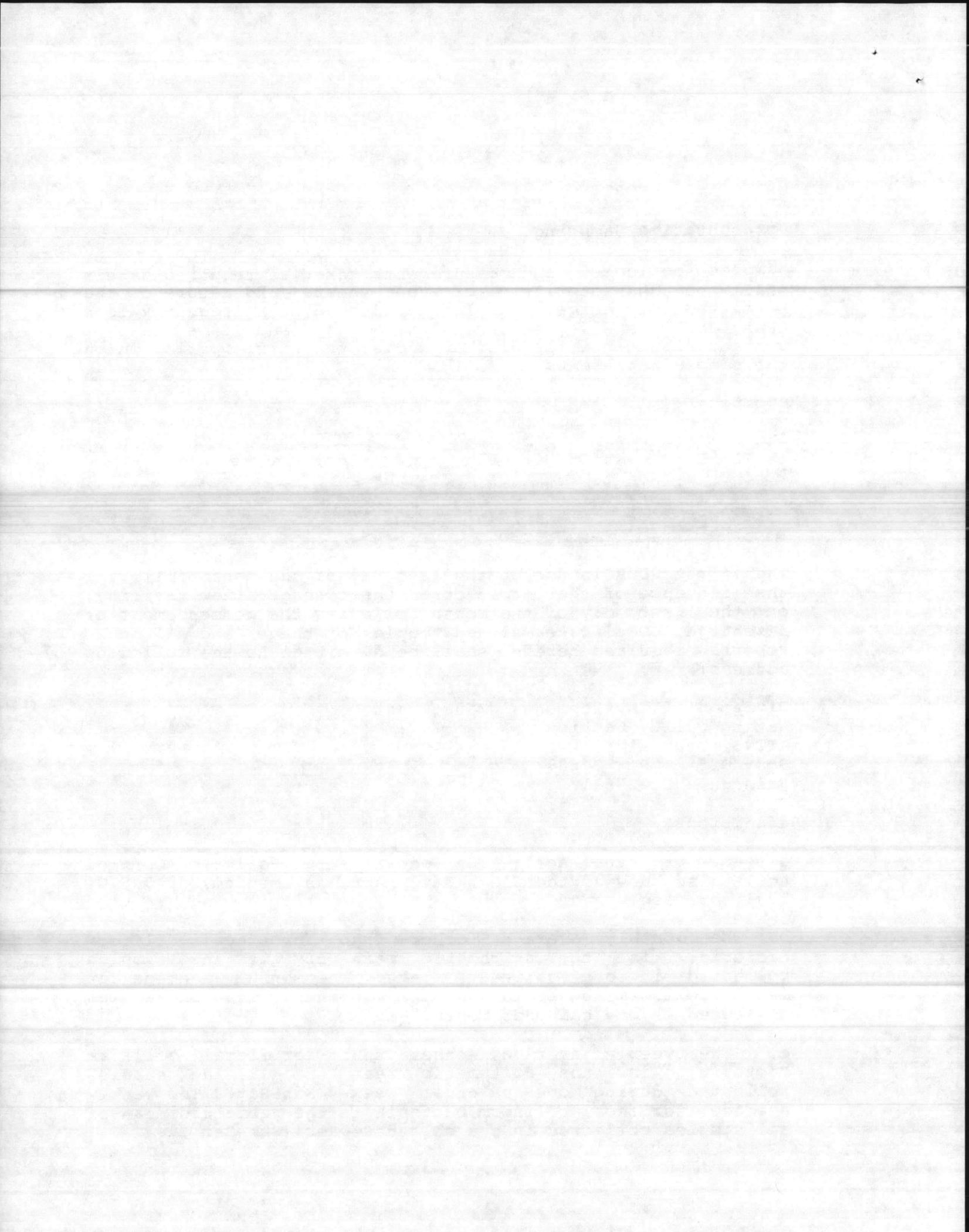
Division of Environmental Management  
Water Quality Section  
ATTN: Central Files  
Post Office Box 27687  
Raleigh, NC 27611

### 3. Definitions

a. Act or "the Act": The Federal Water Pollution Control Act, also known as the Clean Water Act, as amended, 33 U.S.C. 1251, et. seq.

b. The monthly average, other than for fecal coliform bacteria, is the arithmetic mean of all the samples collected in one calendar month. The monthly average for fecal coliform bacteria is the geometric mean of samples collected in one calendar month.

c. The weekly average, other than for fecal coliform bacteria, is the arithmetic mean of all the samples collected during one calendar week (Sun-Sat). The weekly average for fecal coliform bacteria is the geometric mean of all samples collected in one calendar week (Sun-Sat).



d. DEM or Division: means the Division of Environmental Management, Department of Natural Resources and Community Development.

e. EMC: used herein means the North Carolina Environmental Management Commission.

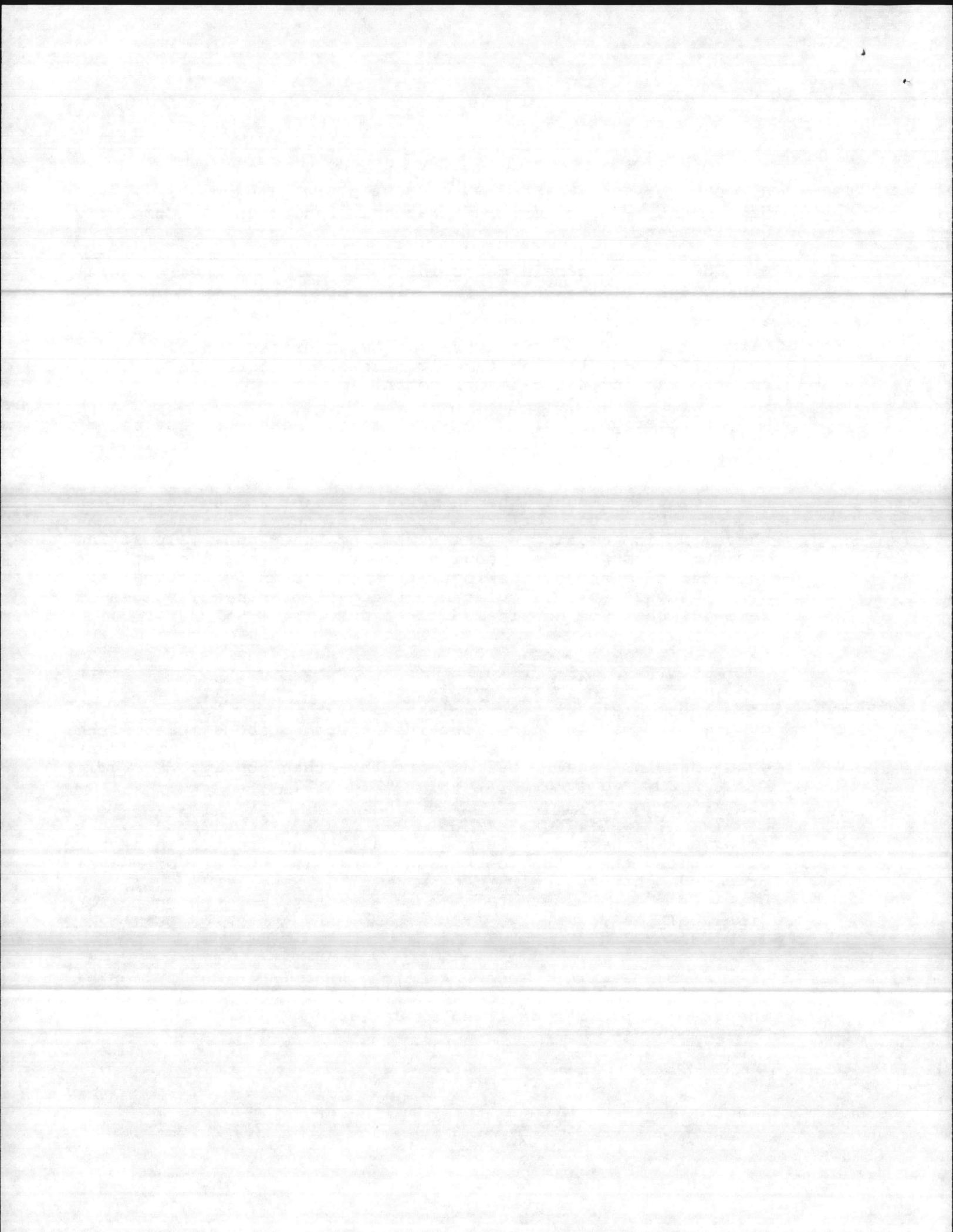
f. Flow, M3/day (MGD): The flow limit expressed in this permit is the 24 hour average flow, averaged monthly. It is determined as the arithmetic mean of the total daily flows recorded during the calendar month.

g. Arithmetic Mean: The arithmetic mean of any set of values is the summation of the individual values divided by the number of individual values.

h. Geometric Mean: The geometric mean of any set of values is the Nth root of the product of the individual values where N is equal to the number of individual values. The geometric mean is equivalent to the antilog of the arithmetic mean of the logarithms of the individual values. For purposes of calculating the geometric mean, values of zero (0) shall be considered to be one (1).

i. ~~Composite Sample: Composite samples consist of grab samples~~  
~~collected at regular intervals and combined proportionally to~~  
~~flow, or continuously collected proportionally to~~  
~~flow, or equal volume taken at varying time intervals. If a~~  
composite sample is obtained from grab samples, the following requirements apply. The intervals between influent grab samples shall be no greater than hourly. ~~Intervals~~  
~~between grab samples shall be no greater than~~  
~~hourly except where the detention time of the wastewater in~~  
~~the facility is greater than 7 hours, in which case, the~~  
interval between grab samples shall be no greater in number of hours than the detention time in number of days; provided, however, ~~in no case may the time between influent~~  
~~grab samples be greater than six hours nor the number of~~  
~~grab samples less than four during any discharge period of~~  
~~24 hours or less.~~

j. Grab Sample: Grab samples are individual samples collected over a period of time not exceeding 15 minutes; the grab sample can be taken manually.



#### 4. Test Procedures

Test procedures for the analysis of pollutants shall conform to the EMC regulations published pursuant to N.C.G.S. 143-215.63 et seq, the Water and Air Quality Reporting Act, and to regulations published pursuant to Section 304(g), 33 USC 1314, of the Federal Water Pollution Control Act, As Amended, and Regulation 40 CFR 136.

#### 5. Recording Results

For each measurement or sample taken pursuant to the requirements of this permit, the permittee shall record the following information:

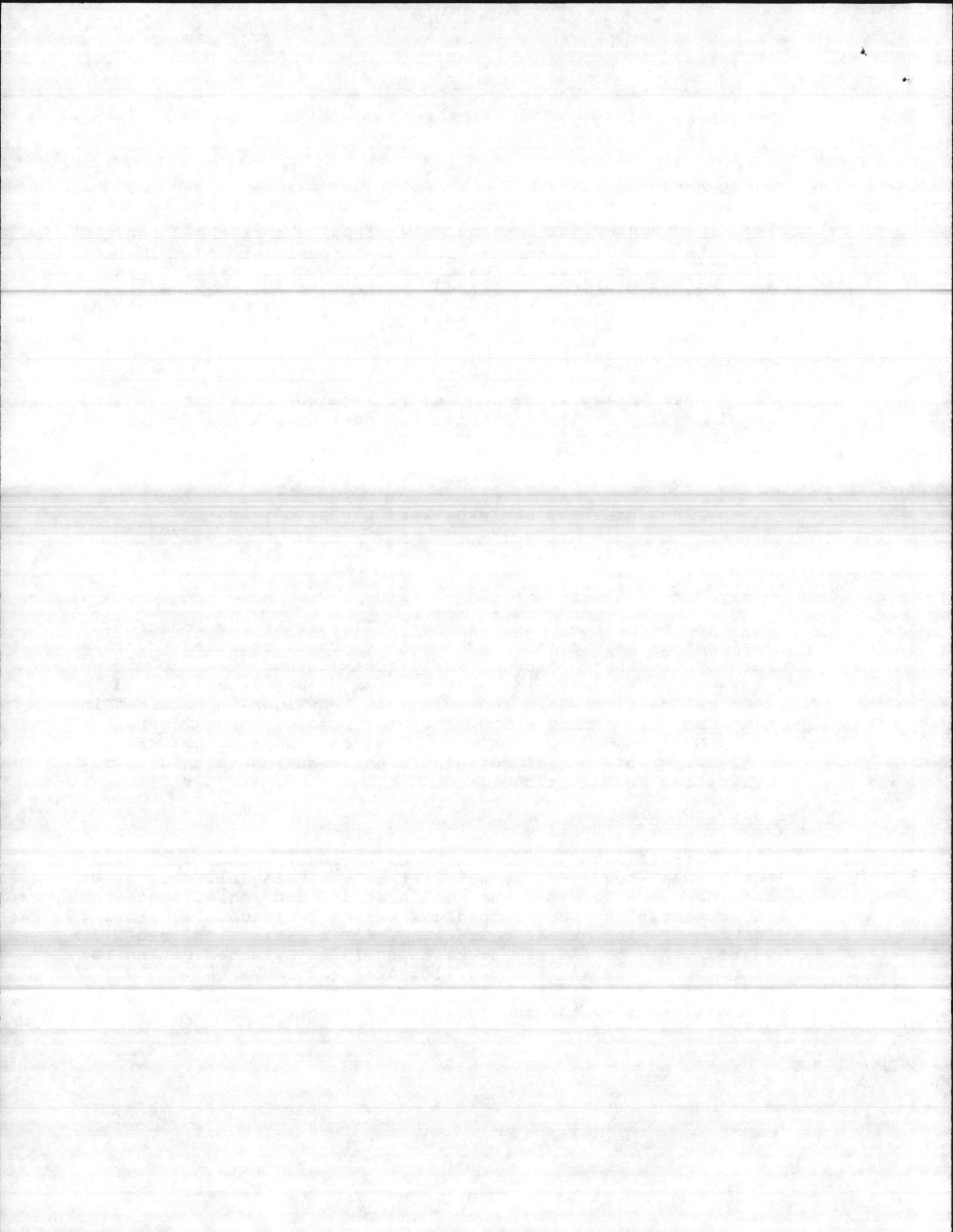
- a. The exact place, date, and time of sampling;
- b. The dates the analyses were performed; and
- c. The person(s) who performed the analyses.

#### 6. Additional Monitoring by Permittee

If the permittee monitors any pollutant at the location(s) designated herein more frequently than required by this permit, using approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values is required in the DMR. Such increased frequency shall also be indicated. The DEM may require more frequent monitoring or the monitoring of other pollutants not required in this permit by written notification.

#### 7. Records Retention

All records and information resulting from the monitoring activities required by this Permit including all records of analyses performed and calibration and maintenance of instrumentation and recordings from continuous monitoring instrumentation shall be retained for a minimum of three (3) years. This period of retention shall be extended during the course of any unresolved litigation or if requested by the Division of Environmental Management or the Regional Administrator of the Environmental Protection Agency.



PART II GENERAL CONDITIONS

A. MANAGEMENT REQUIREMENTS

1. Change in Discharge

All discharges authorized herein shall be consistent with the terms and conditions of this permit. The discharge of any pollutant identified in this permit more frequently than or at a level in excess of that authorized shall constitute a violation of the permit. Any anticipated facility expansions, production increases, or process modifications which will result in new, different, or increased discharges of pollutants must be reported by submission of a new NPDES application or, if such changes will not violate the effluent limitations specified in this permit, by notice to the DEM of such changes. Following such notice, the permit may be modified to specify and limit any pollutants not previously limited.

2. Noncompliance Notification

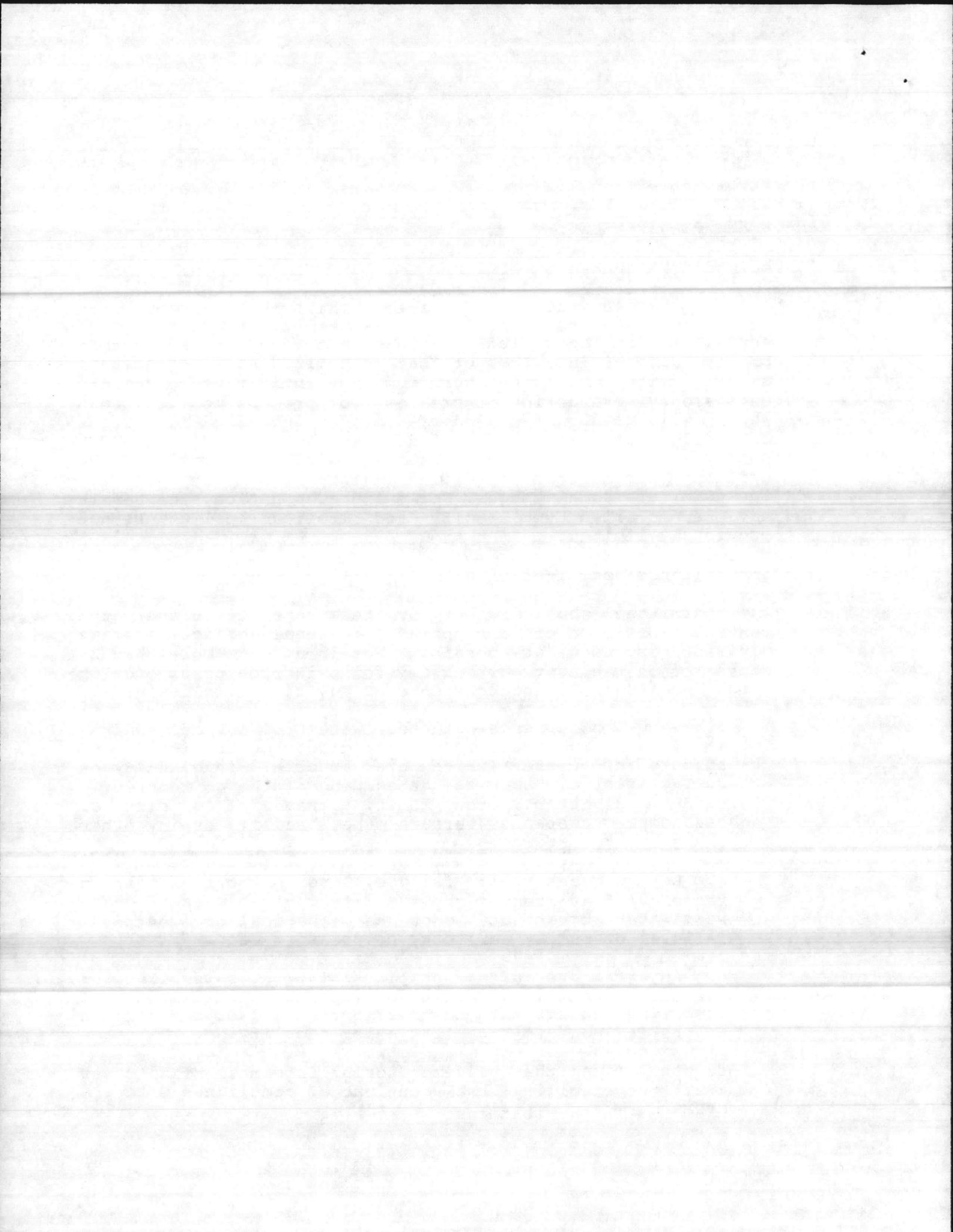
The permittee shall report by telephone to either the central office or appropriate regional office of the division as soon as possible but in no case more than 24 hours or on the next working day following the occurrence or first knowledge of the occurrence of any of the following:

a. Any occurrence at the water pollution control facility which results in the discharge of significant amounts of wastes which are abnormal in quantity or characteristic, such as the dumping of the contents of a sludge digester, the known passage of a slug of hazardous substance through the facility or any other unusual circumstances.

b. Any process unit failure, due to known or unknown reasons, that render the facility incapable of adequate wastewater treatment, such as mechanical or electrical failures of pumps, aerators, compressors, etc.

c. Any failure of a pumping station, sewer line, or treatment facility resulting in a by-pass directly to receiving waters without treatment of all or any portion of the influent to such station or facility.

d. Any time that self-monitoring information indicates that the facility has gone out of compliance with its NPDES permit limitations.



Persons reporting such occurrences by telephone shall also file a written report in letter form within 15 days following first knowledge of the occurrence.

### 3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this permit.

### 4. Adverse Impact

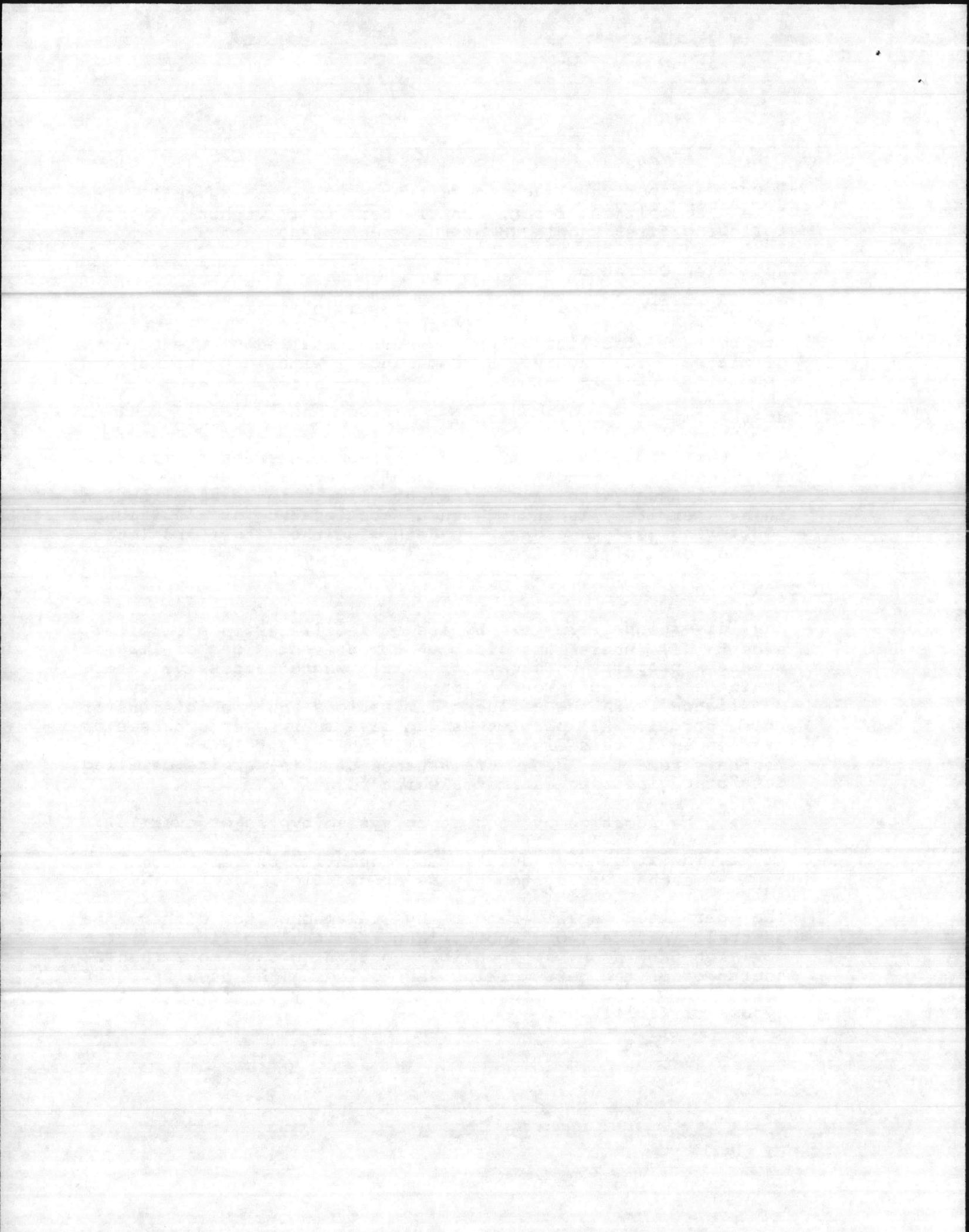
The permittee shall take all reasonable steps to minimize any adverse impact to navigable waters resulting from noncompliance with any effluent limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

### 5. Bypassing

Any diversion from or bypass of facilities is prohibited, except (i) where unavoidable to prevent loss of life or severe property damage, or (ii) where excessive storm drainage or runoff would damage any facilities necessary for compliance with the effluent limitations and prohibitions of this permit. All permittees who have such sewer bypasses or overflows of this discharge shall submit, not later than six months from the date of issuance of this permit, detailed data or engineering estimates which identify:

- a. The location of each sewer system bypass or overflow;
- b. The frequency, duration and quantity of flow from each sewer system bypass or overflow.

The permittee shall report by telephone to either the central office or appropriate regional office of the division as soon as possible but in no case more than 24 hours or on the next working day following the occurrence or first knowledge of the occurrence of any diversion from or bypass of facilities.



## 6. Removed Substances

Solids, sludges, filter backwash, or other pollutants removed in the course of treatment or control of wastewaters shall be disposed of in accordance with NCGS 143-215.1 and in a manner such as to prevent any pollutant from such materials from entering waters of the State or navigable waters of the United States.

## 7. Power Failures

The permittee is responsible for maintaining adequate safeguards to prevent the discharge of untreated or inadequately treated wastes during electrical power failures either by means of alternate power sources, standby generators or retention of inadequately treated effluent.

## 8. Onshore or Offshore Construction

This permit does not authorize or approve the construction of any onshore or offshore physical structures or facilities or the undertaking of any work in any navigable waters.

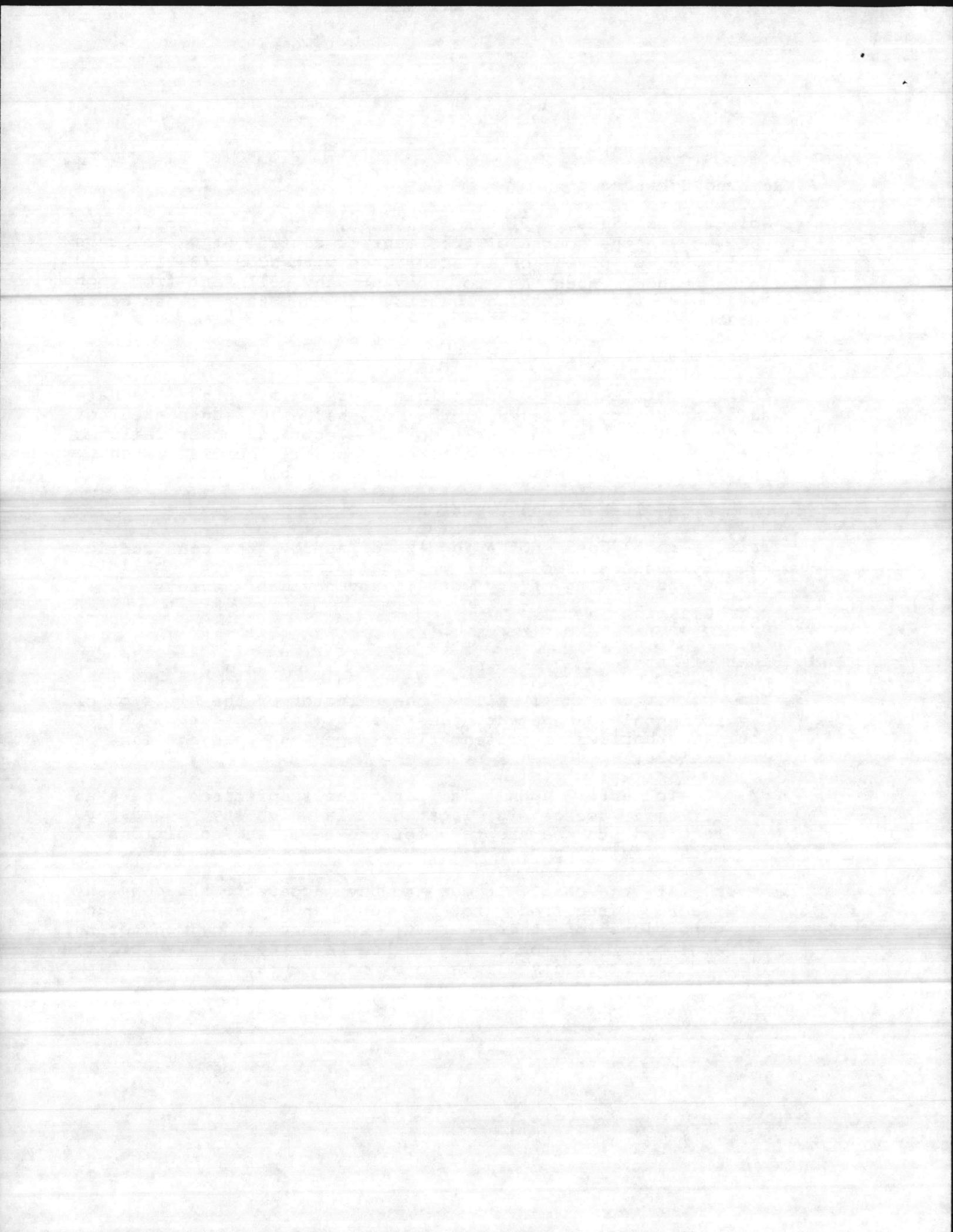
## B. RESPONSIBILITIES

### 1. Right of Entry

The permittee shall allow the Director of the Division of Environmental Management, the Regional Administrator, and/or their authorized representatives, upon the presentations of credentials:

a. To enter upon the permittee's premises where an effluent source is located, or in which any records are required to be kept under the terms and conditions of this permit; and

b. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this permit; to inspect any monitoring equipment or monitoring method required in this permit; and to sample any discharge of pollutants.



## 2. Transfer of Ownership or Control

This permit is not transferable. In the event of any change in name, control or ownership of facilities from which the authorized discharge emanates or is contemplated, the permittee shall notify the prospective owner or controller by letter of the existence of this permit and of the need to obtain a permit in the name of the prospective owner. A copy of the letter shall be forwarded to the Division of Environmental Management.

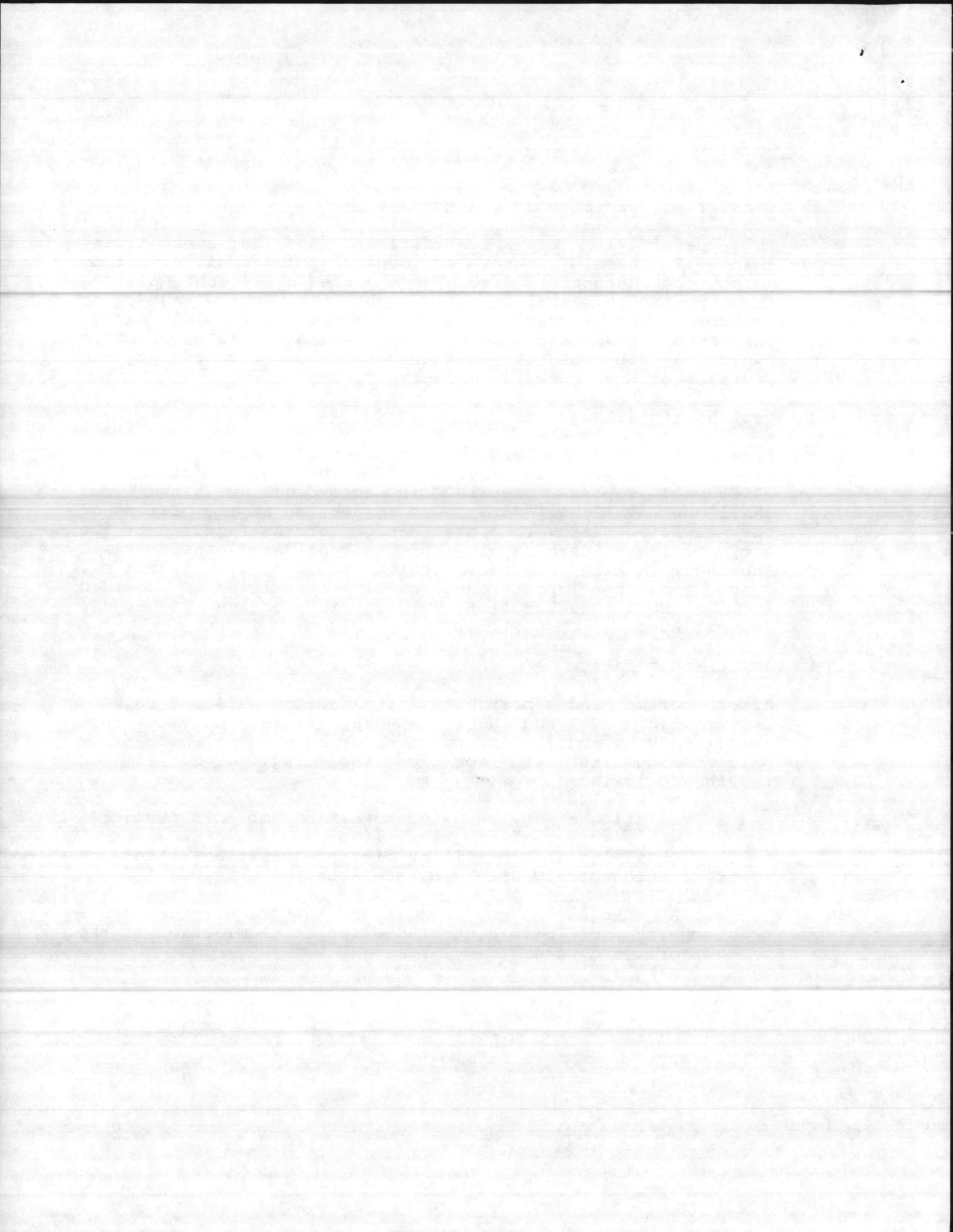
## 3. Availability of Reports

Except for data determined to be confidential under NCGS 143-215.3(a) (2) or Section 308 of the Federal Act, 33 USC 1318, all reports prepared in accordance with the terms shall be available for public inspection at the offices of the Division of Environmental Management. As required by the Act, effluent data shall not be considered confidential. Knowingly making any false statement on any such report may result in the imposition of criminal penalties as provided for in NCGS 143-215.1(b) (2) or in Section 309 of the Federal Act.

## 4. Permit Modification

After notice and opportunity for a hearing pursuant to NCGS 143-215.1(b) (2) and NCGS 143-215.1(e) respectively, this permit may be modified, suspended, or revoked in whole or in part during its term for cause including, but not limited to, the following:

- a. Violation of any terms or conditions of this permit;
- b. Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- c. A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.



## 5. Toxic Pollutants

Notwithstanding Part II, B-4 above, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition) is established under Section 307(a) of the Act for a toxic pollutant which is present in the discharge, if such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard prohibition and the permittee so notified.

## 6. Civil and Criminal Liability

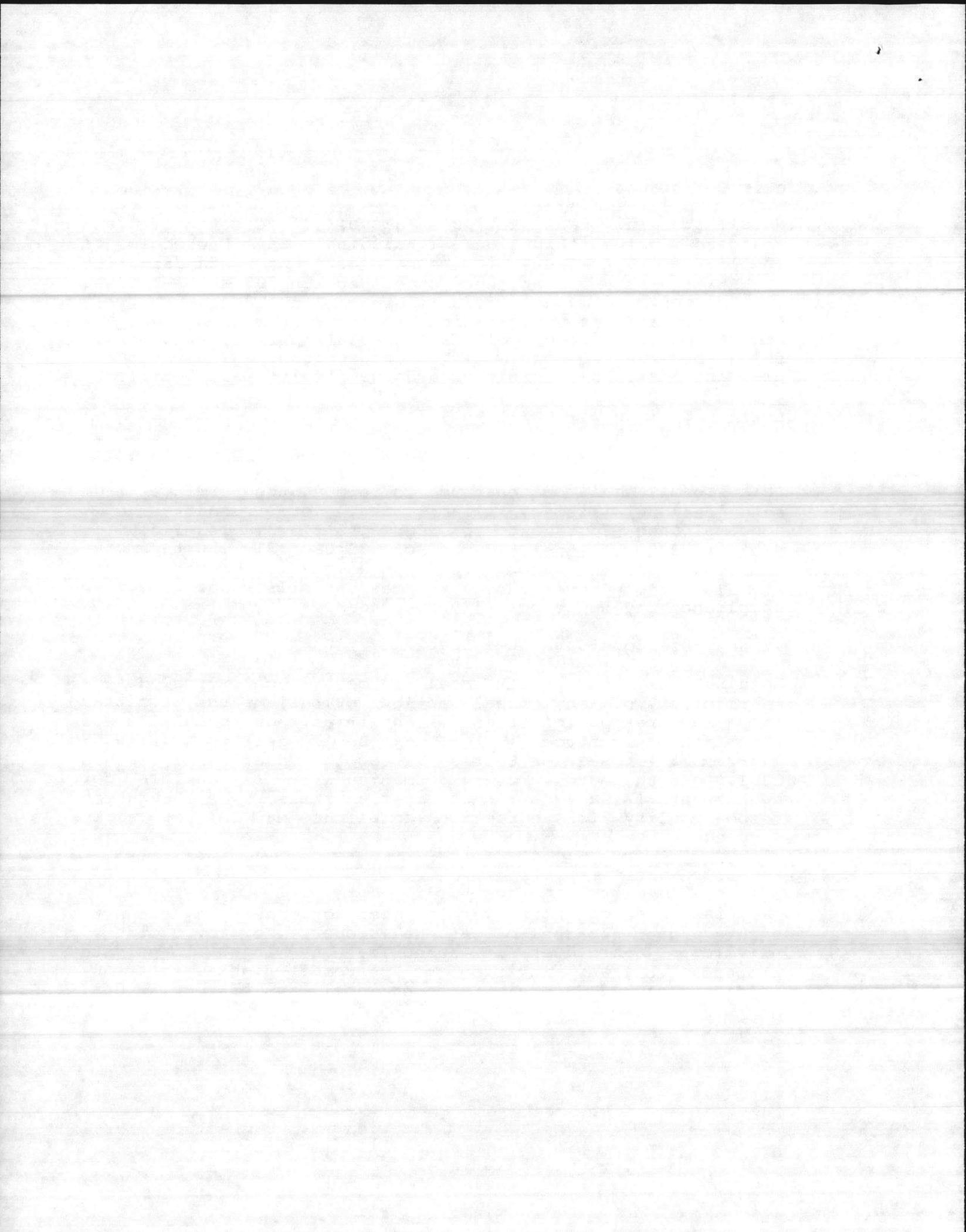
Except as provided in permit conditions on "Bypassing" (Part II, A-5) and "Power Failures" (Part II, A-7), nothing in this permit shall be construed to relieve the permittee from any responsibilities, liabilities, or penalties for noncompliance pursuant to NCGS 143-215.3, 143-215.6 or Section 309 of the Federal Act, 33 USC 1319. Furthermore, the permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.

## 7. Oil and Hazardous Substance Liability

Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities, or penalties to which the permittee is or may be subject to under NCGS 143-215.75 et seq. or Section 311 of the Federal Act, 33 USC 1321. Furthermore, the permittee is responsible for consequential damages, such as fish kills, even though the responsibility for effective compliance may be temporarily suspended.

## 8. Property Rights

The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

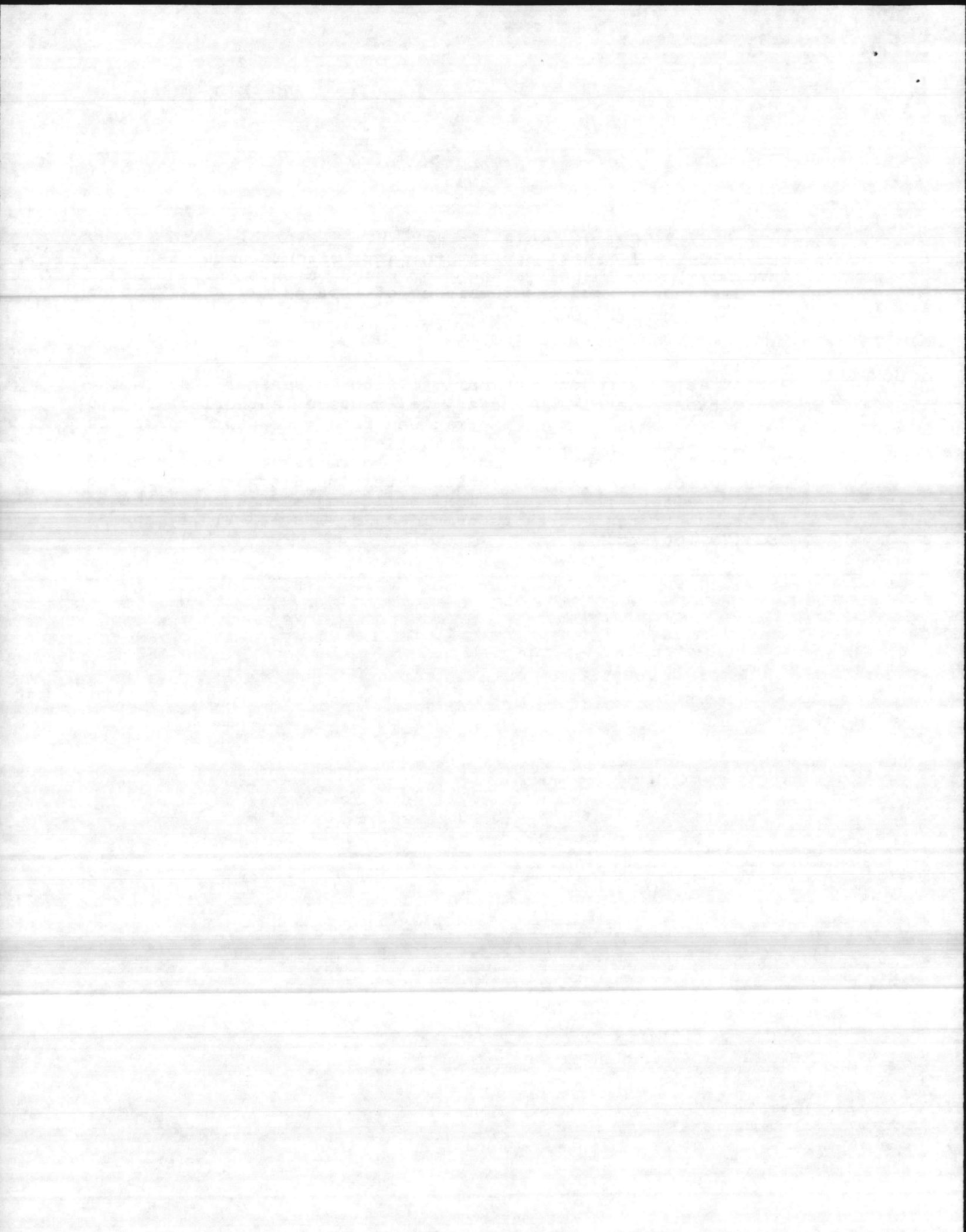


## 9. Severability

The provisions of this permit are severable, and if any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

## 10. Expiration of Permit

Permittee is not authorized to discharge after the expiration date. In order to receive authorization to discharge beyond the expiration date, the permittee shall submit such information, forms, and fees as are required by the agency authorized to issue permits no later than 180 days prior to the expiration date. Any discharge without a permit after the expiration will subject the permittee to enforcement procedures as provided in NCGS 143-215.6, and 33 USC 1251 et seq.



### PART III OTHER REQUIREMENTS

#### A. Previous Permits

All previous State water quality permits issued to this facility, whether for construction or operation or discharge, are hereby revoked by issuance of this permit. The conditions, requirements, terms, and provisions of this permit authorizing discharge under the National Pollutant Discharge Elimination System govern discharges from this facility.

#### B. Construction

No construction of wastewater treatment facilities or additions thereto shall be begun until Final Plans and Specifications have been submitted to the Division of Environmental Management and written approval and Authorization to Construct has been issued.

#### C. Certified Operator

Pursuant to Chapter 90A of North Carolina General Statutes, the permittee shall employ a certified wastewater treatment plant operator in responsible charge of the wastewater treatment facilities. Such operator must hold a certification of the grade equivalent to or greater than the classification assigned to the wastewater treatment facilities.

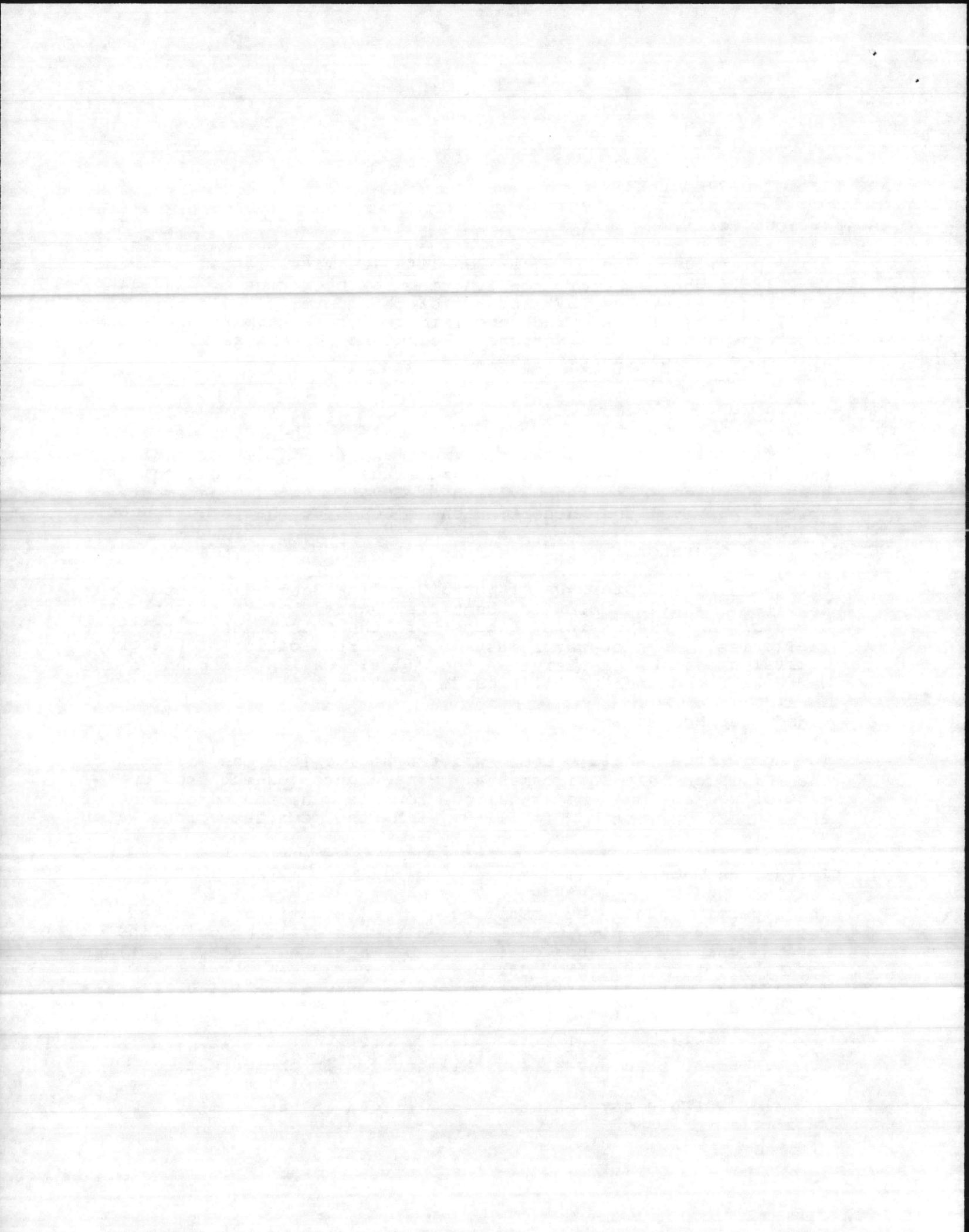
#### D. Groundwater Monitoring

The permittee shall, upon written notice from the Director of the Division of Environmental Management, conduct groundwater monitoring as may be required to determine the compliance of this NPDES permitted facility with the current groundwater standards.

#### E. Limitations Reopener

This permit shall be modified or alternatively, revoked and reissued, to comply with any applicable effluent guideline or water quality standard issued or approved under Sections 302(b)(2)(c), and (d), 304(b)(2), and 307(a)(2) of the Clean Water Act, if the effluent guideline or water quality standard so issued or approved:

- 1) contains different conditions or is otherwise more stringent than any effluent limitation in the permit; or
- 2) controls any pollutant not limited in the permit.

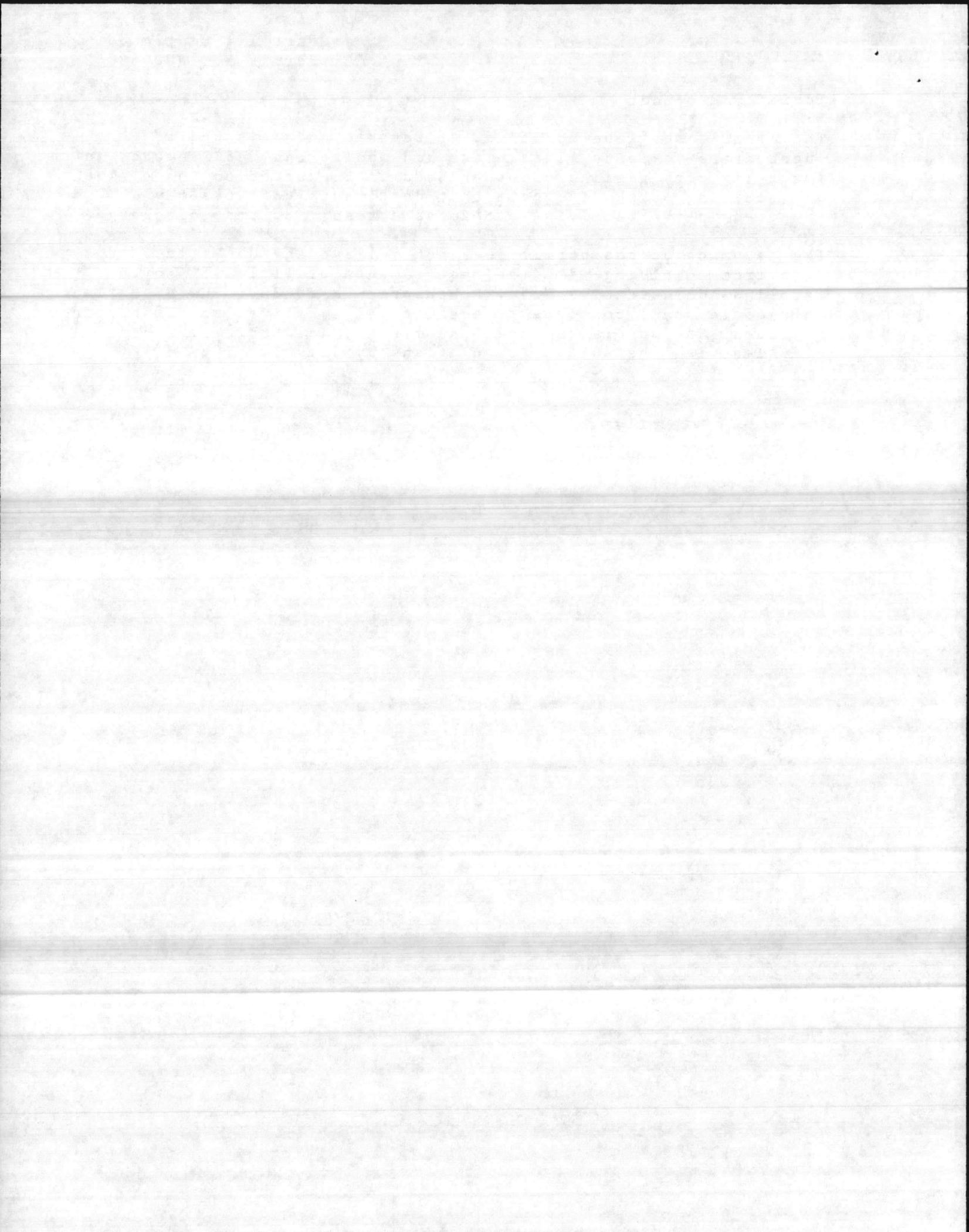


F. Toxicity Reopener

This permit shall be modified, or revoked and reissued to incorporate toxicity limitations and monitoring requirements in the event toxicity testing or other studies conducted on the effluent or receiving stream indicate that detrimental effects may be expected in the receiving stream as a result of this discharge.

G. The issuance of the permit does not relieve the US Marine Corps Base from complying with the requirements of Title 15, North Carolina Administrative Code, Subchapter 2H .0400. The US Marine Corps Base shall continue to evaluate alternatives to discharging to Class "SA" waters and shall submit an acceptable plan that complies with the subject regulations by July 31, 1987.

THIS IS ONLY APPLICABLE TO ONSLOW BEACH





State of North Carolina  
Department of Natural Resources and Community Development  
Division of Environmental Management  
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

R. Paul Wilms  
Director

November 12, 1986

MEMORANDUM

TO: NPDES Permit Holders

FROM: George Everett  
Water Quality Section Chief

SUBJECT: NPDES Effluent Limitation

A handwritten signature in cursive script that reads "George T. Everett".

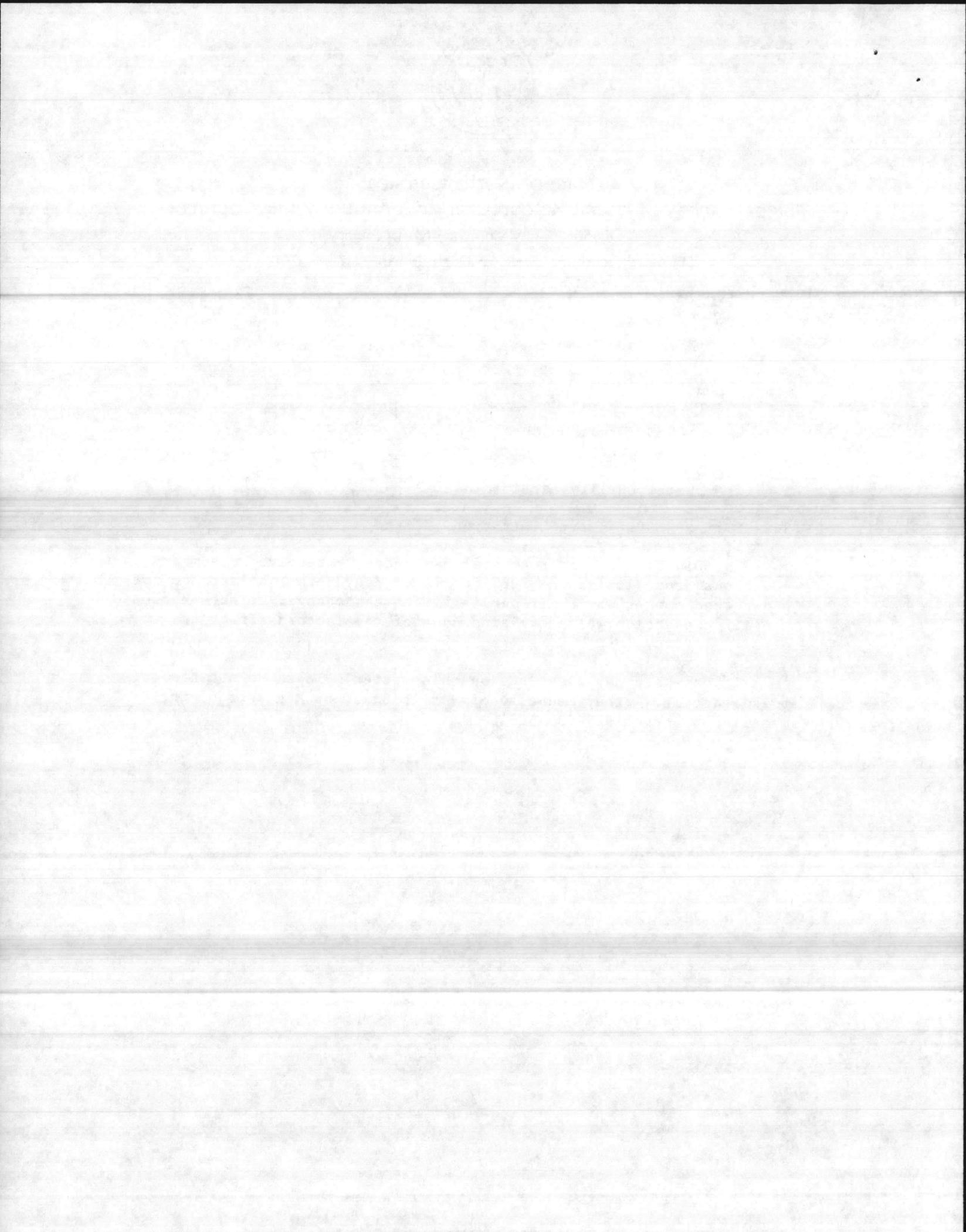
The Division of Environmental has recently received a number of questions about limits in NPDES Permits. Many permit holders do not understand how or why their permit limits can change. I have enclosed a brief explanation which explains some of the factors affecting permits limits.

If you have any questions on this matter, please do not hesitate to contact Mr. Arthur Mouberry of Permit Staff or Meg Kerr of the Modeling Staff at 919-733-5083.

*Pollution Prevention Pays*

P.O. Box 27687, Raleigh, North Carolina 27611-7687 Telephone 919-733-7015

An Equal Opportunity Affirmative Action Employer

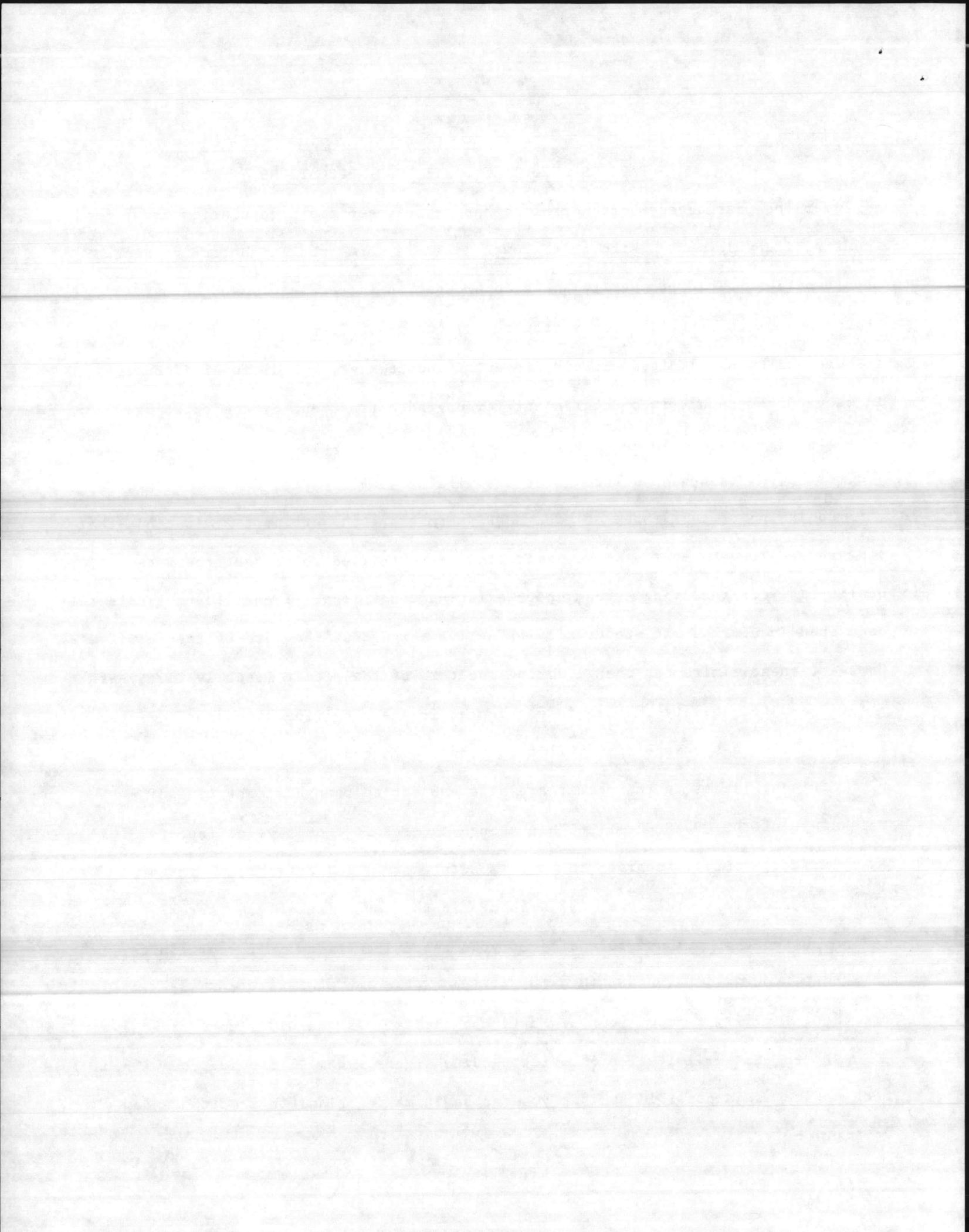


### FACTORS AFFECTING WASTE LOAD ALLOCATIONS

Over the past decade North Carolina has experienced rapid population growth and industrial development. With this growth has come more jobs and better housing opportunities. This prosperity has also brought an increasing demand on our State water's as locations for wastewater discharges. These waters are a resource with only limited capacity to accept wastewater. Additional discharges, in many cases, result in a requirement for upgraded treatment by the existing dischargers. This is an unfortunate side effect of our growth, but it is one that you must consider now, and throughout the life of your project.

Beginning on page three of your NPDES permit are the effluent limitations that you are required to meet. These limitations were derived to protect the water quality in your receiving stream under existing conditions. The effluent limits contained in your permit are usually effective throughout the term of the permit. However, these limits can change during the term of the permit (usually five years) if: (1) a water quality concern is documented in the receiving stream or, (2) the federal guidelines change for facilities with limits based on effluent guidelines.

Effluent limits in the permit are also subject to change at the time of reissuance of the NPDES Permit. This change can result from several factors, for example: (1) more discharges in your immediate area, (2) an increase in total permitted flow to your stream, (3) a change in the condition of your stream, (4) an increase in our understanding of your receiving stream. If your limits do change, you will be responsible for taking the action necessary to upgrade your treatment facility to meet your new effluent limits. As the Division becomes aware of a change in the limitation of existing dischargers, we will provide you with as much notice as is possible so that you can begin making plans to meet those new limitations.





State of North Carolina  
Department of Natural Resources and Community Development  
Division of Environmental Management  
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

February 18, 1988

R. Paul Wilms  
Director

Commanding General  
Marine Corps Base  
Office of AC/S Facilities  
Camp Lejeune, NC 28542

Subject: Permit No. NC0062995  
~~CONFIDENTIAL~~  
Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

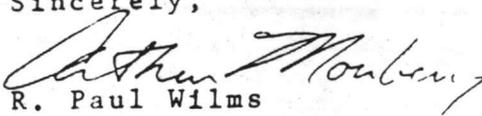
If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

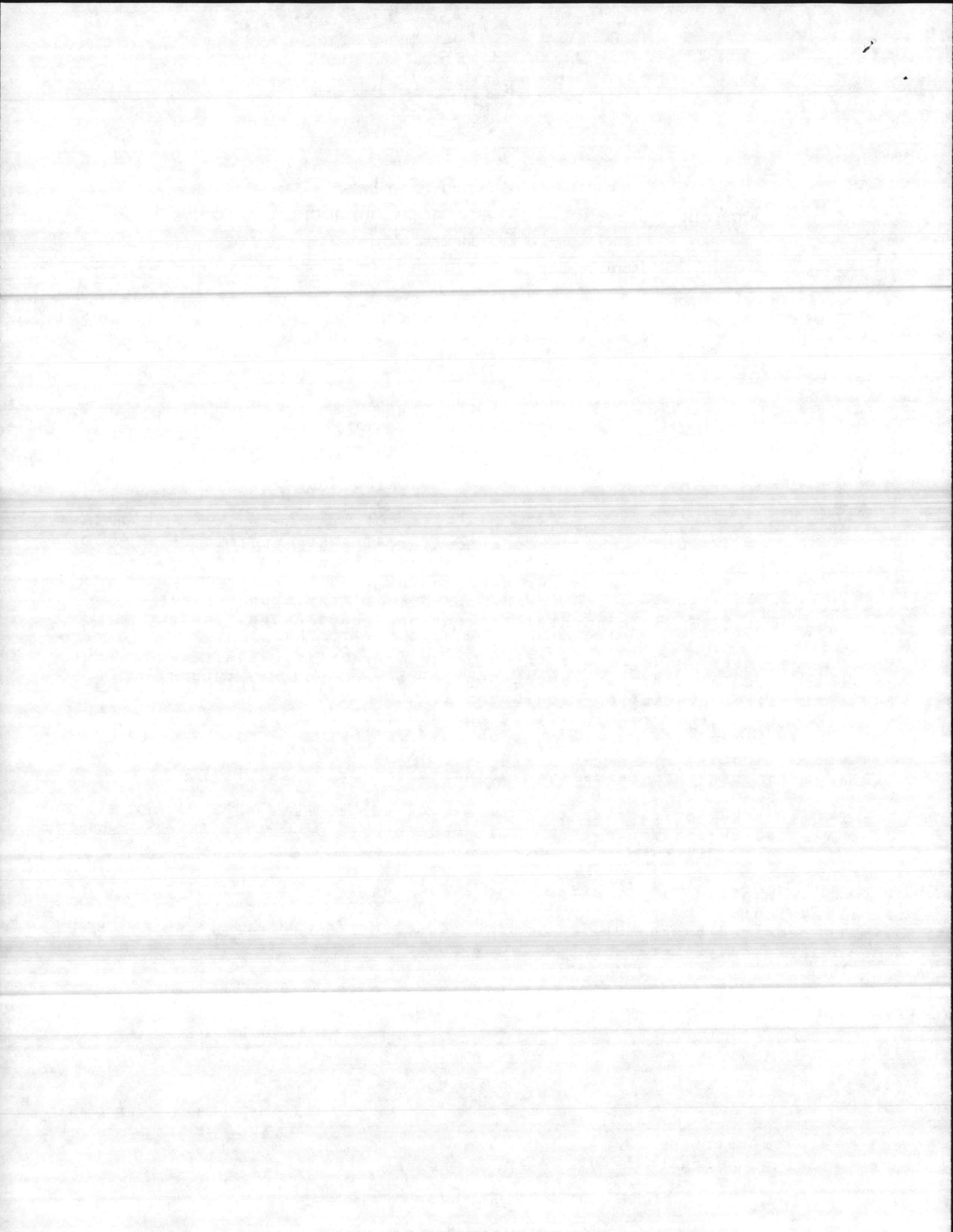
This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

  
R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
Wilmington Regional Supervisor *Pollution Prevention Pays*



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT-DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps

is hereby authorized to discharge wastewater from facilities located at

Camp LeJeune  
~~\_\_\_\_\_~~

Onslow County

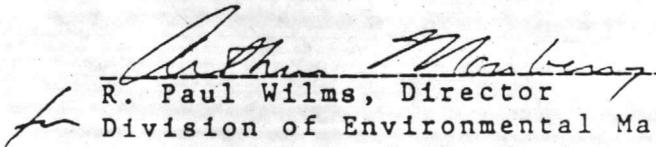
to receiving waters designated as the New River in the White Oak River Basin

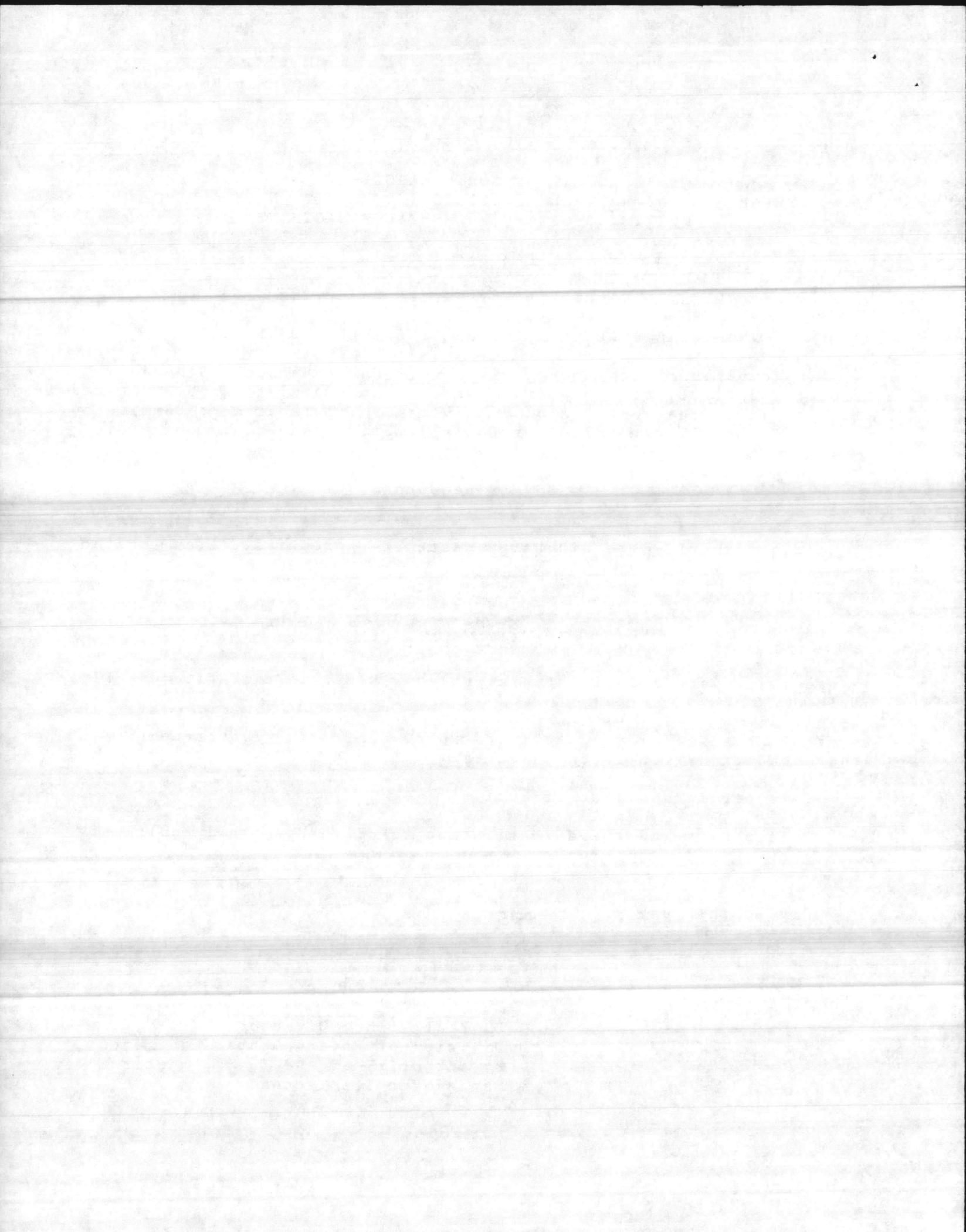
in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

This permit shall be effective March 1, 1988

This permit and the authorization to discharge shall expire at midnight on February 28, 1993

Signed this day of February 18, 1988

  
\_\_\_\_\_  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission

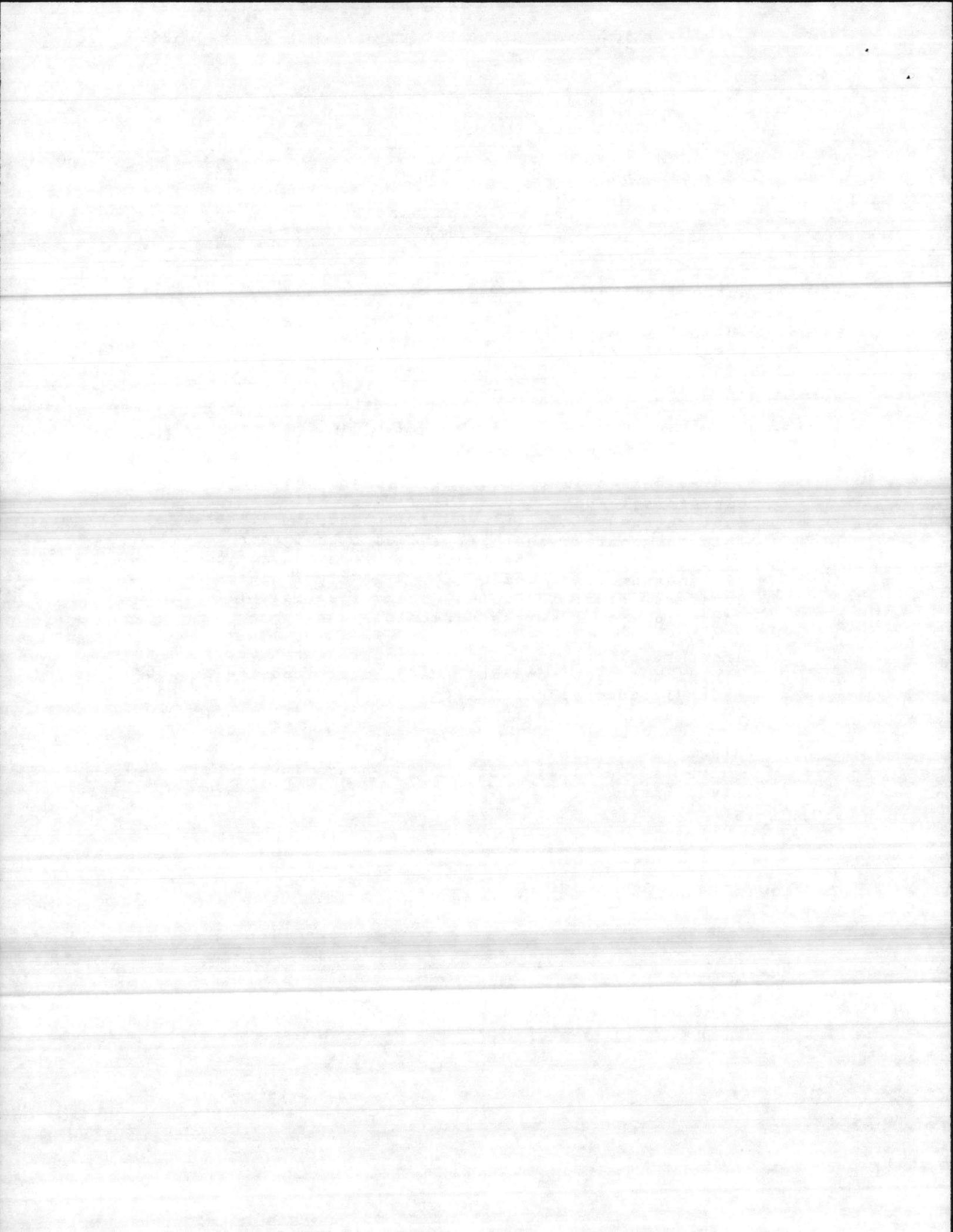


## SUPPLEMENT TO PERMIT COVER SHEET

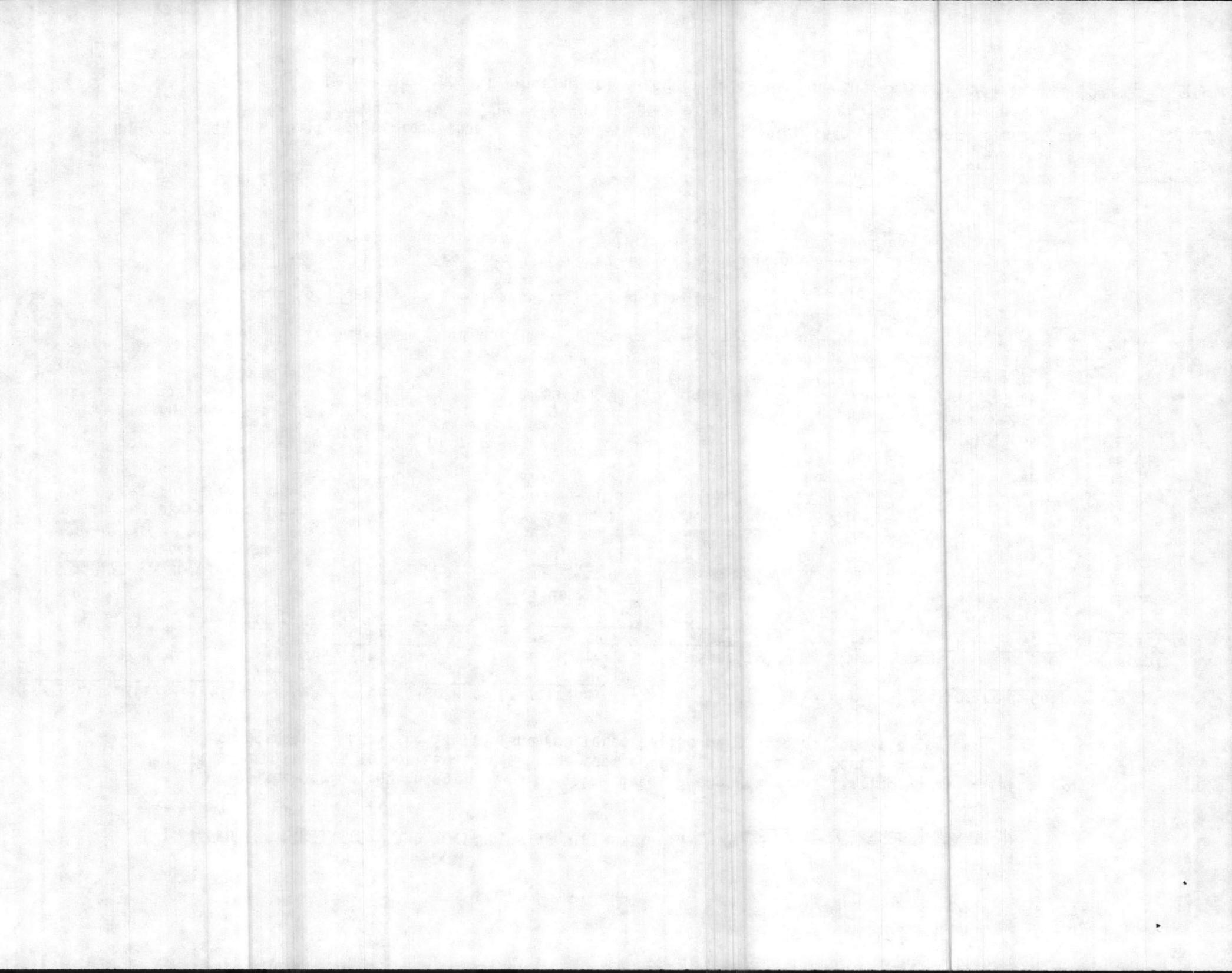
US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Enter into a contract of construction of a wastewater treatment facility, and
2. Make an outlet into the New River, and
3. Continue to operate a [REDACTED] consisting of an influent grit channel and comminutors, aerated flow equalization basin, dual primary clarifiers, dual anaerobic sludge digestors, sludge drying beds, dual trickling filters, dual secondary clarifiers, dual tertiary filters, a chlorine contact chamber, a decant basin for recycling of tertiary filter backwash and a device for continuous flow measurement located at [REDACTED] Sewage Treatment Plant in Onslow County (See Part III, Condition No. B. of this Permit), and
4. After receiving an Authorization to Construct from the Division of Environmental Management, construct a 50 foot diffuser pipe to discharge the treated effluent into the New River (See Part III of this permit), and
5. Discharge from said treatment works into the New River which is classified Class "SC" waters in the White Oak River Basin.







A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final ~~November 1 to March 31~~

⊙ CAMP GEIGER

During the period beginning on the effective date of the Permit and lasting until expiration or construction of a diffuser, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics	Discharge Limitations		Measurement Frequency	Sample Type	* Sample Location
	Kg/day (lbs/day) Monthly Avg.	Other Units (Specify) Weekly Avg.			
Flow		1.6 MGD	Continuous	Recording	I or E
<del>BOD, 5 day, 20°C</del>		<del>12.0 mg/l</del>	Daily	Composite	E
Total Suspended Residue		30.0 mg/l	Daily	Composite	E
<del>NH<sub>3</sub>-N</del>		<del>4.0 mg/l</del>	Daily	Composite	E
Dissolved Oxygen (minimum)		5.0 mg/l	Daily	Grab	E, U, D
Fecal Coliform (geometric mean)		200.0/100 ml	Daily	Grab	E, U, D
Residual Chlorine			Daily	Grab	E
Temperature			Daily	Grab	E, U, D
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)			Monthly	Composite	E
Total Phosphorus			Monthly	Composite	E
Oil and Grease		30.0 mg/l	2/Month	Grab	E

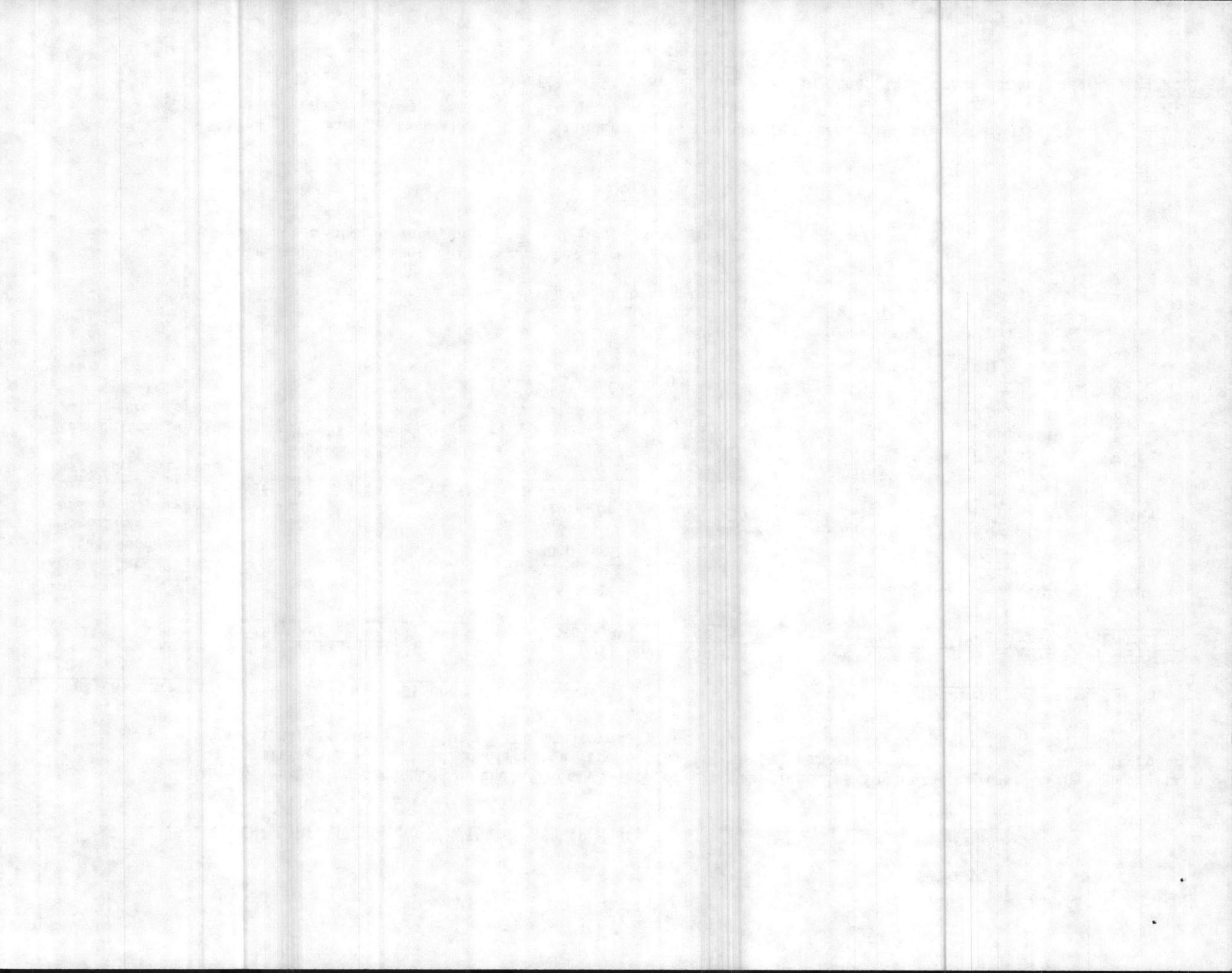
\*Sample locations: E - Effluent, I - Influent, U - Upstream, D - Downstream      \*\*Daily Maximum Limit

Upstream and downstream samples shall be grab samples.

Stream samples shall be collected three times per week during June, July, August and September and once per week during the remaining months of the year.

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored daily at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS ~~Final (with diffuser)~~

CAMP GEIGER

During the period beginning after construction of a diffuser and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics	Discharge Limitations (1)		Measurement Frequency	Sample Type	* Sample Location
	Kg/day (lbs/day) Monthly Avg.	Other Units (Specify) Weekly Avg.			
Flow		1.6 MGD	Continuous	Recording	I or E
<del>BOD, 5 Day, 20°</del>		<del>30.0 mg/l</del>	Daily	Composite	E
Total Suspended Residue		30.0 mg/l	Daily	Composite	E
<del>Ammonia N</del>			Daily	Composite	E
Dissolved Oxygen (minimum)		5.0 mg/l	Daily	Grab	E, U, D
Fecal Coliform (geometric mean)		200.0/100 ml	Daily	Grab	E, U, D
Residual Chlorine			Daily	Grab	E
Temperature			Daily	Grab	E, U, D
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)			Monthly	Composite	E
Total Phosphorus			Monthly	Composite	E
Oil and Grease		30.0 mg/l	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent, U - Upstream, D - Downstream

\*\*Daily Maximum Limitation

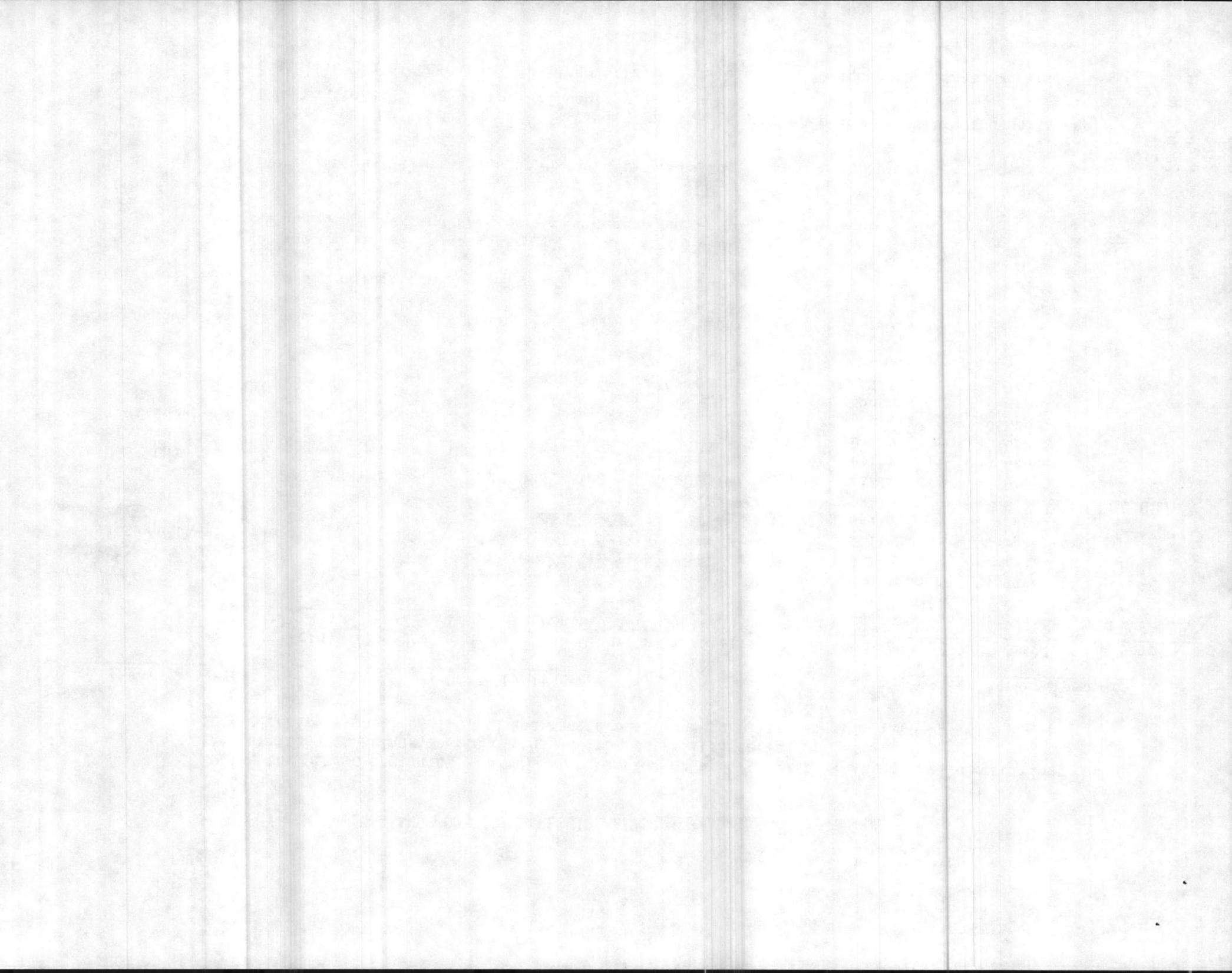
Upstream and downstream samples shall be grab samples.

Stream samples shall be collected three times per week during June, July, August and September and once per week during the remaining months of the year.

(1) These effluent limitations apply only to a discharge from a 50-foot diffuser pipe.

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored daily at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.



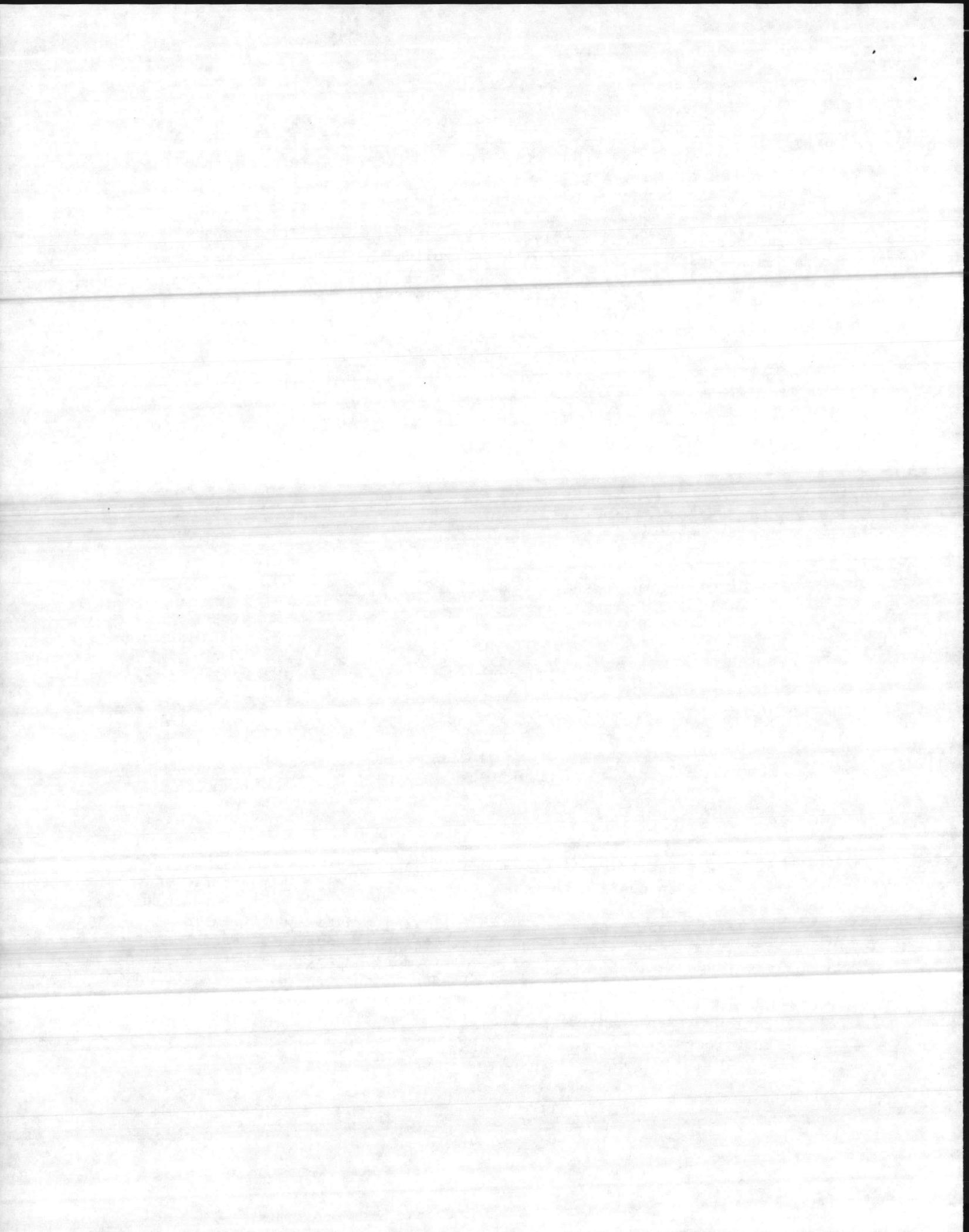
Part I

B. Schedule of Compliance

1. The permittee shall comply with Final Effluent Limitations specified for discharges in accordance with the following schedule:

Permittee shall comply with Final Effluent Limitations by the effective date of the permit.

2. Permittee shall at all times provide the operation and maintenance necessary to operate the existing facilities at optimum efficiency.
3. No later than 14 calendar days following a date identified in the above schedule of compliance, the permittee shall submit either a report of progress or, in the case of specific actions being required by identified dates, a written notice of compliance or noncompliance. In the latter case, the notice shall include the cause of noncompliance, any remedial actions taken, and the probability of meeting the next schedule requirements.





State of North Carolina  
Department of Natural Resources and Community Development  
Division of Environmental Management  
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

February 19, 1988

R. Paul Wilms  
Director

Commanding General  
U.S. Marine Corps Base  
Camp Geiger Sewage Treatment Plant  
Camp LeJeune, N.C. 28542

Subject: Modification to NPDES  
Permit No. NC0062995  
USMC - Camp Geiger STP  
Onslow County

Dear Sir:

On February 18, 1988, the Division of Environmental Management issued NPDES Permit No. NC0062995 to US Marine Corps. A review of the Permit file has indicated that an error was inadvertently made in the Permit. Accordingly, we are forwarding herewith this modification to correct the Permit Number on the cover page of the Permit.

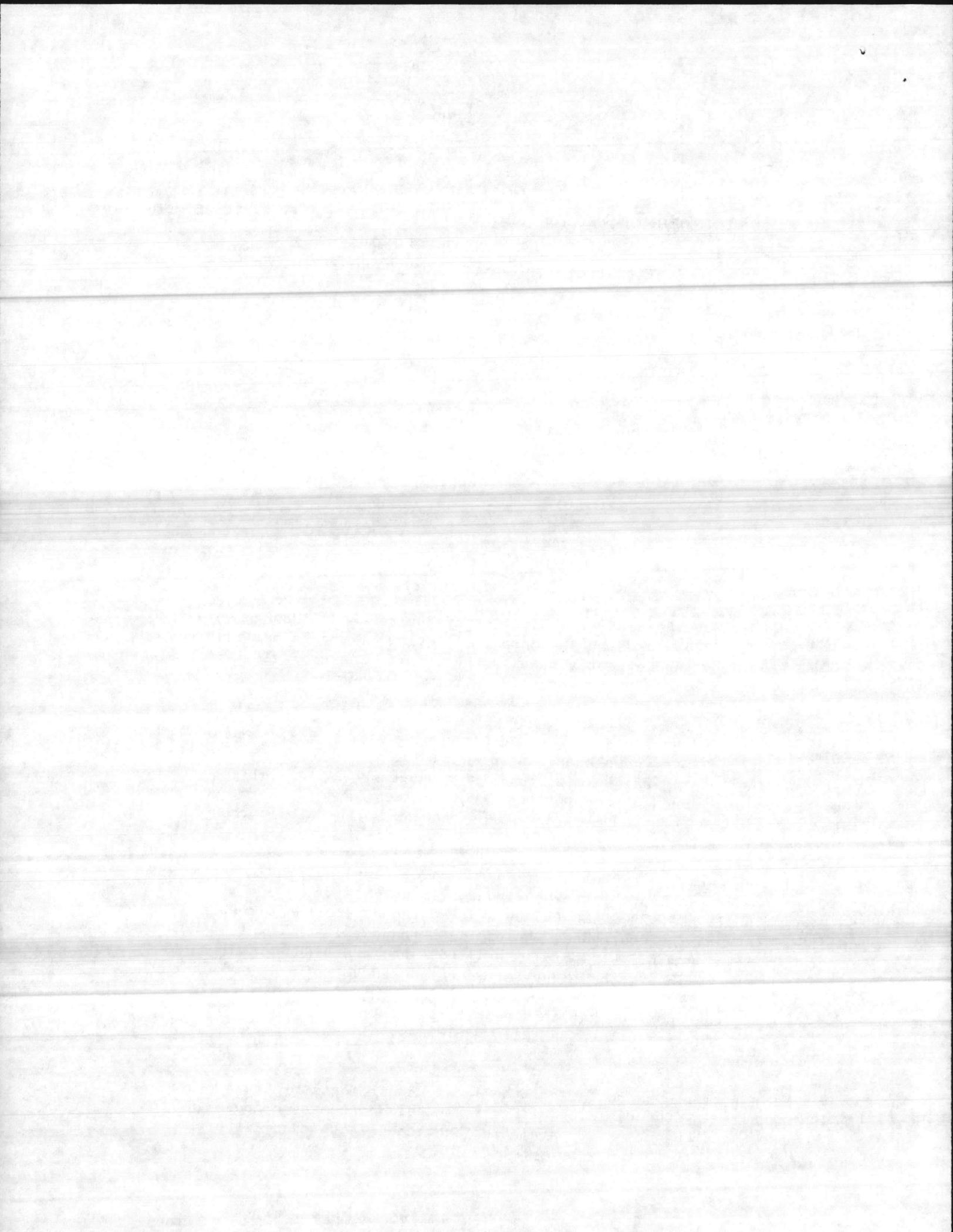
Please find enclosed an amended cover page which should be inserted into your Permit. The old cover page should be discarded. All other terms and conditions contained in the original Permit remain unchanged and in full effect. This Permit modification is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the U.S. Environmental Protection Agency.

If any parts, measurements frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508 (b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2 addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

*Pollution Prevention Pays*



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT  
P E R M I T  
To DISCHARGE WASTEWATER UNDER THE  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps

is hereby authorized to discharge wastewater from a facility located at

Camp LeJeune  
Camp Geiger Sewage Treatment Plant  
Onslow County

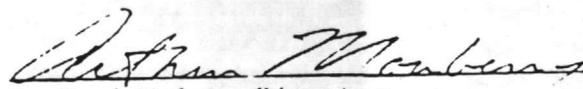
to receiving waters designated as the New River in the White Oak River Basin

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

This permit shall become effective March 1, 1988

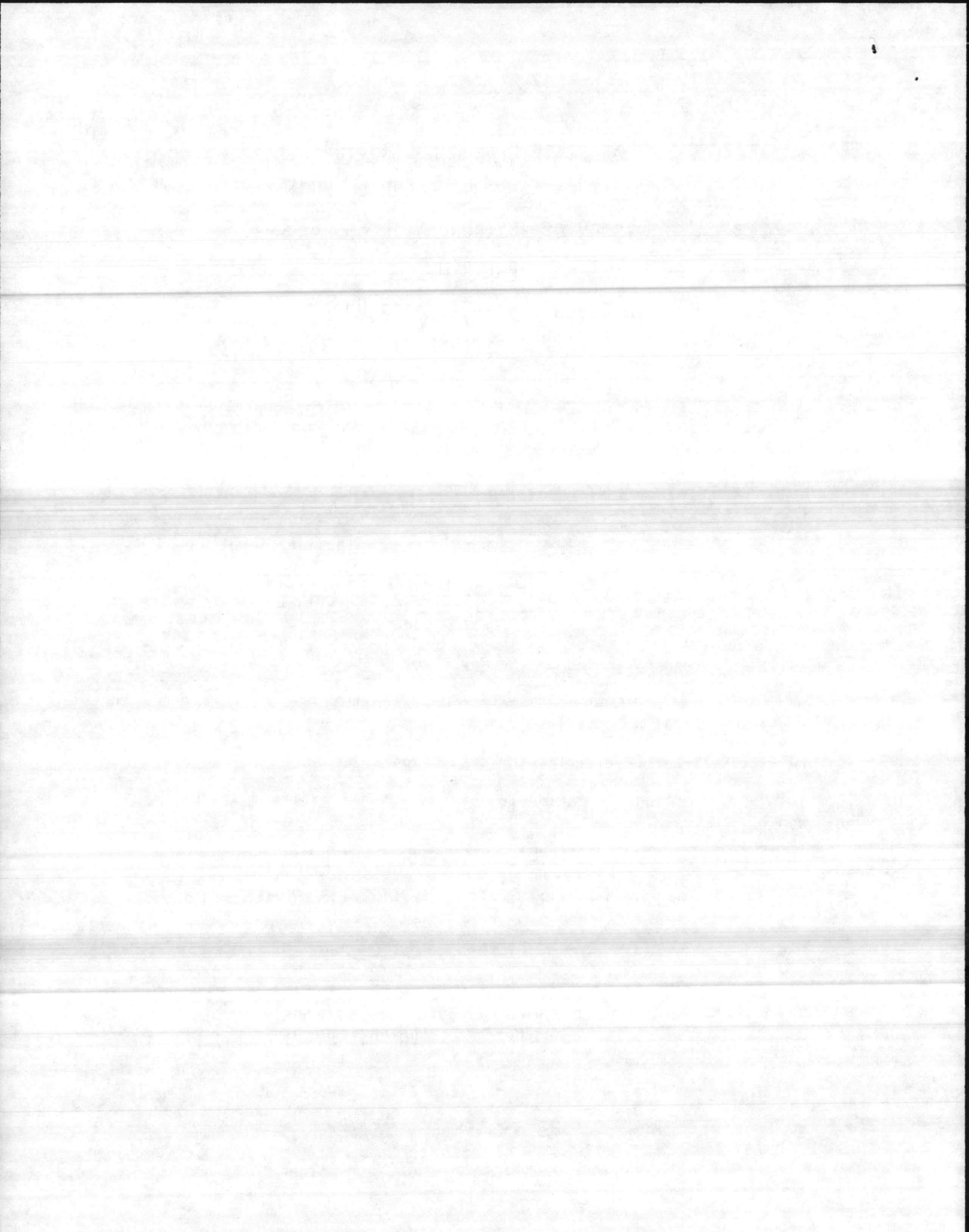
This permit and the authorization to discharge shall expire at midnight on February 28, 1993

Signed this day February 18, 1988

  
R. Paul Wilms, Director

Division of Environmental Management

By Authority of the Environmental Management Commission





State of North Carolina  
Department of Natural Resources and Community Development  
Division of Environmental Management  
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

R. Paul Wilms  
Director

May 18, 1987

M E M O R A N D U M

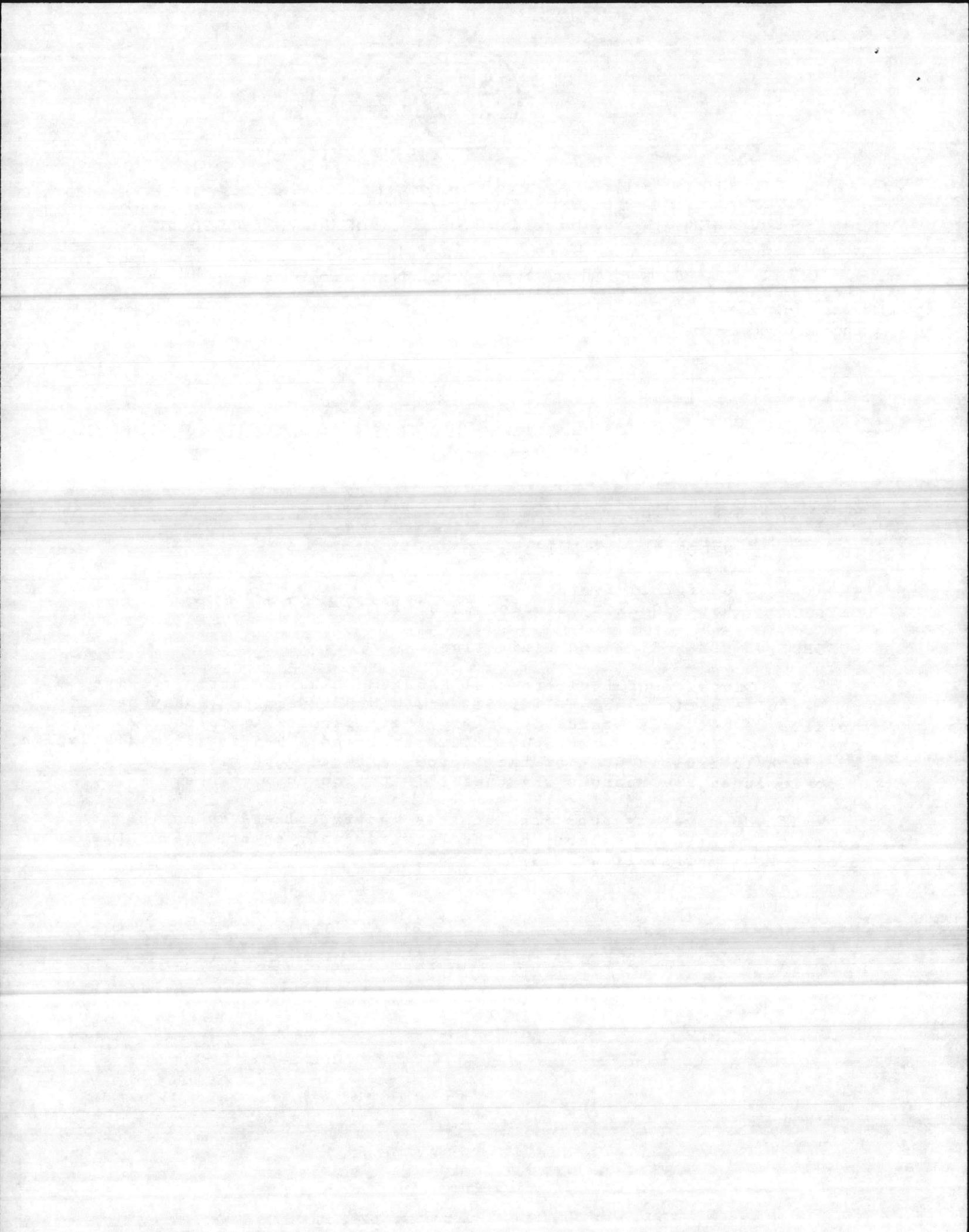
TO: NPDES Permit Holders

FROM: George T. Everett  
Water Quality Section Chief *George T. Everett*

SUBJECT: NPDES Effluent Limitations

The Division of Environmental Management has recently received a number of questions about limitations in NPDES permits. Many permit holders do not understand how or why their permit limitations can change. For your information, I have enclosed a brief explanation which should help explain some of the factors affecting permit limitations. Also included are reasons why these limitations may change.

If you have any questions on this matter, please do not hesitate to contact Mr. Arthur Mouberry of the Permits staff or Mr. Trevor Clements of the Modeling staff at 919/733-5083.

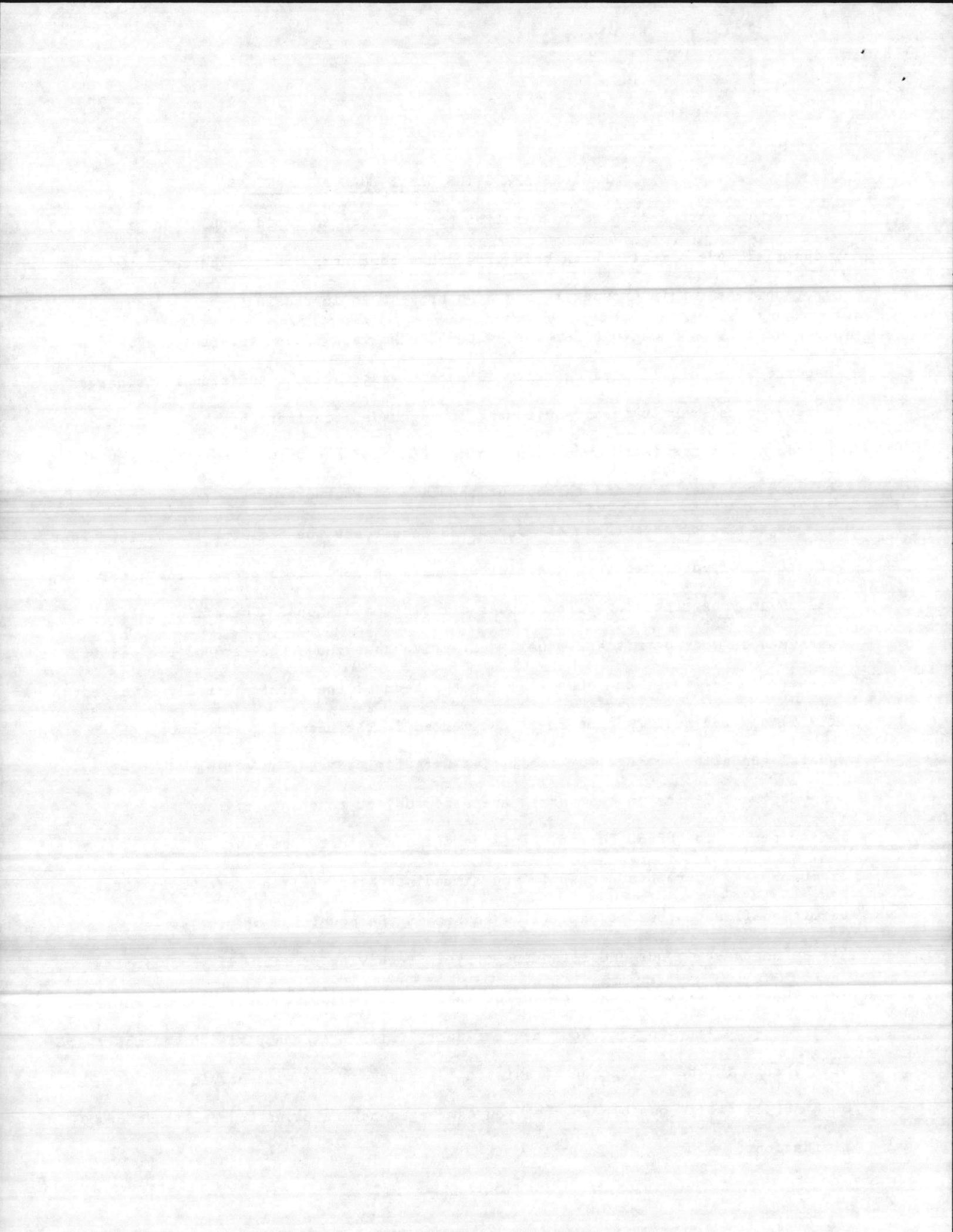


### FACTORS AFFECTING WASTE LOAD ALLOCATIONS

Over the past decade North Carolina has experienced rapid population growth and industrial development. With this growth has come more jobs and better housing opportunities. This prosperity has also brought an increasing demand on our State water's as locations for wastewater discharges. These waters are a resource with only limited capacity to accept wastewater. Additional discharges, in many cases, result in a requirement for upgraded treatment by the existing dischargers. This is an unfortunate side effect of our growth, but it is one that you must consider now, and throughout the life of your project.

Beginning on page three of your NPDES permit are the effluent limitations that you are required to meet. These limitations were derived to protect the water quality in your receiving stream under existing conditions. The effluent limits contained in your permit are usually effective throughout the term of the permit. However, these limits can change during the term of the permit (usually five years) if: (1) a water quality concern is documented in the receiving stream or, (2) the federal guidelines change for facilities with limits based on effluent guidelines.

Effluent limits in the permit are also subject to change at the time of reissuance of the NPDES Permit. This change can result from several factors, for example: (1) more discharges in your immediate area, (2) an increase in total permitted flow to your stream, (3) a change in the condition of your stream, (4) an increase in our understanding of your receiving stream. If your limits do change, you will be responsible for taking the action necessary to upgrade your treatment facility to meet your new effluent limits. As the Division becomes aware of a change in the limitation of existing dischargers, we will provide you with as much notice as is possible so that you can begin making plans to meet those new limitations.





State of North Carolina  
Department of Natural Resources and Community Development

Division of Environmental Management

512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

January 30, 1987  
CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

R. Paul Wilms  
Director

Commanding General  
Marine Corps Base  
Office of AC/S Facilities  
Camp Lejeune, NC 28542

Subject: Permit No. NC0063029  
~~XXXXXXXXXXXXXXXXXXXX~~  
Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

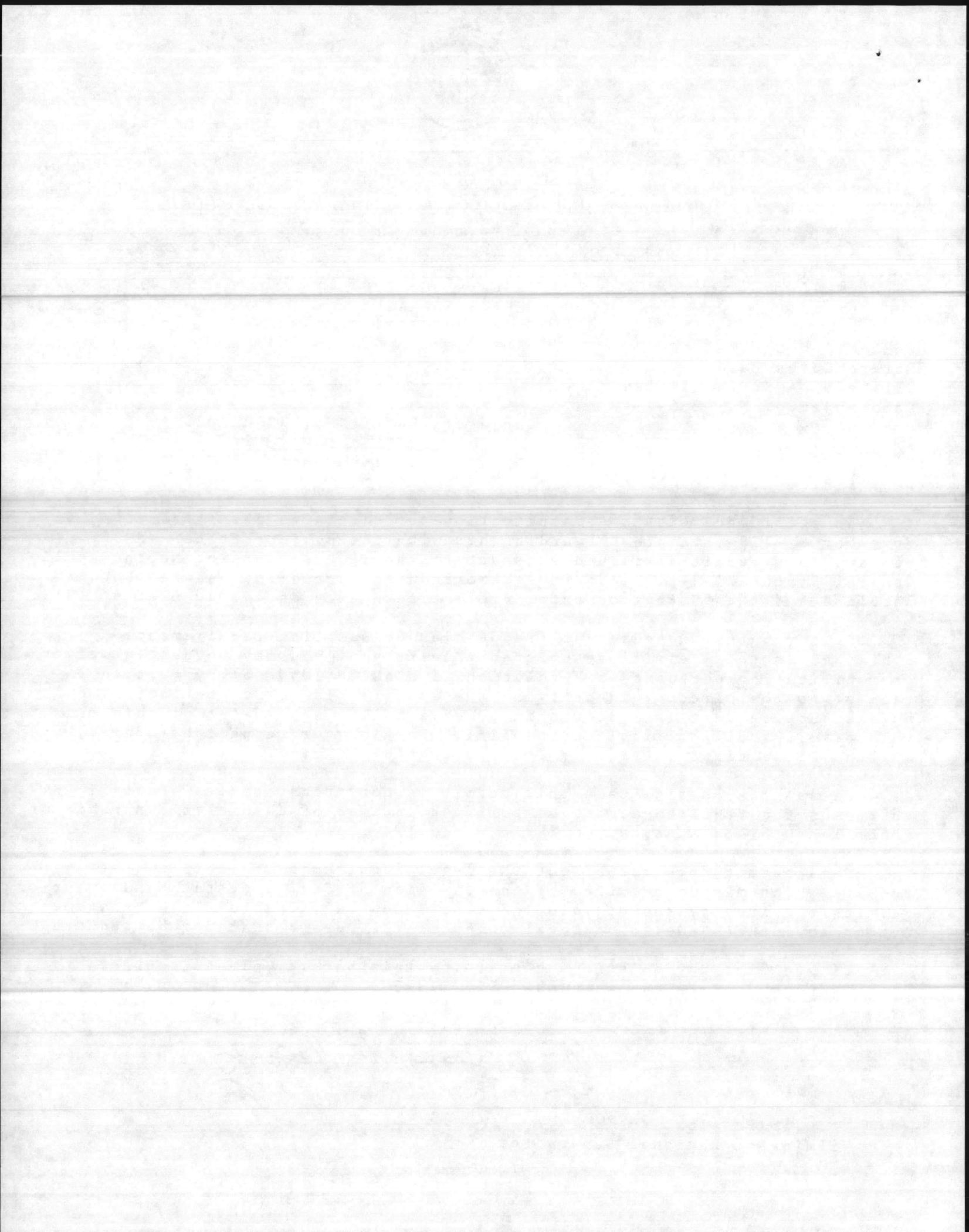
Sincerely,

R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
Wilmington Regional Supervisor

Pollution Prevention Pays

P.O. Box 27687, Raleigh, North Carolina 27611-7687 Telephone 919-733-7015



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps

is hereby authorized to discharge wastewater from a facility located at

Camp LeJeune  
~~\_\_\_\_\_~~

Onslow County

to receiving waters designated as the New River in the White Oak River Basin

in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

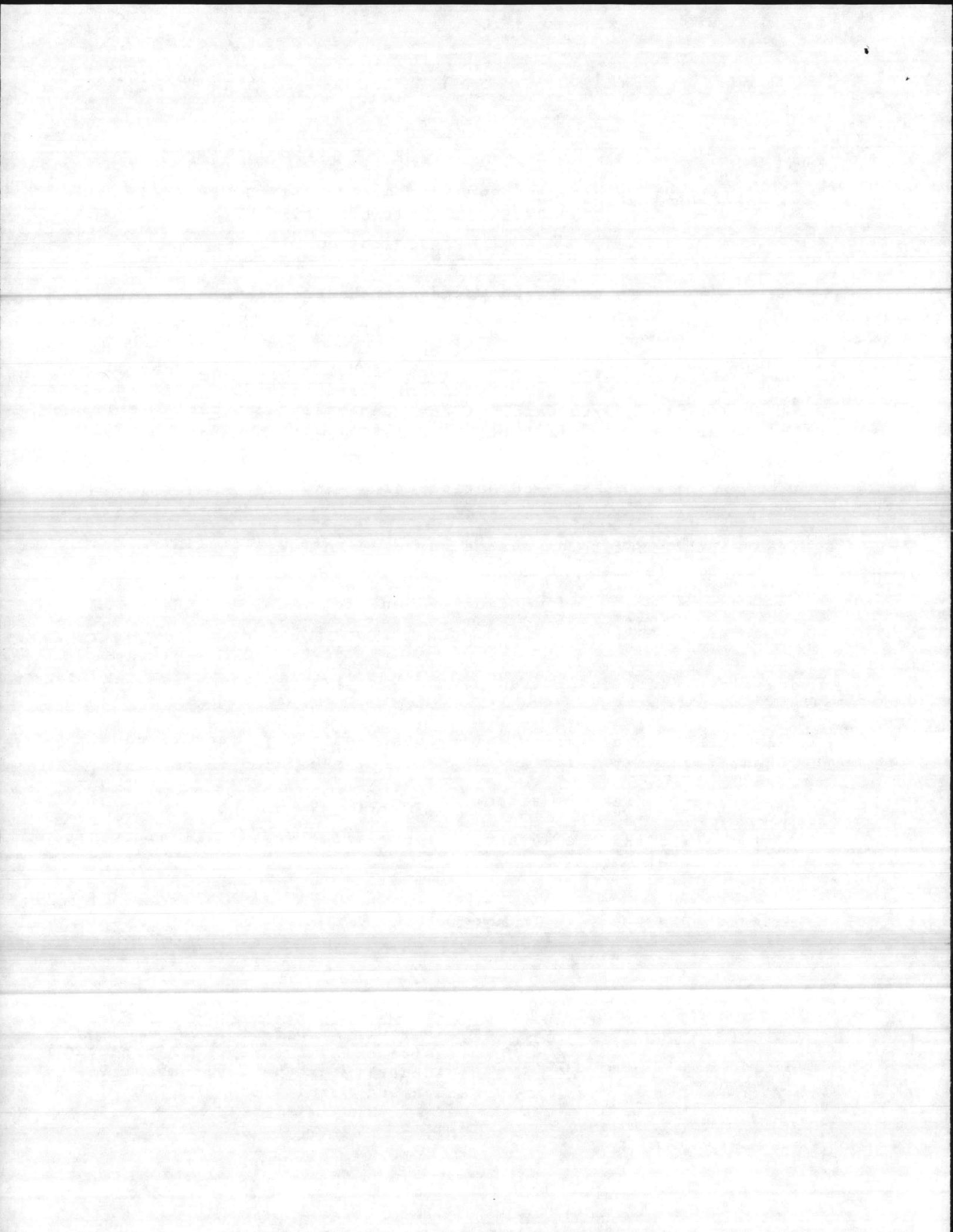
This permit shall be effective February 1, 1987

This permit and the authorization to discharge shall expire at midnight on January 31, 1992

Signed this day of January 30, 1987



  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission



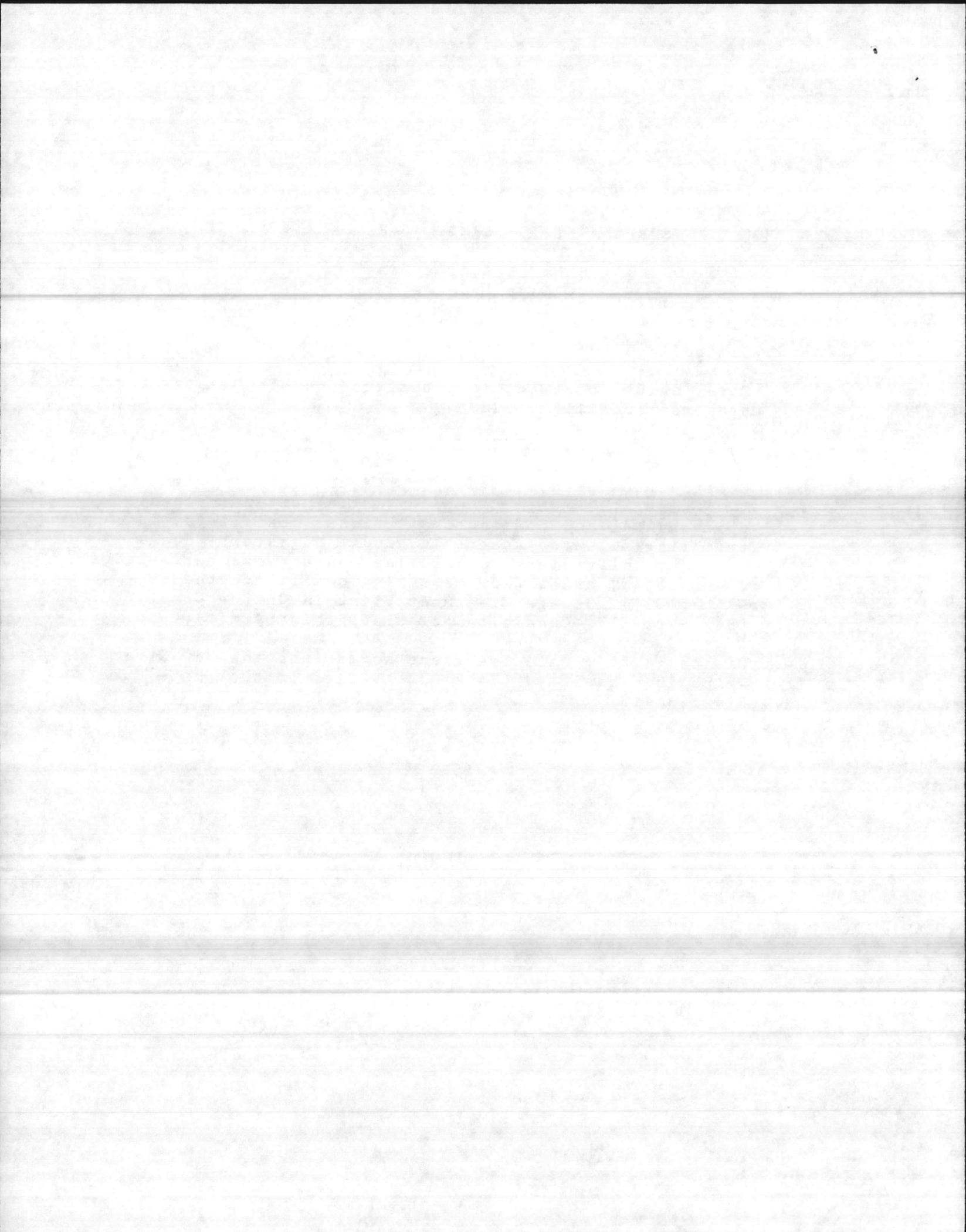
# HADNOT BINT

## SUPPLEMENT TO PERMIT COVER SHEET

US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Enter into a contract for construction of a wastewater treatment facility, and
2. Make an outlet into the New River, and
3. Continue to operate a ~~sewage treatment plant~~ consisting of an influent grit channel and comminutors, primary clarifiers, dual trickling filters, anaerobic sludge digestors, dual secondary clarifiers, a chlorine contact chamber, sludge drying beds, and a flow measuring device located ~~at~~ Sewage Treatment Plant in Onslow County (See Part III, Condition No. B. of this permit), and
4. Discharge from said treatment works into the New River which is classified Class "SC" waters in the White Oak River Basin.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final

HADNOT POINT @ 5.87 MGD OR LESS

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u> (1)		<u>Monitoring Requirements</u>				
	<u>Kg/day (lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>* Sample Location</u>
	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>			
Flow (1)			5.87 MGD		Continuous	Recording	I or E
BOD, 5Day, 20°C			30.0 mg/l	45.0 mg/l	Daily	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	Daily	Composite	E
<del>NH<sub>3</sub> as N</del>					Daily	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Daily	Grab	E
Fecal Coliform (geometric mean)			14.0/100 ml	28.0/100 ml	Daily	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Daily	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Monthly	Composite	E
Total Phosphorus					Monthly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l **	2/Month	Grab	E

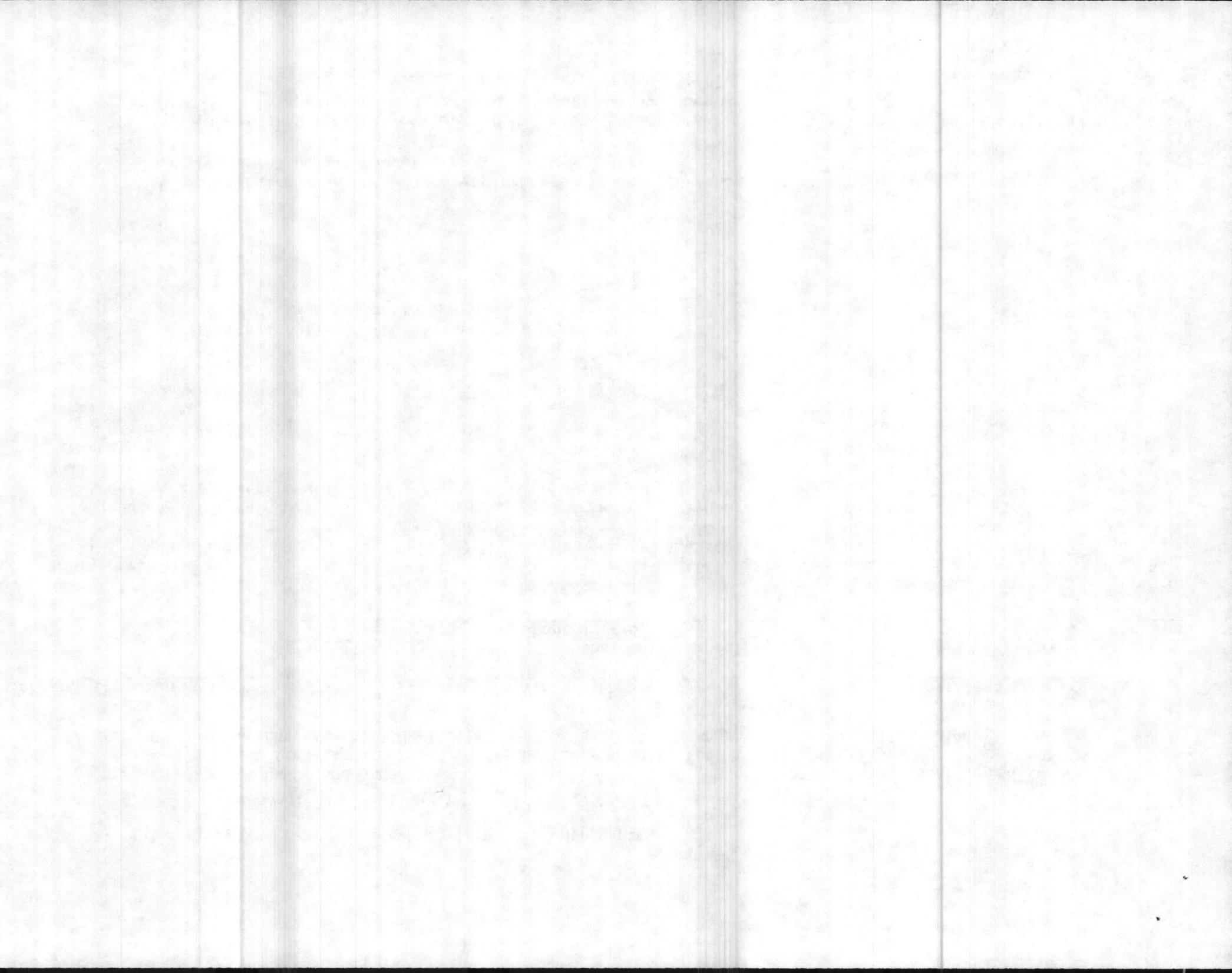
\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limitation

(1) ~~These discharge effluent limitations apply only to flows of 5.87 MGD or less. For flows greater than 5.87 MGD, see Part I, A. (2) of this permit.~~

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored daily at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.



A. (2). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final (with diffuser) ~~March 1988~~

**HADNOT POINT @ MORE THAN 5.87 MGD**

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics	Discharge Limitations <sup>1</sup>		Monitoring Requirements				
	Kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	* Sample Location
Monthly Avg.	Weekly Avg.	Monthly Avg.	Weekly Avg.				
Flow <sup>1</sup>			<del>10 MGD</del>		Continuous	Recording	I or E
BOD, 5Day, 20°C			22.0 mg/l	33.0 mg/l	Daily	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	Daily	Composite	E
<del>NH<sub>3</sub> as N</del>			<del>19.0 mg/l</del>	<del>28.5 mg/l</del>	Daily	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Daily	Grab	E
Fecal Coliform (geometric mean)			14.0/100 ml	28.0/100 ml	Daily	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Daily	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Monthly	Composite	E
Total Phosphorus					Monthly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l **	2/Month	Grab	E

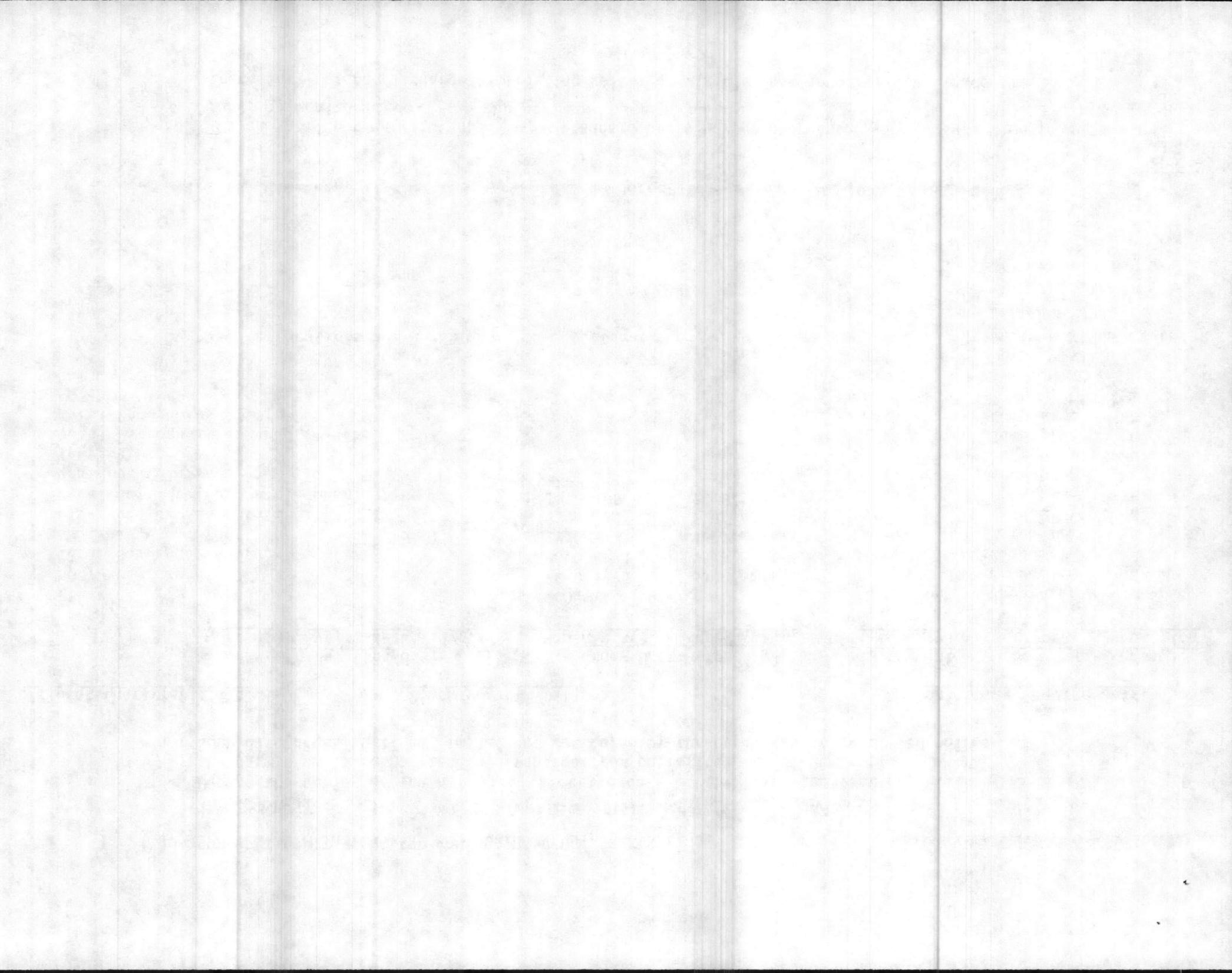
\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limit

~~1. These discharge limitations apply to flow rates greater than 5.87 MGD up to 8.0 MGD.~~

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored daily at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.



A. (2). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final (with diffuser) ~~Summer April 1 to October 31~~

HADNOT POINT @ MORE THAN 5.87 MGD

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

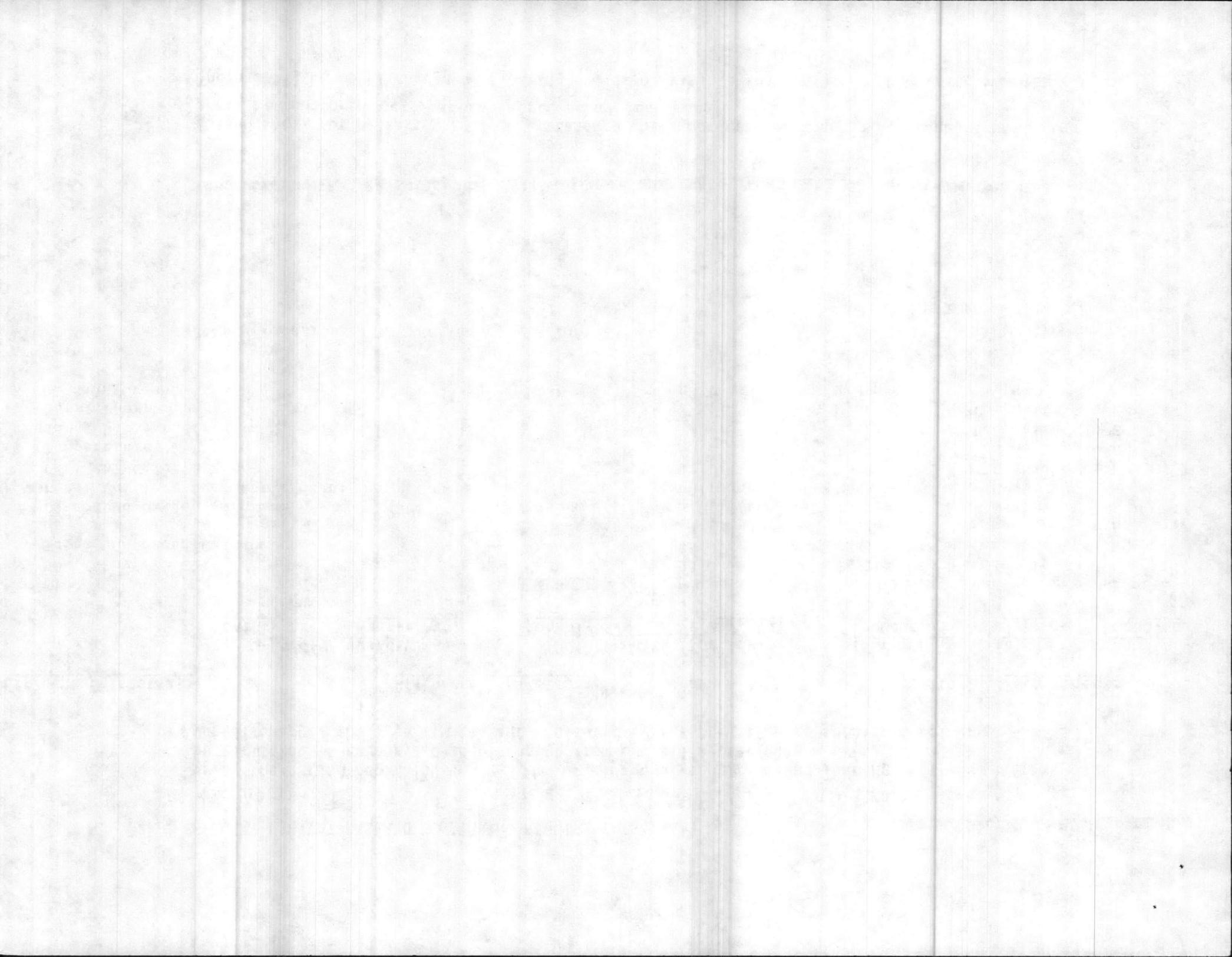
Effluent Characteristics	Discharge Limitations <sup>1</sup>		Monitoring Requirements				
	Kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	* Sample Location
	Monthly Avg.	Weekly Avg.	Monthly Avg.	Weekly Avg.			
Flow <sup>1</sup>			<del>8.0 MGD</del>		Continuous	Recording	I or E
BOD, 5Day, 20°C			22.0 mg/l	33.0 mg/l	Daily	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	Daily	Composite	E
<del>NH<sub>3</sub>-N</del>			<del>8.0 mg/l</del>	<del>19.5 mg/l</del>	Daily	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Daily	Grab	E
Fecal Coliform (geometric mean)			14.0/100 ml	28.0/100 ml	Daily	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Daily	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Monthly	Composite	E
Total Phosphorus					Monthly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l **	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limit

<sup>1</sup> ~~These discharge limitations apply to flow rates greater than 5.87 MGD up to 8.0 MGD.~~

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored daily at the effluent by grab sample.  
 There shall be no discharge of floating solids or visible foam in other than trace amounts.





State of North Carolina  
 Department of Natural Resources and Community Development  
 Division of Environmental Management  
 512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
 S. Thomas Rhodes, Secretary

January 30, 1987  
 CERTIFIED MAIL  
 RETURN RECEIPT REQUESTED

R. Paul Wilms  
 Director

Commanding General  
 Marine Corps Base  
 Office of AC/S Facilities  
 Camp Lejeune, NC 28542

Subject: Permit No. NC0063002  
 [REDACTED]  
 Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

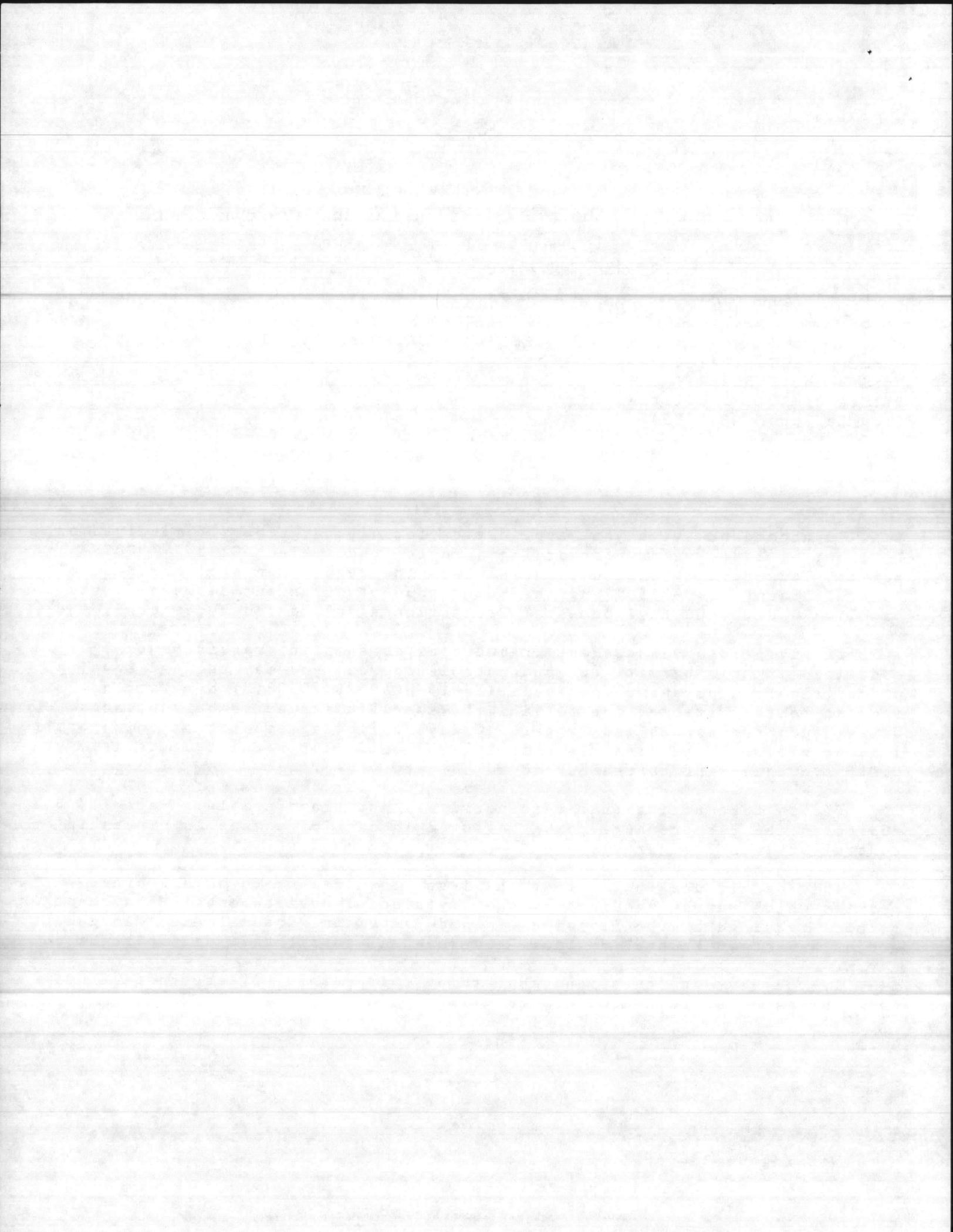
If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
 Wilmington Regional Supervisor

Pollution Prevention Pays



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps Base

is hereby authorized to discharge wastewater from a facility located at

Camp LeJeune

~~Onslow County~~  
Onslow County

to receiving waters designated as Northeast Creek in the White Oak River Basin

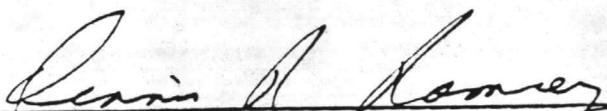
in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

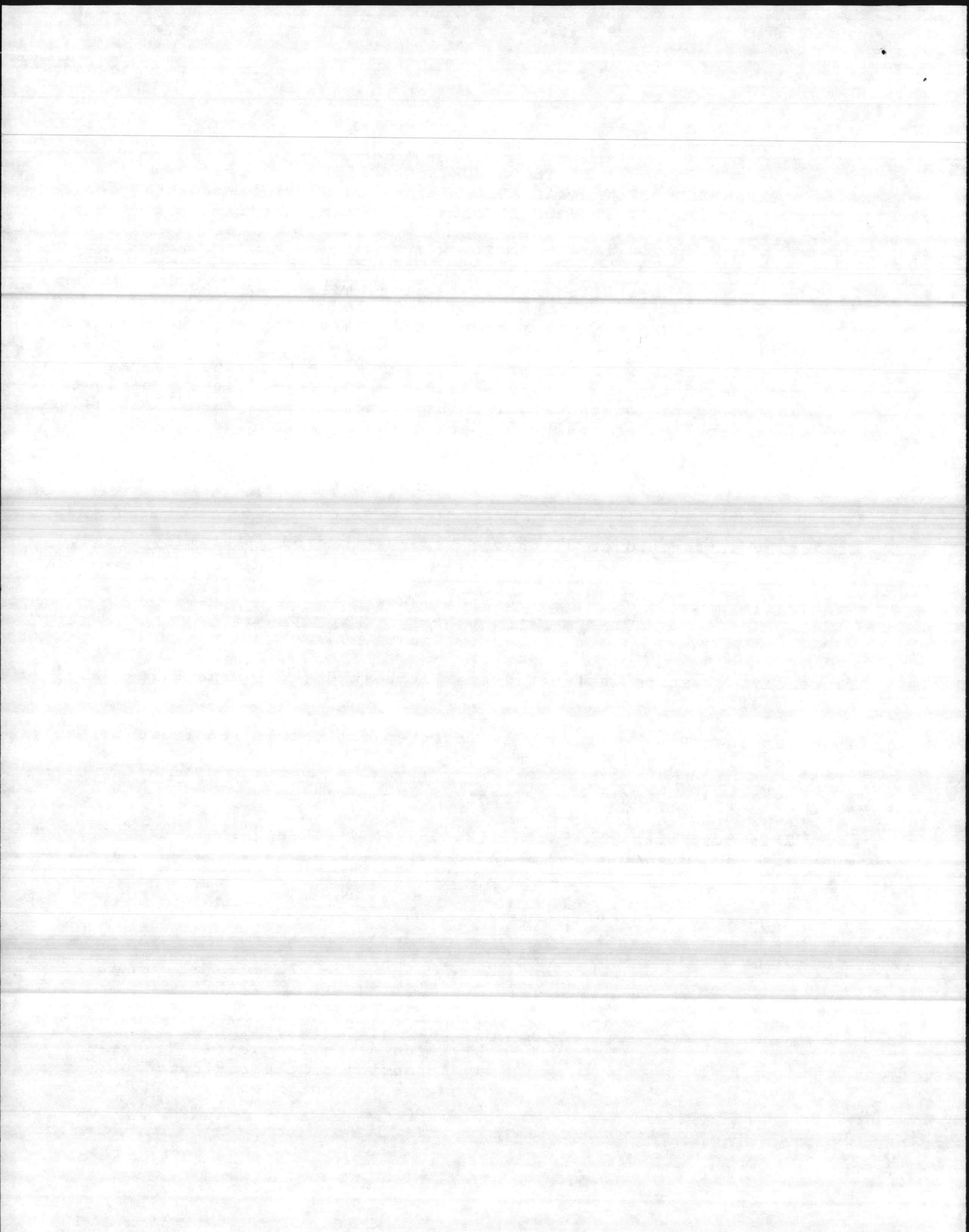
This permit shall be effective February 1, 1987

This permit and the authorization to discharge shall expire at midnight on January 31, 1992

Signed this day of January 30, 1987



  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission



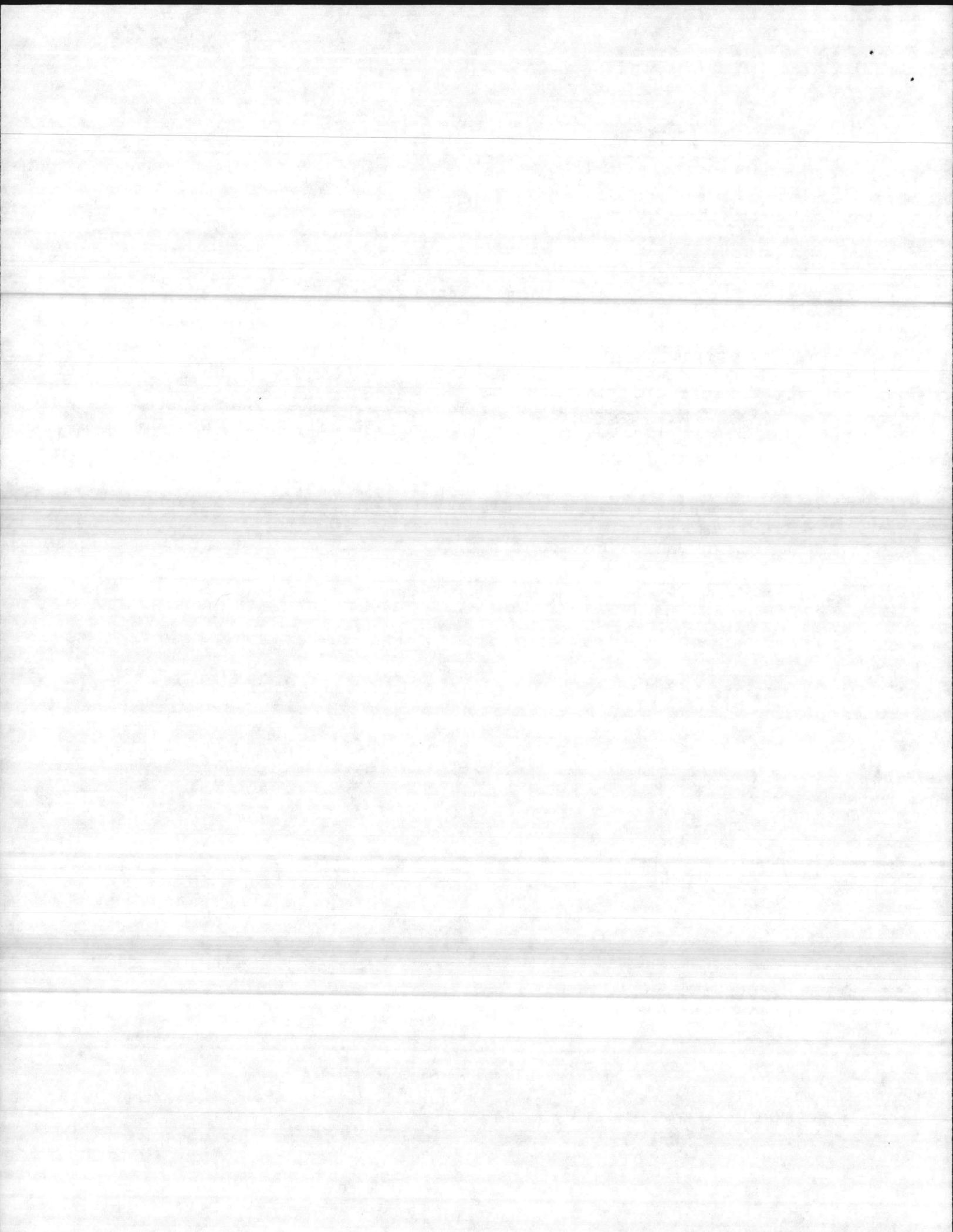
# TARAWA TERRACE

## SUPPLEMENT TO PERMIT COVER SHEET

US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Continue to operate a ~~sewerage treatment plant~~  
~~located at Tarawa Terrace~~  
Sewage Treatment Plant in Onslow County (See Part III,  
condition No. B. of this permit), and
2. Discharge from said treatment works into Northeast Creek  
which is classified Class "SC" waters in the White Oak  
River Basin.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final

**TARAWA TERRACE**

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

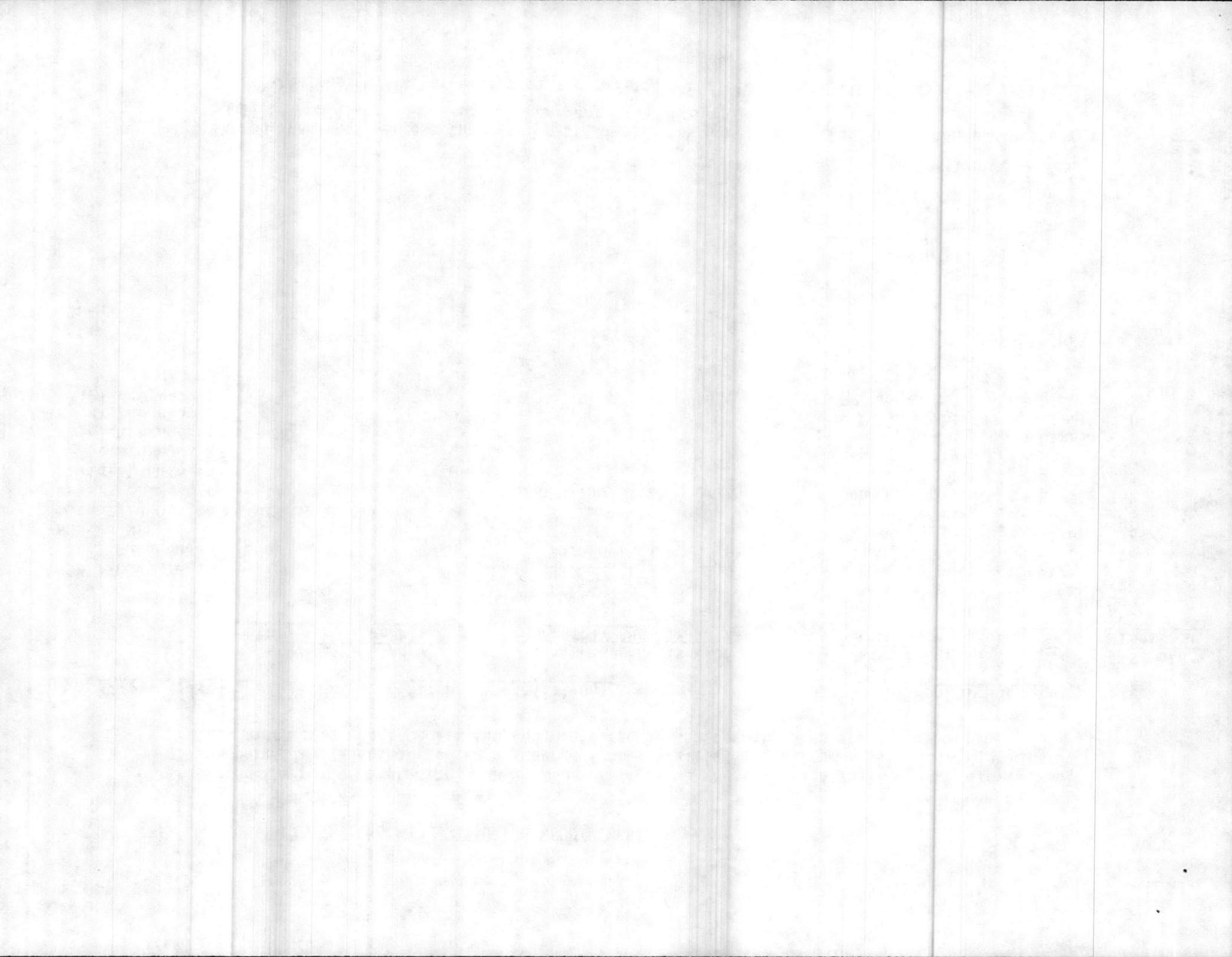
<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>				
	<u>Kg/day (lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>* Sample Location</u>
	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>			
Flow			1.25 MGD		Continuous	Recording	I or E
BOD, 5Day, 20°C			30.0 mg/l	45.0 mg/l	Daily	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	Daily	Composite	E
NH <sub>3</sub> as N					2/Month	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Daily	Grab	E
Fecal Coliform (geometric mean)			1000.0/100 ml	2000.0/100 ml	Daily	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Daily	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Monthly	Composite	E
Total Phosphorus					Monthly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l **	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limit

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored daily at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.





State of North Carolina  
 Department of Natural Resources and Community Development  
 Division of Environmental Management  
 512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
 S. Thomas Rhodes, Secretary

January 30, 1987  
 CERTIFIED MAIL  
 RETURN RECEIPT REQUESTED

R. Paul Wilms  
 Director

Commanding General  
 Marine Corps Base  
 Office of AC/S Facilities  
 Camp Lejeune, NC 28542

Subject: Permit No. NC0063011  
~~\_\_\_\_\_~~  
 Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

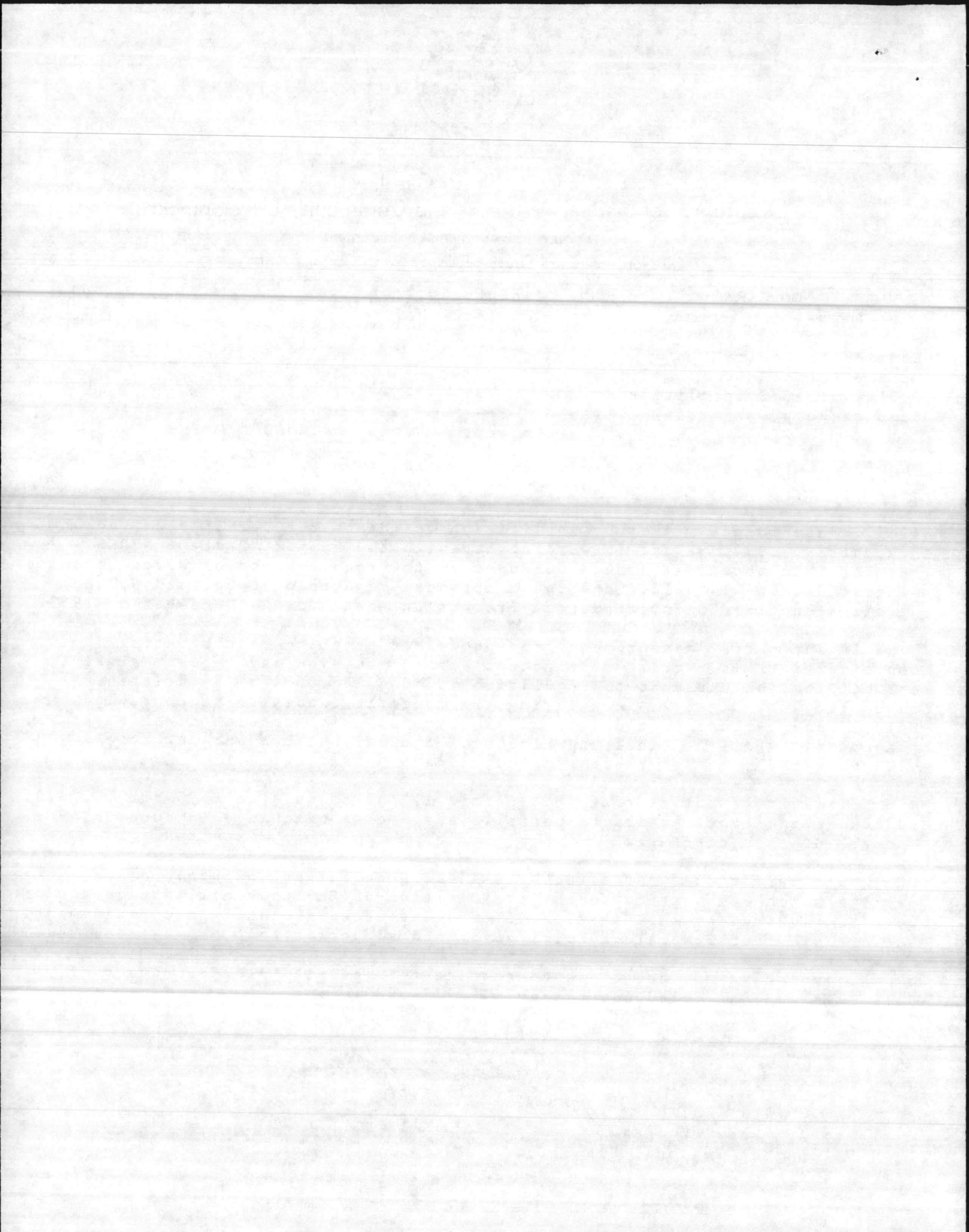
If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

*R. Paul Wilms*  
 R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
 Wilmington Regional Supervisor

Pollution Prevention Pays



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps Base

is hereby authorized to discharge wastewater from a facility located at

Camp LeJeune

~~Onslow County~~  
Onslow County

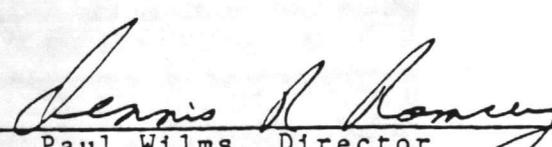
to receiving waters designated as the Northeast Creek in the White Oak River Basin

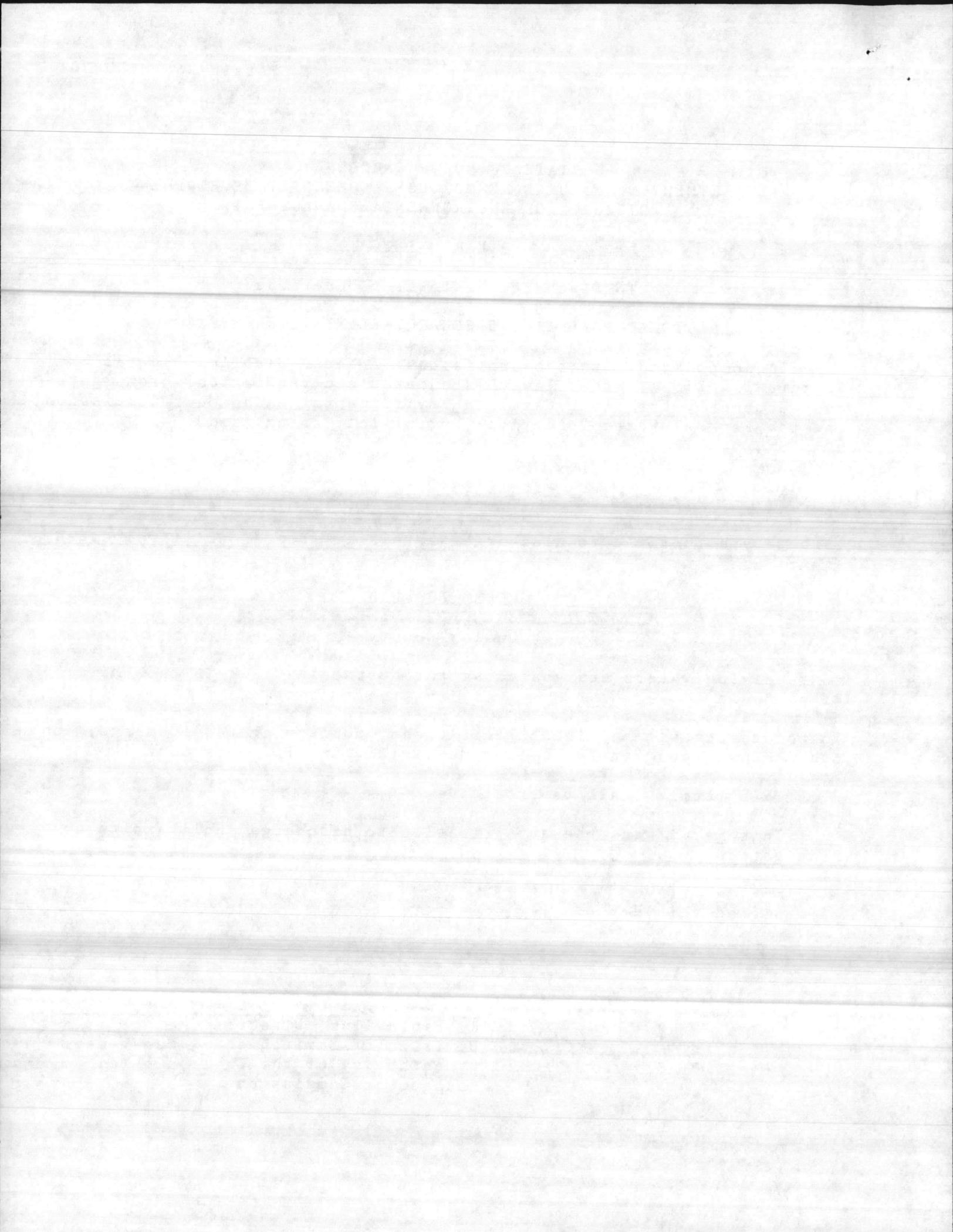
in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

This permit shall be effective February 1, 1987

This permit and the authorization to discharge shall expire at midnight on January 31, 1992

Signed this day of January 30, 1987

  
\_\_\_\_\_  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission



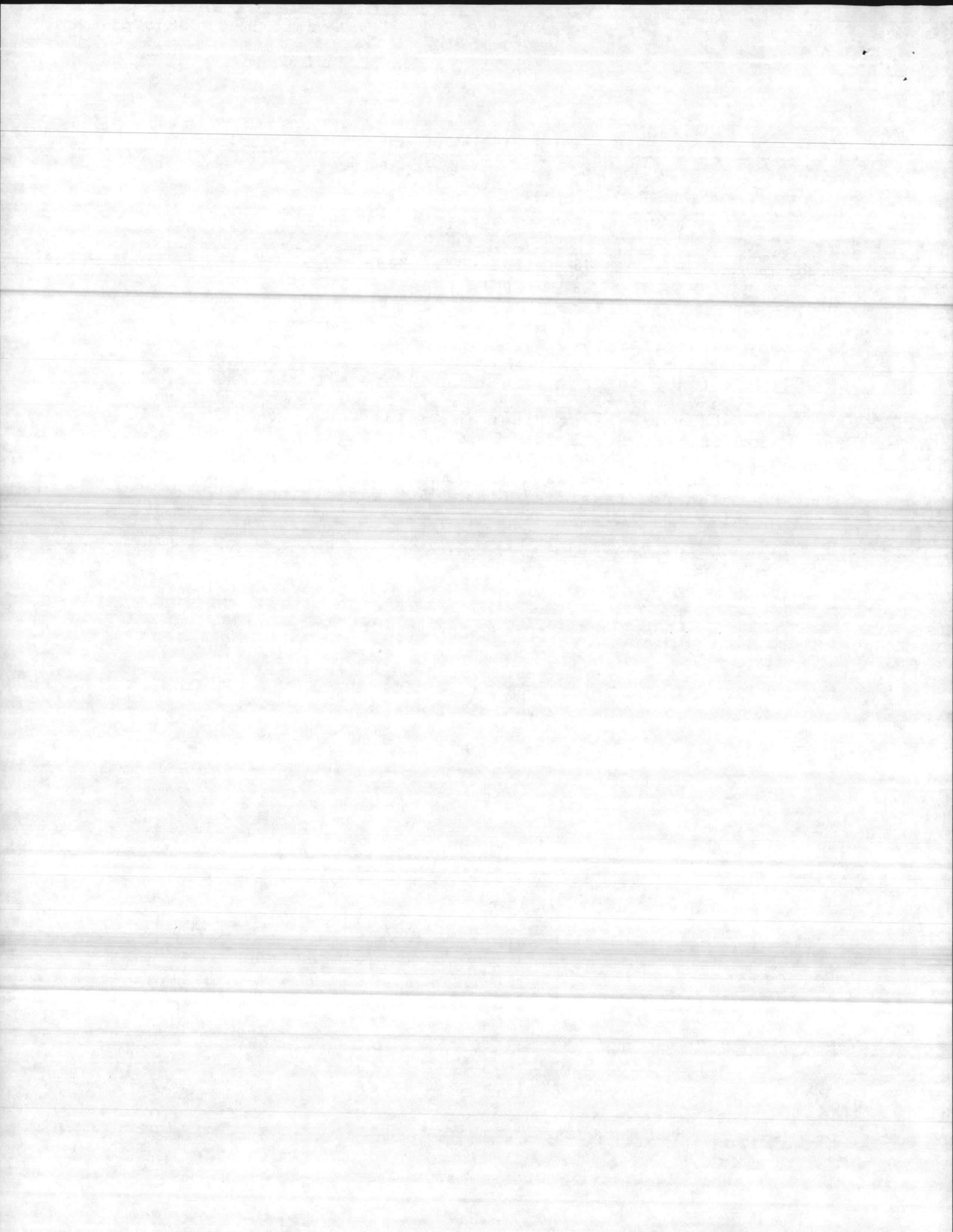
# CAMP JOHNSON

## SUPPLEMENT TO PERMIT COVER SHEET

US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Continue to operate a ~~bricklaying water type~~  
~~sewerage treatment plant located at Camp Johnson~~  
Sewage Treatment Plant in Onslow County (See Part III,  
condition No. B. of this permit), and
2. Discharge from said treatment works into Northeast Creek  
which is classified Class "SC" waters in the White Oak  
River Basin.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final (with diffuser)

**CAMP JOHNSON**

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

Effluent Characteristics

Discharge Limitations

Monitoring Requirements

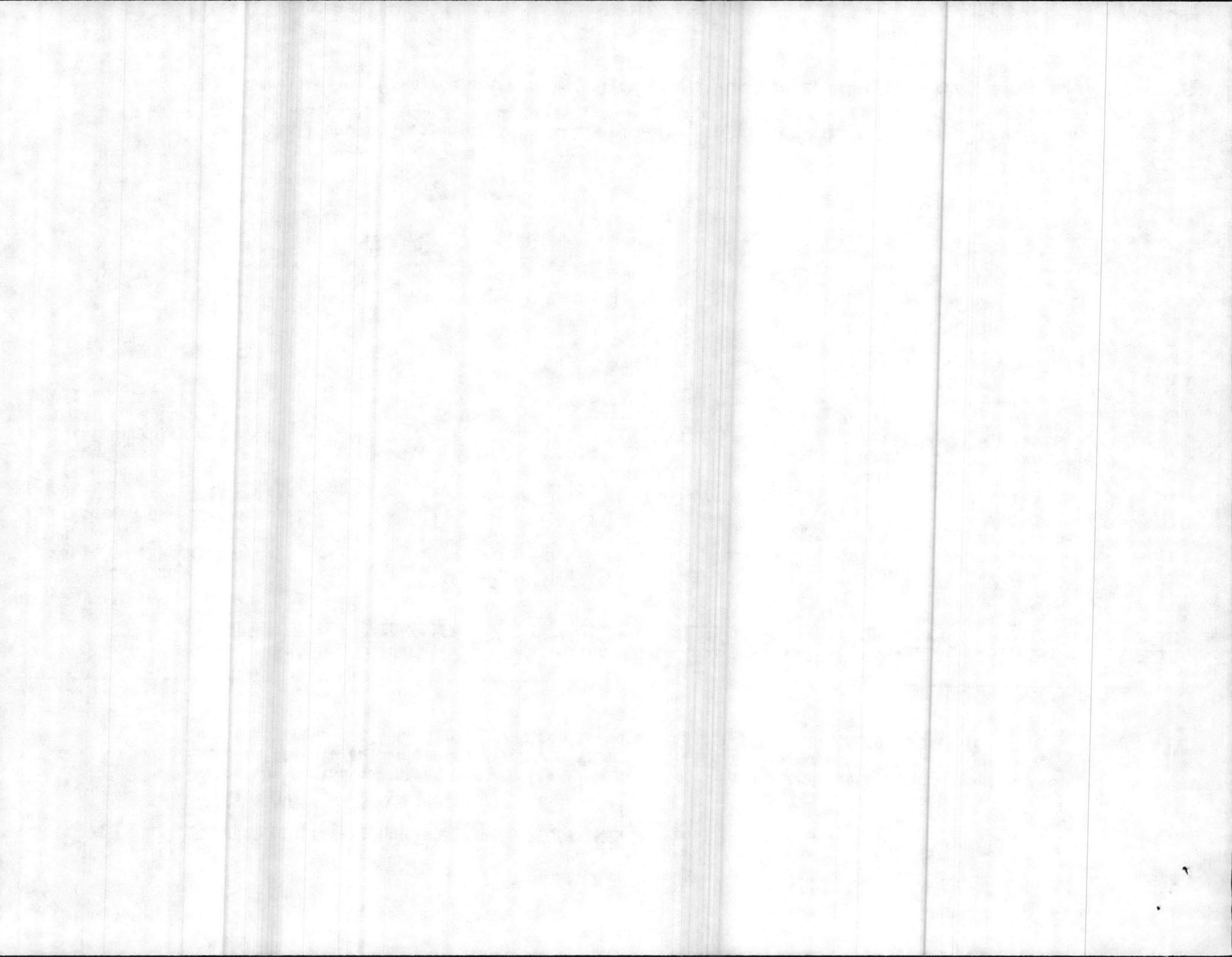
	<u>Kg/day (lbs/day)</u>		<u>Other Units (Specify)</u>		<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>* Sample Location</u>
	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Monthly Avg.</u>	<u>Weekly Avg.</u>			
Flow			1.0 MGD		Continuous	Recording	I or E
BOD, 5Day, 20°C			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
NH <sub>3</sub> as N					2/Month	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Weekly	Grab	E
Fecal Coliform (geometric mean)			1000.0/100 ml	2000.0/100 ml	2/Month	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Weekly	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Quarterly	Composite	E
Total Phosphorus					Quarterly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l **	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limit

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored 2/Month at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.





State of North Carolina  
Department of Natural Resources and Community Development  
Division of Environmental Management  
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

January 30, 1987  
CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

R. Paul Wilms  
Director

Commanding General  
Marine Corps Base  
Office of AC/S Facilities  
Camp Lejeune, NC 28542

Subject: Permit No. NC0063045  
~~CONFIDENTIAL~~  
Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

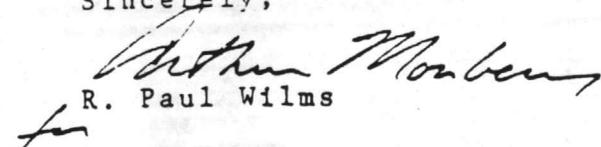
If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

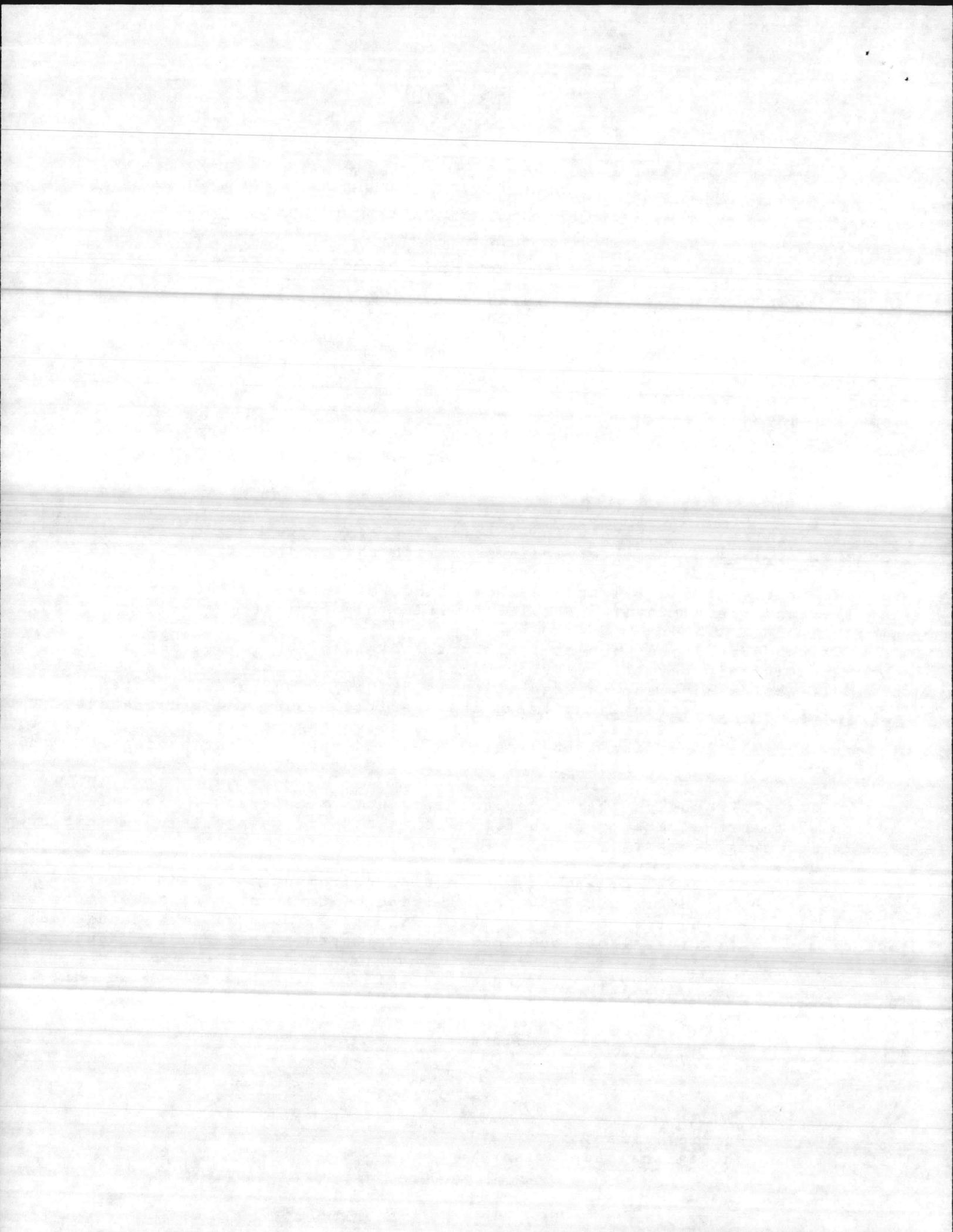
If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

  
R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
Wilmington Regional Supervisor

Pollution Prevention Pays



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps Base

is hereby authorized to discharge wastewater from a facility located at

Camp LeJeune  
~~\_\_\_\_\_~~

Onslow County

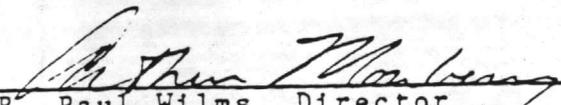
to receiving waters designated as the New River in the White Oak River Basin

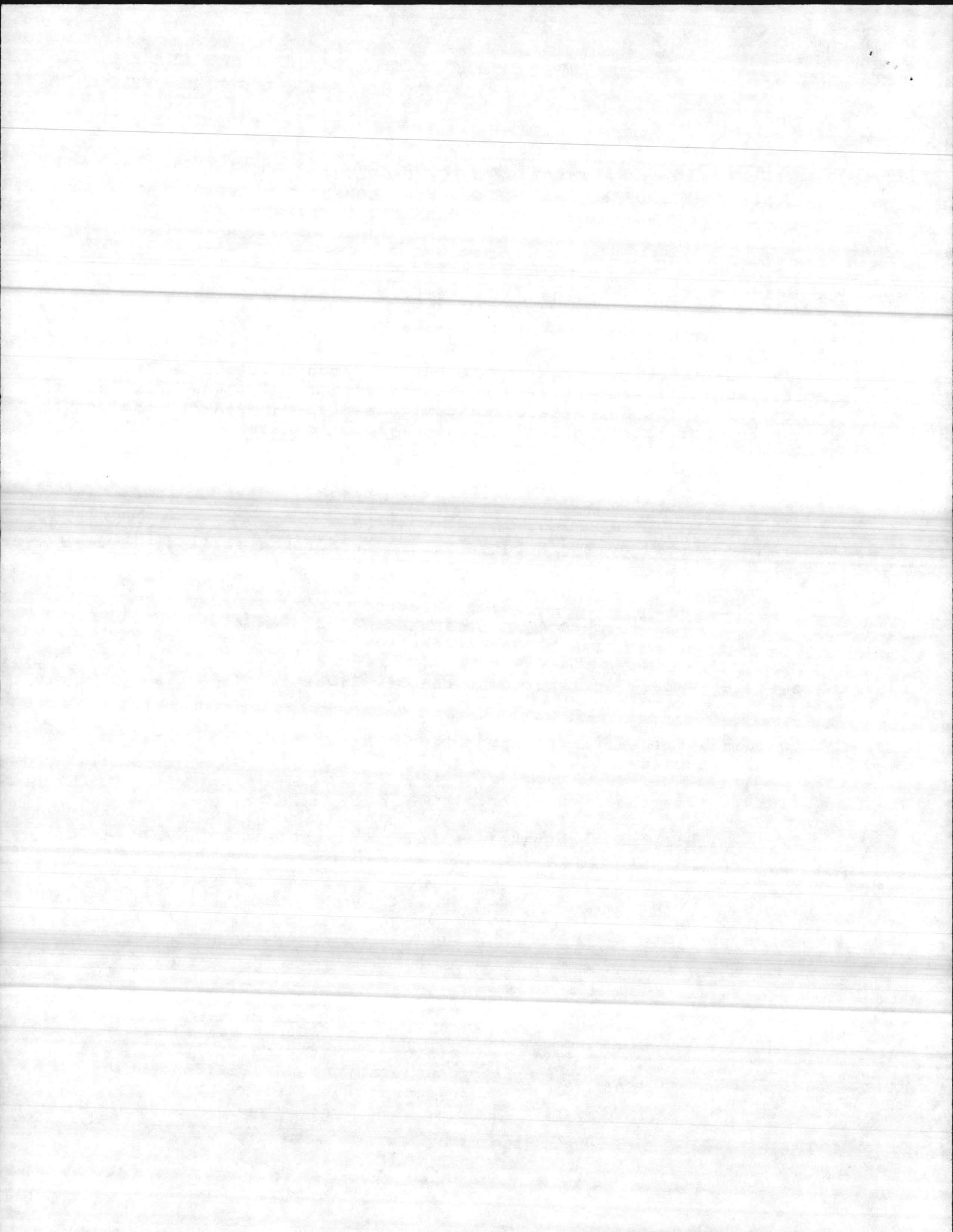
in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

This permit shall be effective February 1, 1987

This permit and the authorization to discharge shall expire at midnight on January 31, 1992

Signed this day of January 30, 1987

  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission



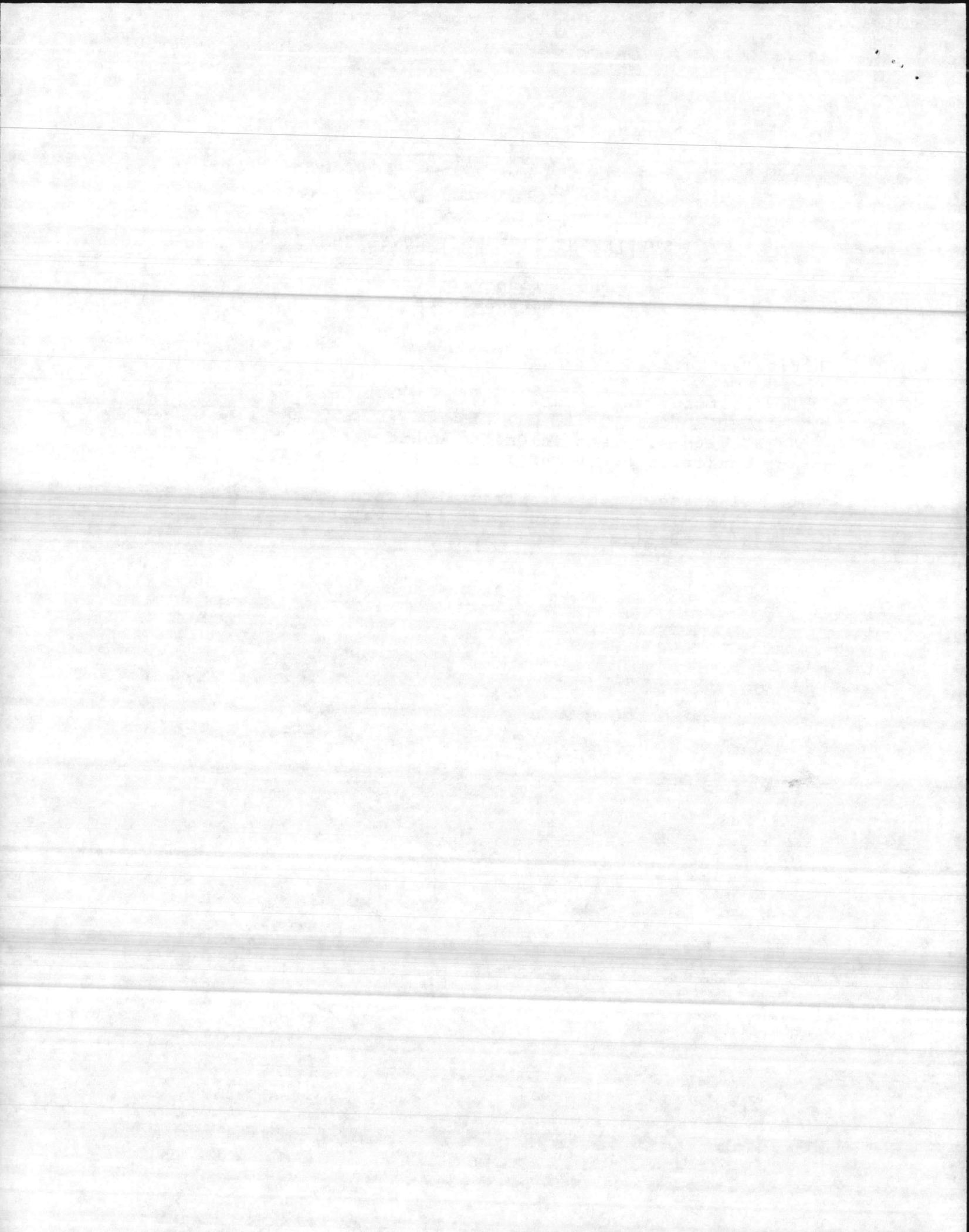
# COURTHOUSE BAY

## SUPPLEMENT TO PERMIT COVER SHEET

US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Continue to operate a ~~sanitary sewage treatment plant~~  
~~located at Courthouse Sewage~~  
Treatment Plant in Onslow County (See Part III,  
condition No. B. of this permit), and
2. Discharge from said treatment works into the New River  
which is classified Class "SC" waters in the White Oak  
River Basin.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final

COURTHOUSE BAY

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

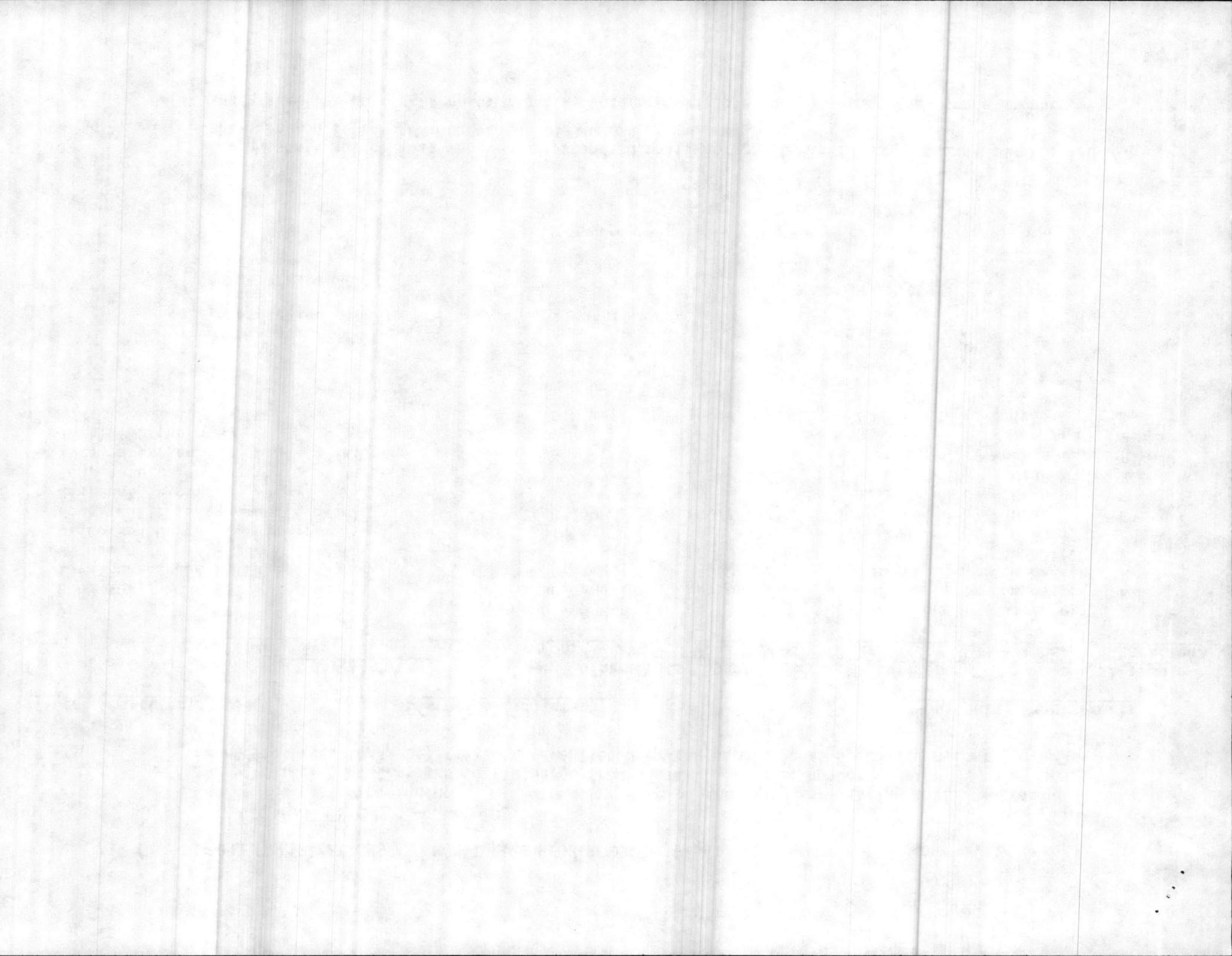
Effluent Characteristics	Discharge Limitations		Monitoring Requirements				
	Kg/day (lbs/day)		Other Units (Specify)		Measurement Frequency	Sample Type	* Sample Location
	Monthly Avg.	Weekly Avg.	Monthly Avg.	Weekly Avg.			
Flow			0.600 MGD		Continuous	Recording	I or E
BOD, 5Day, 20°C			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
NH <sub>3</sub> as N					2/Month	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Weekly	Grab	E
Fecal Coliform (geometric mean)			14.0/100 ml	28.0/100 ml	2/Month	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Weekly	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Quarterly	Composite	E
Total Phosphorus					Quarterly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l**	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limits

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored 2/Month at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.





State of North Carolina  
Department of Natural Resources and Community Development

Division of Environmental Management

512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

January 30, 1987  
CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

R. Paul Wilms  
Director

Commanding General  
Marine Corps Base  
Office of AC/S Facilities  
Camp Lejeune, NC 28542

Subject: Permit No. NC0063037  
~~CONFIDENTIAL~~  
Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

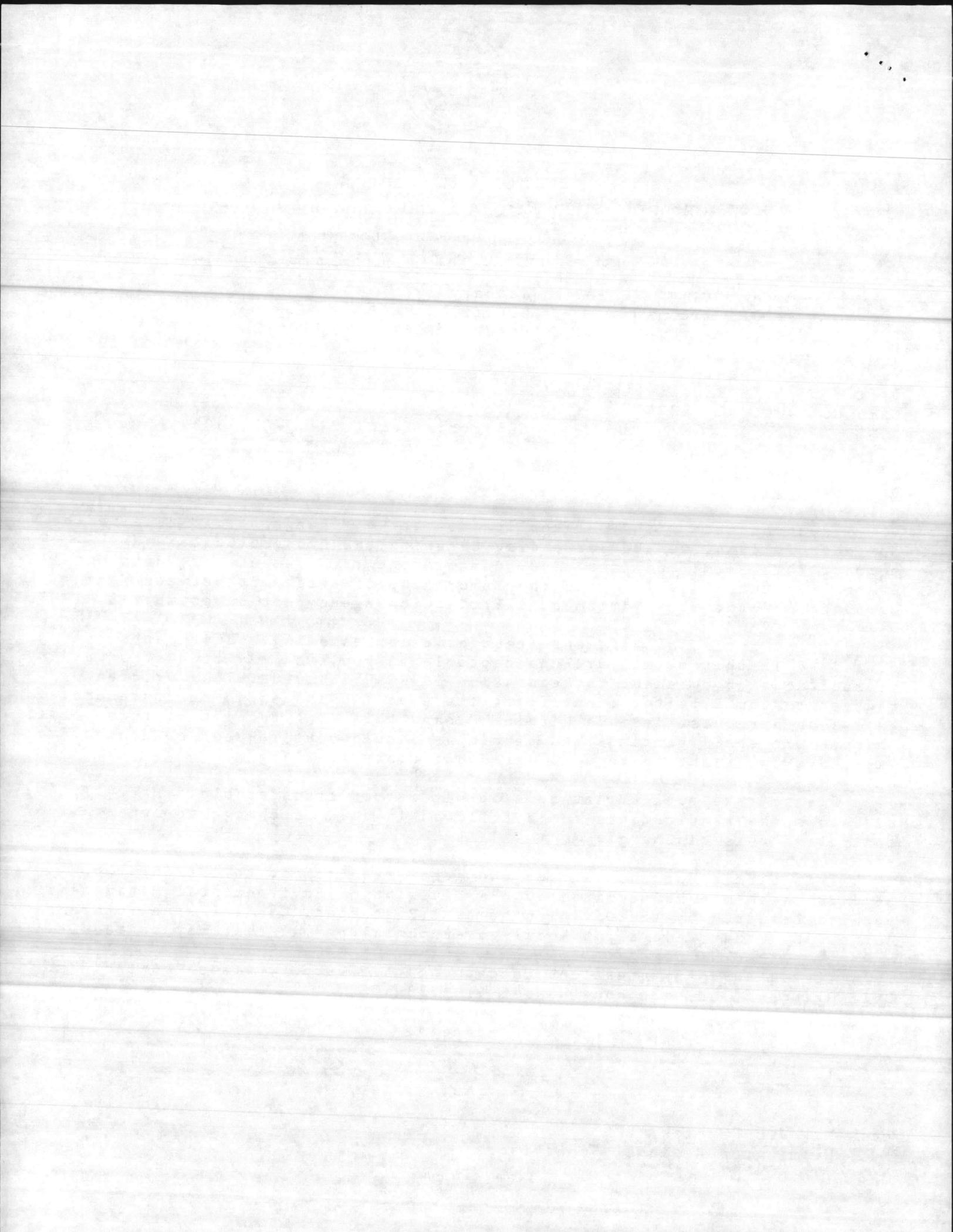
If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

*R. Paul Wilms*  
R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
Wilmington Regional Supervisor

Pollution Prevention Pays



STATE OF NORTH CAROLINA  
DEPARTMENT OF NATURAL RESOURCES & COMMUNITY DEVELOPMENT  
DIVISION OF ENVIRONMENTAL MANAGEMENT

P E R M I T

To Discharge Wastewater Under The  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM

In compliance with the provisions of North Carolina General Statute 143-215.1, other lawful standards and regulations promulgated and adopted by the North Carolina Environmental Management Commission, and the Federal Water Pollution Control Act, as amended,

US Marine Corps Base

is hereby authorized to discharge wastewater from a facility located at

Camp LeJeune

~~\_\_\_\_\_~~  
Onslow County

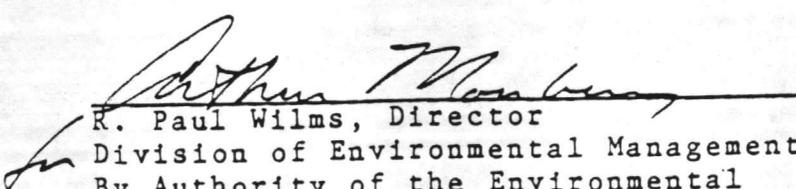
to receiving waters designated as the New River in the White Oak River Basin

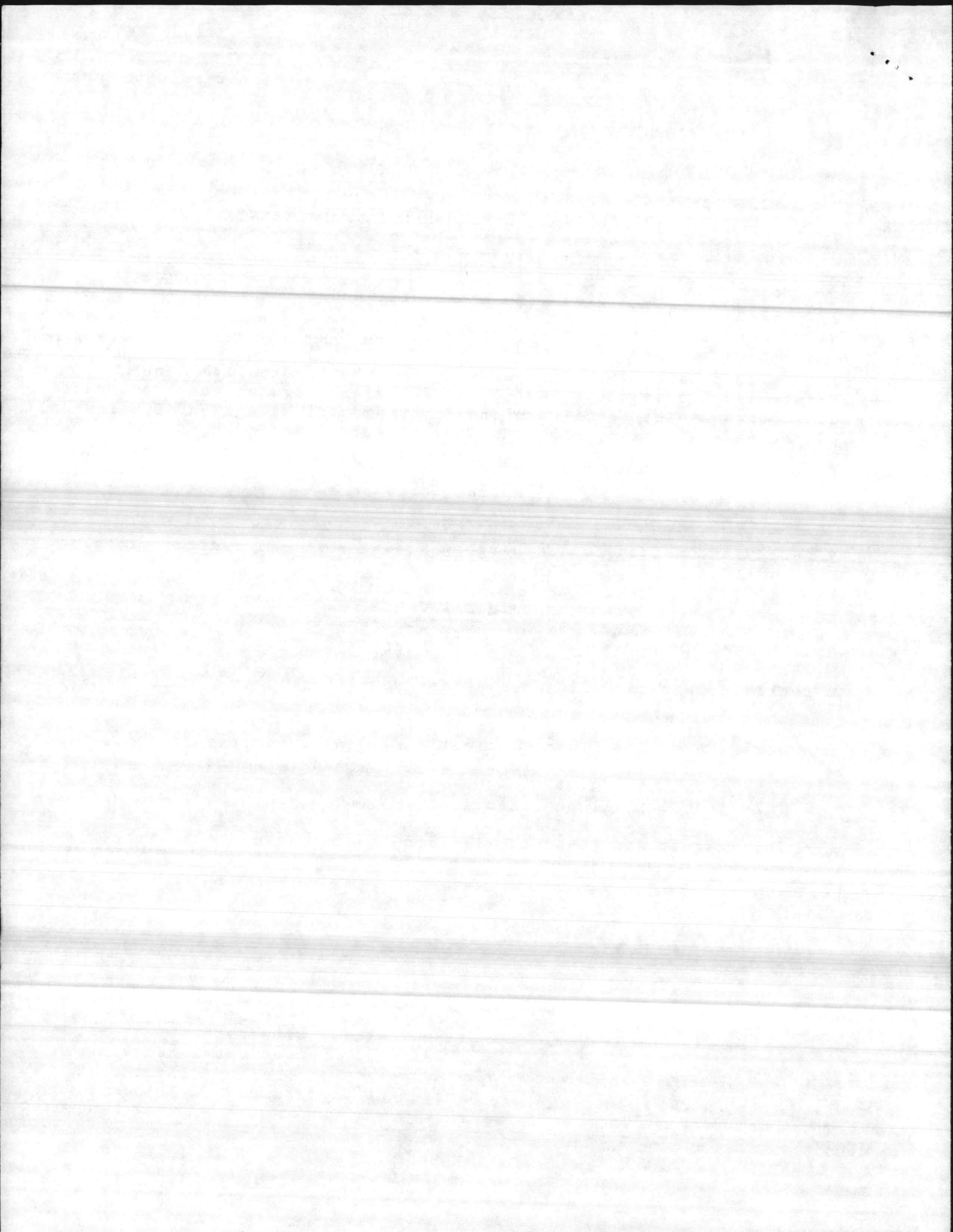
in accordance with effluent limitations, monitoring requirements, and other conditions set forth in Parts I, II, and III hereof.

This permit shall be effective February 1, 1987

This permit and the authorization to discharge shall expire at midnight on January 31, 1992

Signed this day of January 30, 1987

  
R. Paul Wilms, Director  
Division of Environmental Management  
By Authority of the Environmental  
Management Commission

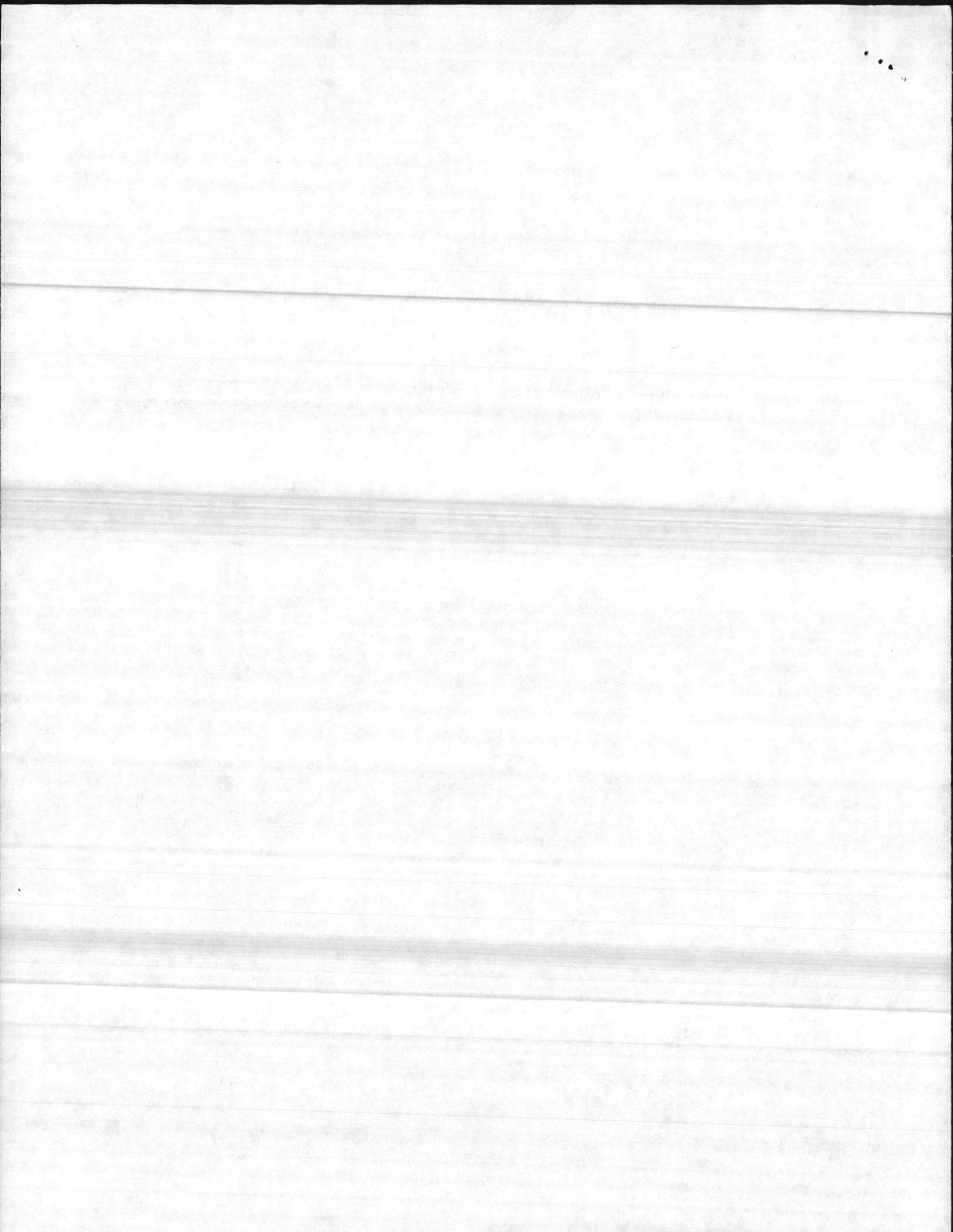


SUPPLEMENT TO PERMIT COVER SHEET

US Marine Corps Base  
Camp LeJeune

is hereby authorized to:

1. Continue to operate a ~~1.5 MGD trickling filter type~~  
~~activated sludge plant located at Camp LeJeune Range Sewage~~  
Treatment Plant in Onslow County. (See Part III,  
condition No. B. of this permit), and
2. Discharge from said treatment works into the New River  
which is classified Class "SC" waters in the White Oak  
River Basin.



A. (1). EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS Final

**RIFLE RANGE**

During the period beginning on the effective date of the Permit and lasting until expiration, the permittee is authorized to discharge from outfall(s) serial number(s) 001. Such discharges shall be limited and monitored by the permittee as specified below:

<u>Effluent Characteristics</u>	<u>Discharge Limitations</u>		<u>Monitoring Requirements</u>				
	<u>Kg/day (lbs/day)</u> <u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Other Units (Specify)</u> <u>Monthly Avg.</u>	<u>Weekly Avg.</u>	<u>Measurement Frequency</u>	<u>Sample Type</u>	<u>* Sample Location</u>
Flow			0.525 MGD		Continuous	Recording	I or E
BOD, 5Day, 20°C			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
Total Suspended Residue			30.0 mg/l	45.0 mg/l	2/Month	Composite	E
NH <sub>3</sub> as N					2/Month	Composite	E
Dissolved Oxygen (minimum)			5.0 mg/l	5.0 mg/l	Weekly	Grab	E
Fecal Coliform (geometric mean)			14.0/100 ml	28.0/100 ml	2/Month	Grab	E
Residual Chlorine					Daily	Grab	E
Temperature					Weekly	Grab	E
Total Nitrogen (NO <sub>2</sub> + NO <sub>3</sub> + TKN)					Quarterly	Composite	E
Total Phosphorus					Quarterly	Composite	E
Oil and Grease			30.0 mg/l	60.0 mg/l**	2/Month	Grab	E

\*Sample locations: E - Effluent, I - Influent

\*\*Daily Maximum Limit

The pH shall not be less than 6.0 standard units nor greater than 8.5 standard units and shall be monitored 2/Month at the effluent by grab sample.

There shall be no discharge of floating solids or visible foam in other than trace amounts.





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State of North Carolina  
Department of Natural Resources and Community Development  
Division of Environmental Management  
512 North Salisbury Street • Raleigh, North Carolina 27611

James G. Martin, Governor  
S. Thomas Rhodes, Secretary

January 30, 1987  
CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

R. Paul Wilms  
Director

Commanding General  
Marine Corps Base  
Office of AC/S Facilities  
Camp Lejeune, NC 28542

Subject: Permit No. NC0063053  
[REDACTED]  
Onslow County

Dear Sir:

In accordance with your application for discharge permit received on November 9, 1984, we are forwarding herewith the subject State - NPDES permit. This permit is issued pursuant to the requirements of North Carolina General Statute 143-215.1 and the Memorandum of Agreement between North Carolina and the US Environmental Protection Agency dated December 6, 1983.

If any parts, measurement frequencies or sampling requirements contained in this permit are unacceptable to you, you may request a waiver or modification pursuant to Regulation 15 NCAC 2B .0508(b) by written request to the Director identifying the specific issues to be contended. Unless such request is made within 30 days following receipt of this permit, this permit shall be final and binding. Should your request be denied, you will have the right to request an adjudicatory hearing.

Please take notice that this permit is not transferable. Part II, B.2. addresses the requirements to be followed in case of change in ownership or control of this discharge.

This permit does not affect the legal requirement to obtain other permits which may be required by the Division of Environmental Management or permits required by the Division of Land Resources, Coastal Area Management Act or any other Federal or Local governmental permit that may be required.

If you have any questions concerning this permit, please contact Mr. Dale Overcash, at telephone number 919/733-5083.

Sincerely,

R. Paul Wilms

cc: Mr. Jim Patrick, EPA  
Wilmington Regional Supervisor

Pollution Prevention Pays

