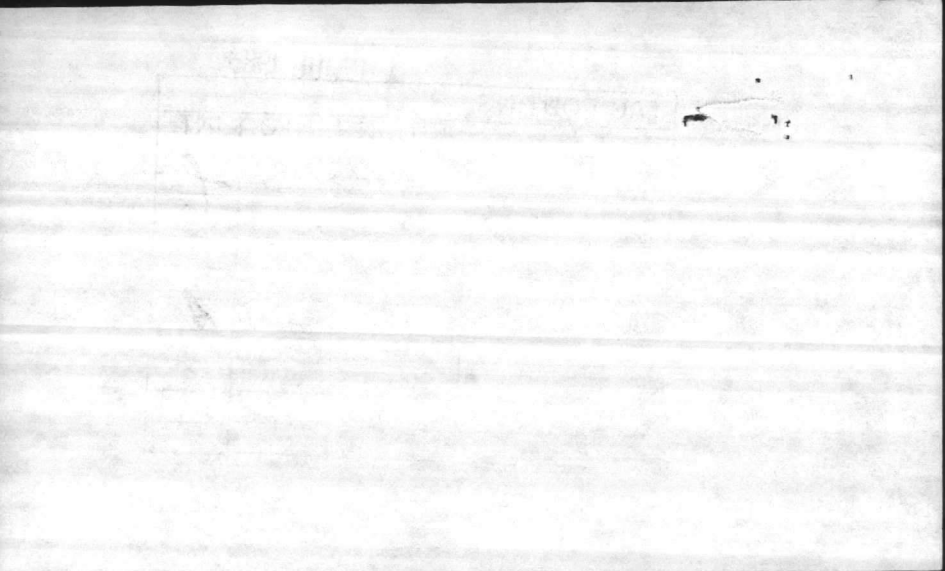


11 JUL 1983

FAC ROUTING

	ACTION	INFO	INT
FACO		X	♀
4A		X	
4B			
4C			
4D			
4E		X	A
4FC			
4LC			
SEC			
CLK			



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

7-19-83

Date

From: Director

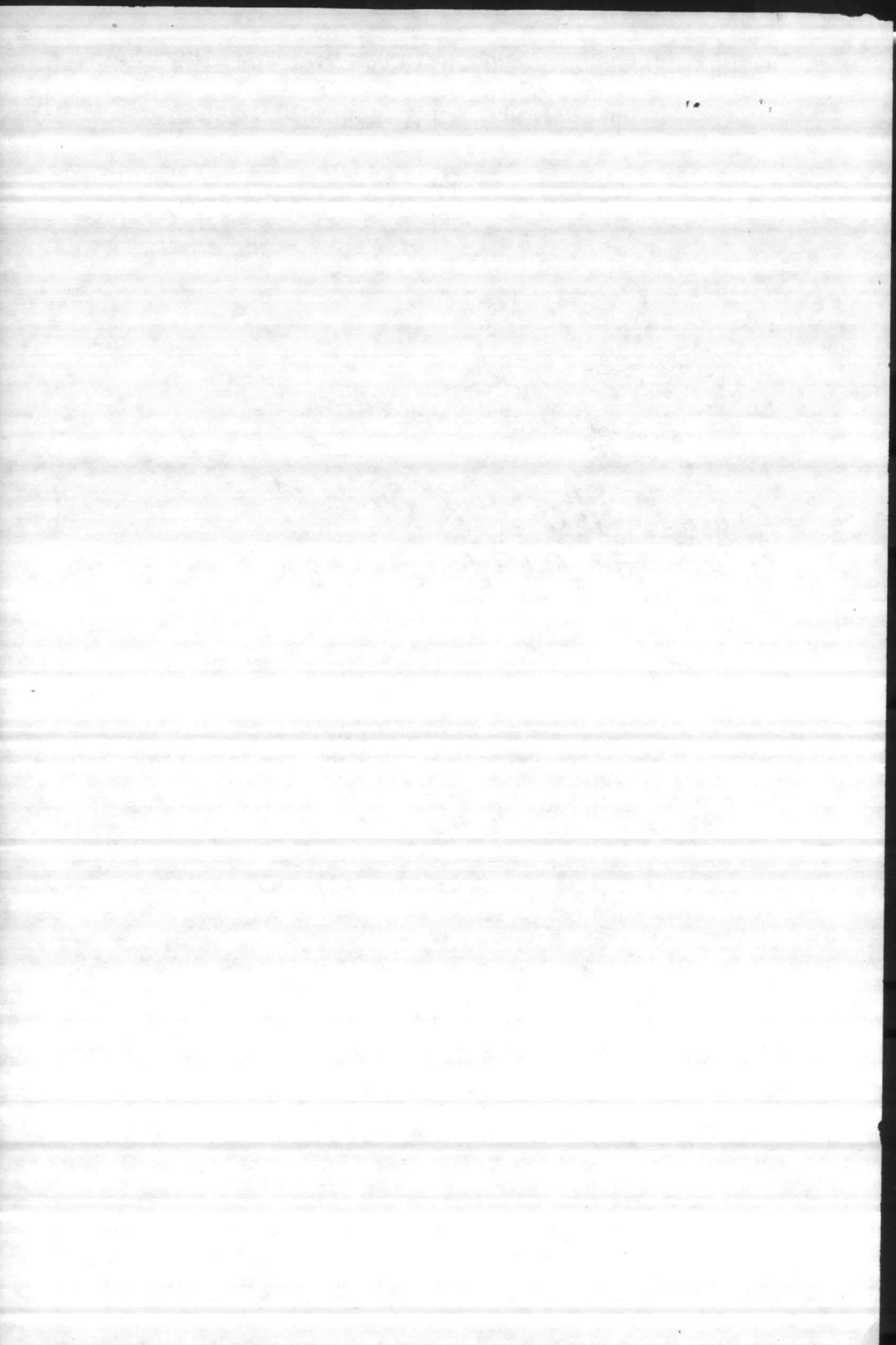
To: *Danny*

Subj: *Radioactive Waste*

1.

*What do we need to do
with attached.*

Johan



DDG

ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE 11 July 83

TO: NREAD

BASE MAINT O

DIR, FAMILY HOUSING

PUBLIC WORKS O

DIR, UNACCOMPANIED PERS HSG

COMM-ELECT O

BASE FIRE CHIEF

ATTN: Danny

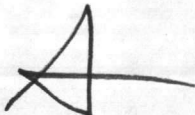
1. Attached is forwarded for info/action.

*Info on Rad. Waste Disp;
does LOG/Tmo need to*

- ~~2. Please initial, or comment, and return all papers to this office.~~

Know any of this?

3. Your file copy



"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"

11 July 83

INVERT

to a low water table
and the need to

low water table



STATE OF WASHINGTON
DEPARTMENT OF SOCIAL AND HEALTH SERVICES
Olympia, Washington 98504

June 29, 1983

TO: Site Use Permit Holders

FROM: E. Lee Gronemyer, Manager
Radioactive Waste Program

SUBJECT: WASHINGTON STATE RADIOACTIVE WASTE DISPOSAL

This is to update and reconfirm elements of our memorandum on the same subject dated April 28, 1982. Events during the year since that memo indicate some points may not have been made clear or may not have been understood as points of serious concern.

- Item: A telephone call made by a third party to arrange transportation of a generator's radioactive waste by a carrier does constitute "brokerage" and must be indicated by that third party's completing and signing Section B, For the Broker, of the certification form DSHS RHF-31.
- Item: It is the responsibility of any person acting as and assuming the responsibility of a broker to ascertain that each generator for whom he acts has a valid, current and unencumbered site use permit and that the permit is referenced by correct number and the proper name of the entity to whom issued.
- Item: To correct an omission in the referenced memo, the department is making a change in the certification requirement for a brokered shipment from multiple generators as outlined in that memo. It is sufficient that the single certification relative to one generator's share of a mixed shipment be completed by the generator in Section A and by the broker in Section B, provided the broker executes one additional form RHF-31 keyed to the others and completed by the broker and by the carrier.
- Item: There are only two ports of entry through which shipments of radioactive waste to the commercial low level waste disposal site at Richland may legally enter the state of Washington. One is near Plymouth, Washington on State Route 14, the other about 20 miles east of Spokane, Washington on I-90. These are closed on New Year's Day, Washington's Birthday, Memorial Day, Independence Day, Labor Day, Thanksgiving Day, and Christmas Day. In addition, the Plymouth station is closed daily between the hours of 5:30 a.m. and 8:30 a.m. Shipments of radioactive waste to the commercial low level waste disposal site at Richland may not enter the state during those closures.

Waste Site Use Permit Holders
June 29, 1983
Page Two

Item: The Washington Administrative Code (WAC) has been amended to read as follows:

WAC 440-44-060 Site Use Permit Fee

(1) The fees for a site use permit effective October 1, 1983 are:

One Time Shipment (see WAC 440-44-060(2))	\$50.00
Site Use Permit Continuous Service	\$80.00 per year

(2) One Time Shipment: A generator having radioactive waste for disposal for one time only can obtain a site use permit for such a shipment. This permit terminates upon receipt of the shipment for disposal and cannot be reissued to a generator.

(3) A broker who takes possession of waste from a generator and assumes responsibility for that waste must also assume responsibility for assuring the generator has a current unencumbered site use permit.

Generally, the response to the referenced memorandum has been gratifying. We encourage the continued attention to detail that results in clean, trouble free operations in not only radiation related aspects but also the paper work and hardware aspects of radioactive waste disposal.

LG:sm



State of Washington
John Spellman, Governor
DEPARTMENT OF SOCIAL AND HEALTH SERVICES
Olympia, WA 98504

LF-13



840131

1443

ATTN- J T MARSHALL

COLONEL

U. S. MARINE CORPS
FACILITIES/ASST. CHIEF OF
STAFF, MARINE CORPS BASE
CAMP LEJEUNE NC 28542



TA

HEADQUARTERS, MARINE CORPS BASE, CAMP LEJEUNE

ACTION BRIEF

Date:

Staff Section: Base Maintenance Department

Subj: Resource Conservation and Recovery Act; requirements of

Ref: (a) MCBul 6280 of 1 May 1980
(b) FONECON btwn Mr. Paul Hubbell, HQMC, and Mr. Danny Sharpe, BMaintDept, on 8 Aug 1980

Encl: (1) EPA Notification of Hazardous Waste Activity Package

Problem:

Reference (a) directed Marine Corps Base to prepare enclosure (1) and forward to Region IV, EPA, via LANTDIV by 18 August 1980. Problems associated with determination of respective responsibilities of Marine Corps Air Station (H) and Marine Corps Base have delayed execution of enclosure (1). Both LANTDIV and HQMC representatives have been kept informed of this situation. Base was advised during reference (b) to mail enclosure (1) directly to Region IV, EPA.

Background/Discussion:

Various functions of Base, Tenant Commands and Marine Corps Air Station (H) generate wastes regulated by the subject Act. Transporting wastes aboard base is not subject to the Resource Conservation and Recovery Act except when public highways are used. Since the time required to develop, advertise and execute contracts with waste disposal firms exceed the 90-day limitation of the subject Act, at least one long-term storage facility will be required. Marine Corps Air Station (H) has registered as a generator and transporter for wastes generated by Marine Corps Air Station (H). Enclosure (1) is a draft of EPA Form 8700-12 satisfying the notification requirements of the subject Act and reference (a) for generation, transportation and storage of hazardous wastes.

Recommended Action:

It is recommended that enclosure (1) be signed and mailed to EPA not later than 18 August 1980.

Respectfully,

B. W. ELSTON
Base Maintenance Officer
Acting

File

11/1

UNITED STATES DEPARTMENT OF JUSTICE

SECTION 87(2)(b)

Section 87(2)(b) - Information withheld under the Freedom of Information Act

Section 87(2)(b) - Information withheld under the Freedom of Information Act

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Section 87(2)(b) - Information withheld under the Freedom of Information Act

Section 87(2)(b)

Section 87(2)(b) - Information withheld under the Freedom of Information Act

Section 87(2)(b)

Section 87(2)(b)

Section 87(2)(b)

OFFICE OF THE STAFF JUDGE ADVOCATE
Marine Corps Base
Camp Lejeune, North Carolina 28542

SJA/NTR/jms
6240
14 Aug 1980

MEMORANDUM

From: Staff Judge Advocate
To: Base Maintenance Officer

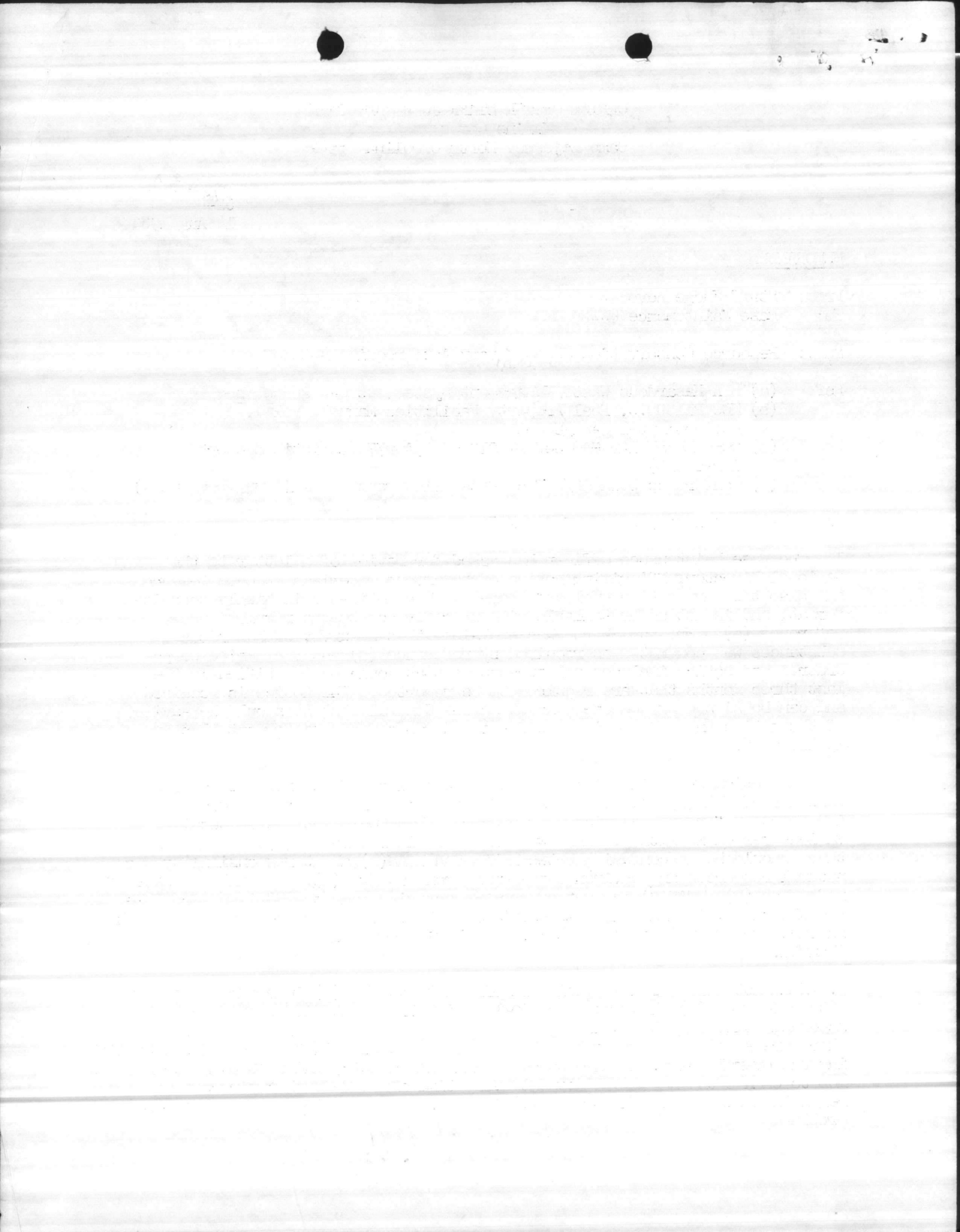
Subj: Resource Conservation and Recovery Act; requirements of

Ref: (a) EPA Hazardous Waste Management System, 40 CFR 260 et seq
(b) MCO P11000.8, Real Property Facilities Manual, Vol V,
Environmental Management
(c) COMCABEAST ltr MAO-eef 11,010 of 29Apr77 (Logistic Support
Agreement)
(d) Conference btwn AC/S, Fac, Base Maint reps and Maj ROUNTREE (OSJA)

Encl: (1) SJA Memo 5800 of 17 Sep 1979

1. The Base Maintenance Officer has asked for review of a letter to the Regional Director, EPA giving notice of hazardous materials at Camp Lejeune and also the form notice enclosed thereto. The notice is in highly technical format, and is not understandable without reference to the regulations, reference (a). Mr. Dan Sharpe has explained that a survey of hazardous substances was conducted as required by reference (a) and the Marine Corps Order. The notice includes all substances that could be identified in the last three months that are required to be reported. The notice is required and can be signed by someone other than the General, but he should be advised of the notice and the requirement for a Hazardous Waste Management Plan by 19 November.
2. The action brief identifies a problem with identifying respective responsibilities of MCAS(H) and MCB. I am informed a modification to the Support Agreement, reference (c), is being prepared that would set out in detail various responsibilities. This was discussed in reference (d). In my opinion, there should be no confusion between MCB and MCAS(H) about responsibility for natural resources and environmental management at MCAS(H). For all purposes of reference (b), MCAS(H) is part of the MCB activity, and the CG is responsible for the plans, programs and implementation thereof. The present wording of the Support Agreement is consistent with the Marine Corps Order and should not be changed.
3. I am not aware of any special requirements at MCAS(H) in regard to compliance with reference (a) that would require special treatment different from that accorded other tenants at MCB subject to the environmental regulations. If there are special requirements, they can be dealt with in the MCB order establishing the overall plan. I am opposed to allowing MCAS(H) and COMCABEAST to require MCB to change the Support Agreement every time a new federal environmental regulation comes out. Enclosure (1) is a prior SJA opinion on the same general problem.

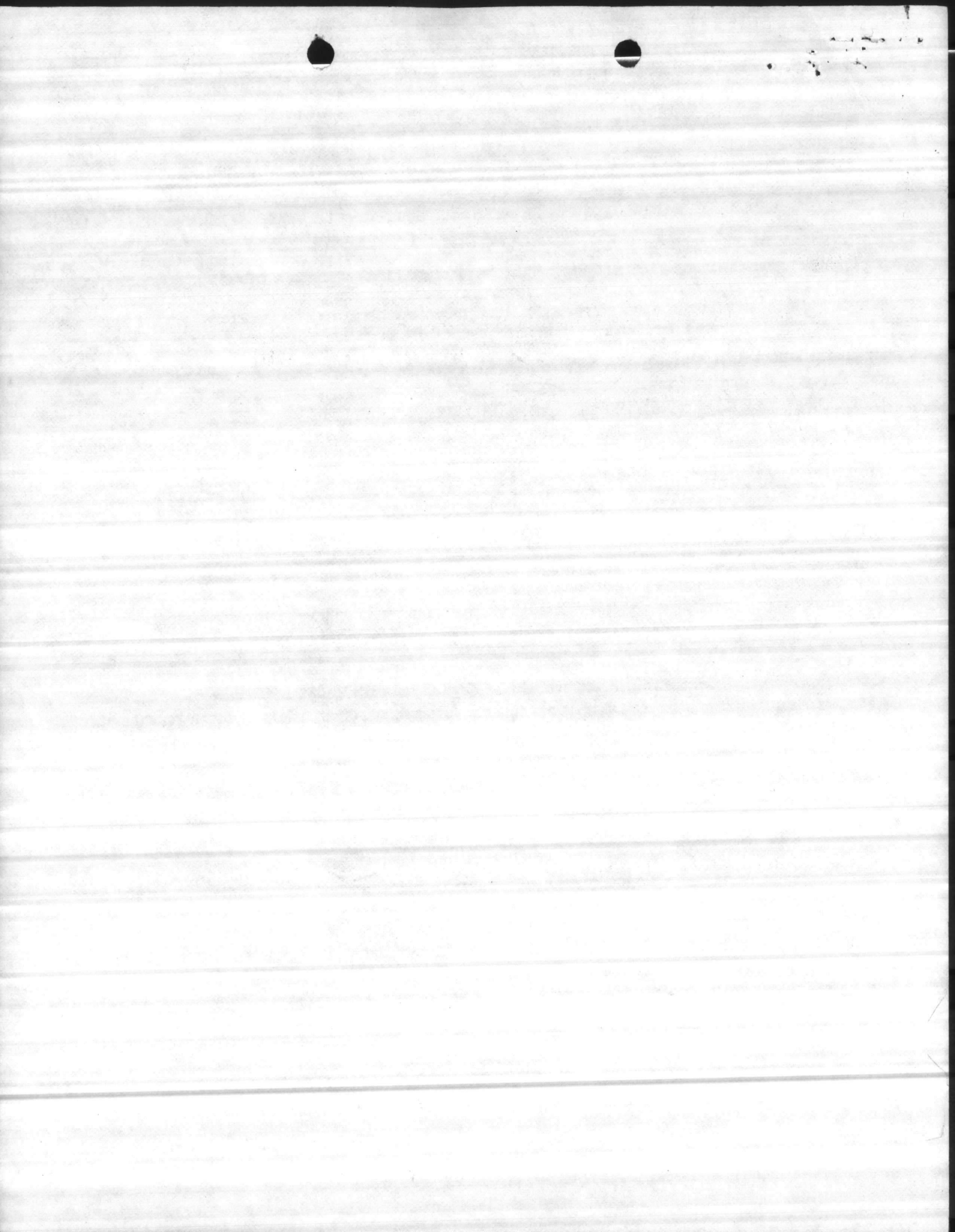

DAVID J. CASSADY



5. The nature of the questions in reference (b) raises a broad issue of command relationships in implementation of the Marine Corps environmental policies and directives. In my opinion, the CG, MCB, Camp Lejeune, is responsible for management of natural resources and environmental affairs for Camp Lejeune and New River. See paragraph 1004.1 and Appendix C of reference (c). The Commanding General must initiate appropriate action and implement a program. See paragraphs 2001 and 2005.1a of reference (c). Chapter 3, Part A of reference (c) deals with pollution abatement. No specifics are given in Chapter 3 of the reference concerning command relationships between commands grouped together as an activity in Appendix C or between host and tenant commands. Therefore, the general responsibility of the Commanding General to initiate action and to implement a program governs the particulars of pollution abatement. Paragraphs 3013 and 3014 of reference (c) require no more than compliance with the mandates of federal statutes and regulations. - The requirements for a Spill Prevention Control and Countermeasure Plan and oil pollution prevention are the subjects of reference (e) and the proposed bulletin. The implementation of these pollution abatement measures is not discretionary with the Commanding General; they are mandatory. This type of responsibility cuts across normal command relationship. This is not unusual nor undesirable. Since the responsibility lies with the Commanding General, he has the power to do everything that is necessary and proper to carry out the responsibility, including the authority to promulgate regulations and issue orders for compliance, if necessary. The Commanding General may delegate his responsibility, but the operational chain of command does not derogate his responsibility or limit his authority to act. The Commanding General and his environmental staff is the responsible agency through which HJMC obtains compliance with the environmental laws by all tenants at Camp Lejeune and New River. The Commanding General need not obtain concurrence in his actions pursuant to his responsibility under reference (c) in order for them to be effective at New River. To the extent concurrence has been obtained in the past, it has been a matter of good staff planning and command courtesy.

6. You should not allow the nonconcurrence of the CO, MCAS(H), New River to deter you from taking whatever action is necessary and proper to carry out the responsibilities delegated to you. This matter should be brought to the attention of the CG for resolution.

J. R. MOTILEWSKI



OFFICE OF THE STAFF JUDGE ADVOCATE
Marine Corps Base
Camp Lejeune, North Carolina 28542

SJA/NIR/jms
5800
17 Sep 1979

m
NIR

MEMORANDUM

From: Staff Judge Advocate
To: Base Maintenance Officer

Subj: Proposed Base Bulletin 11090 (Subj: Oil Pollution Abatement)

Ref: (a) BMD ltr MAIN/EWE/ab dtd 14 Aug 1979
(b) CO MCAS(H) ltr 205/HCE/mc 5000/2 of 6 Aug 1979
(c) MCO P11000.8A (Real Property Facilities Manual, Vol V,
Environmental Management)
(d) Logistic Support Services Agreement for Camp Lejeune/
MCAS(H) New River (1977)
(e) EO 11090.1A

1. Reference (a) requested my opinion and comments on questions raised in reference (b). In reference (b), the CO, MCAS(H), New River failed to concur in the subject bulletin. The following questions were raised.

a. Whether the CO, MCAS(H), New River is required to monitor and report findings on water quality in storm drains at New River?

b. Whether the bulletin should be reworded to state the CO, MCAS(H), New River could be subjected to civil and criminal action for pollution of New River?

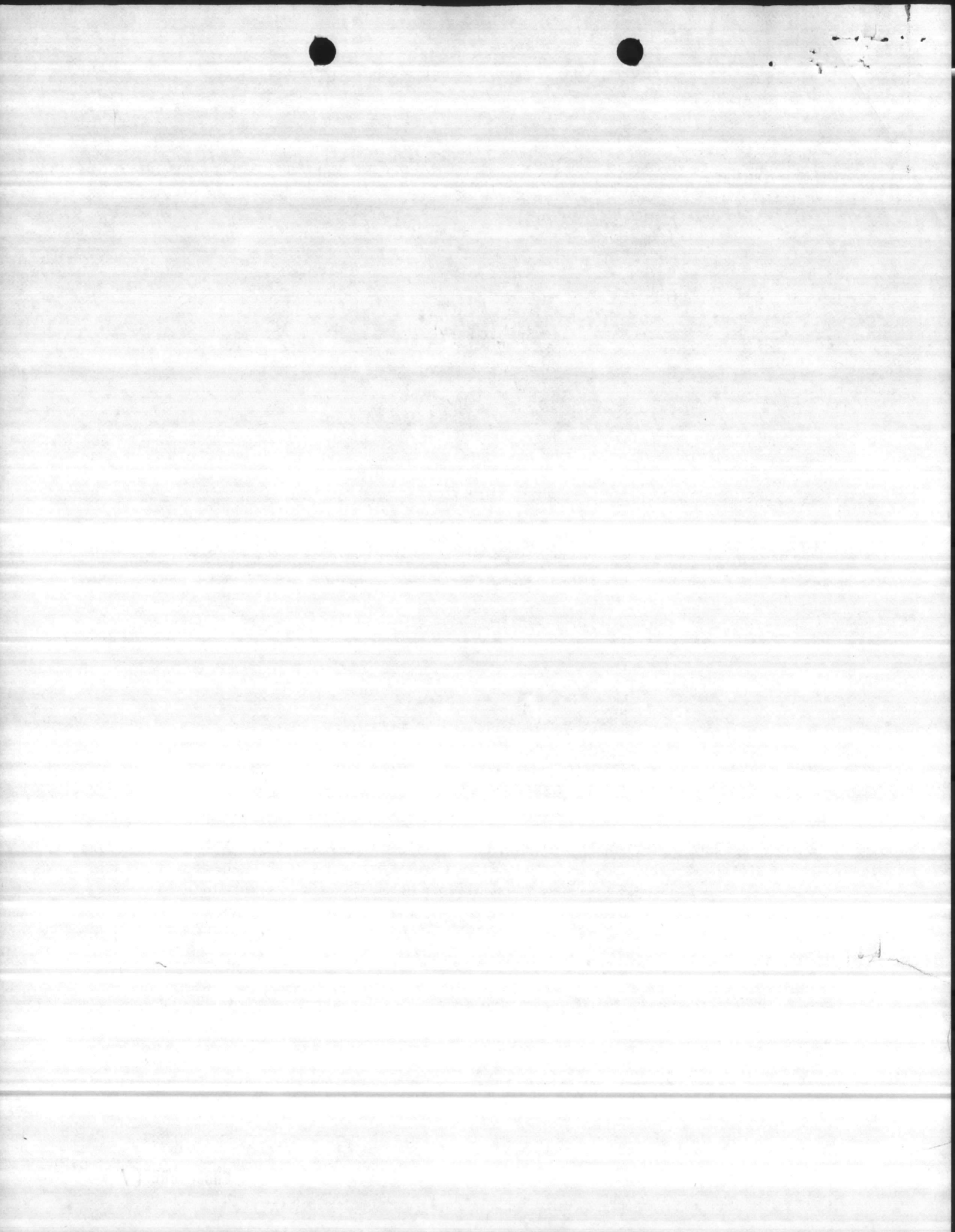
c. And, whether concurrence to the subject bulletin should be obtained from the CG, 2dMAW in order to make the bulletin applicable to the tenant 2d MAW commands at New River.

2. The answer to question 1a above is no, the CO, MCAS(H), New River is not required to monitor and report on water quality in storm drains. Pursuant to references (c), (d) and (e), CG, MCB, through his environmental staff, formulates and executes plans, monitors water purity, and makes necessary reports. The CO MCAS(H), New River, through his environmental affairs officer, maintains liaison and assists.

3. In response to question 1b, no rewording is necessary. The proposed bulletin already makes it quite clear that all commanding officers may be subjected to civil and criminal penalties if they fail to comply with the environmental laws. Failure to report as required is an example of inaction that could cause liability.

4. In answer to the question in 1c above, concurrence of the CG, 2dMAW is not required in order to make the proposed bulletin applicable to tenant commands at New River.

ENCLOSURE (/)



ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE 11-14-80

TO:

[BASE MAINT O]

PUBLIC WORKS O

COMM-ELECT O

MOTOR TRANSPORT O

ATTN: _____

DIR, QUARTERS & HOUSING

DIR, BOQ/BSQ

BASE FIRE CHIEF

① Attached is forwarded for ~~info~~/action.

a. Copy has been sent to SJA for comment.

b. The CG has requested a brief on this which I will arrange after I receive SJA comments.

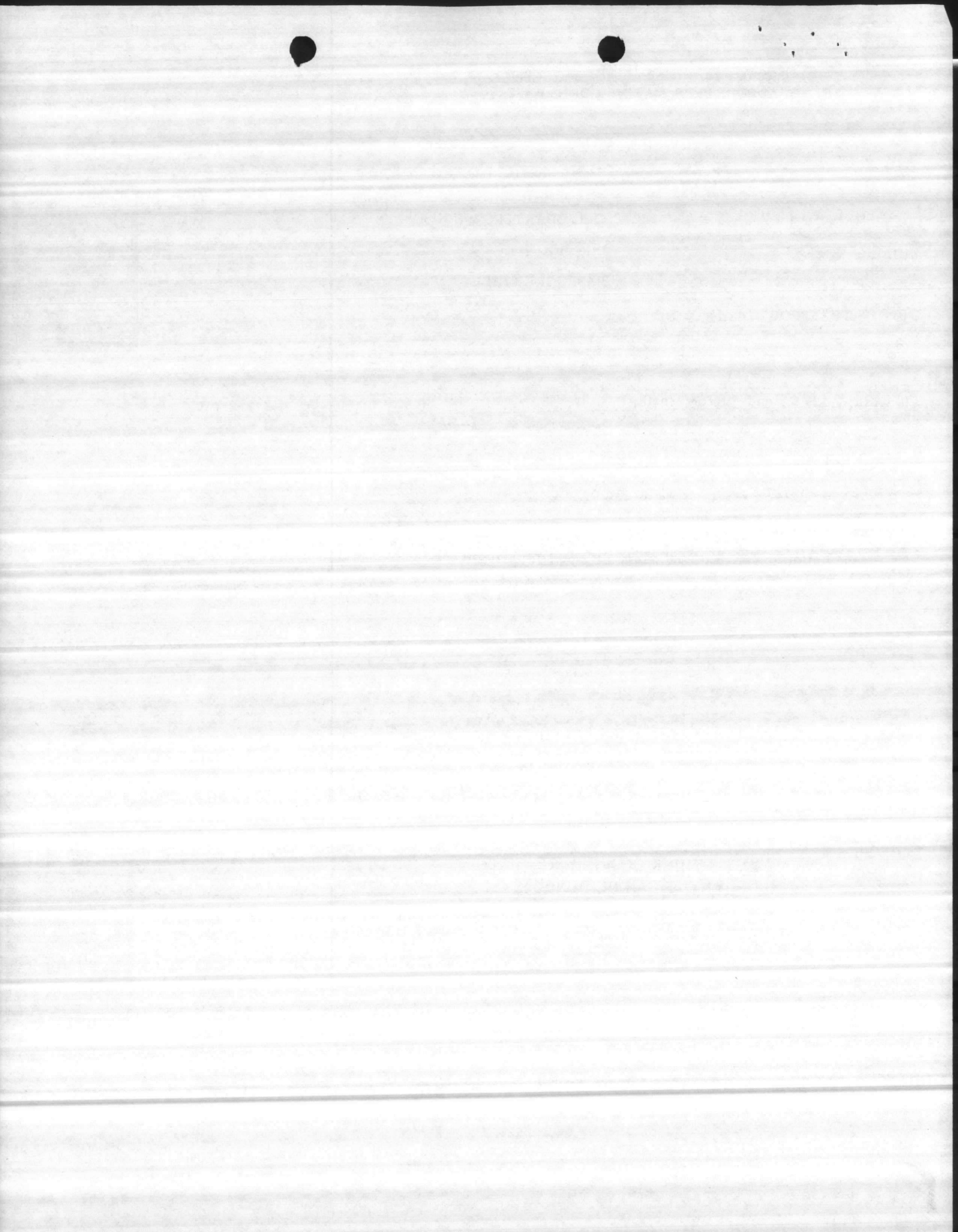
2. Please initial, or comment, and return all papers to this office.

3. Your file copy

K. P. Miller J.

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"

MCBCL 5216/21



HEADQUARTERS, MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA

Date 31 Dec 80

From: Assistant Chief of Staff Facilities

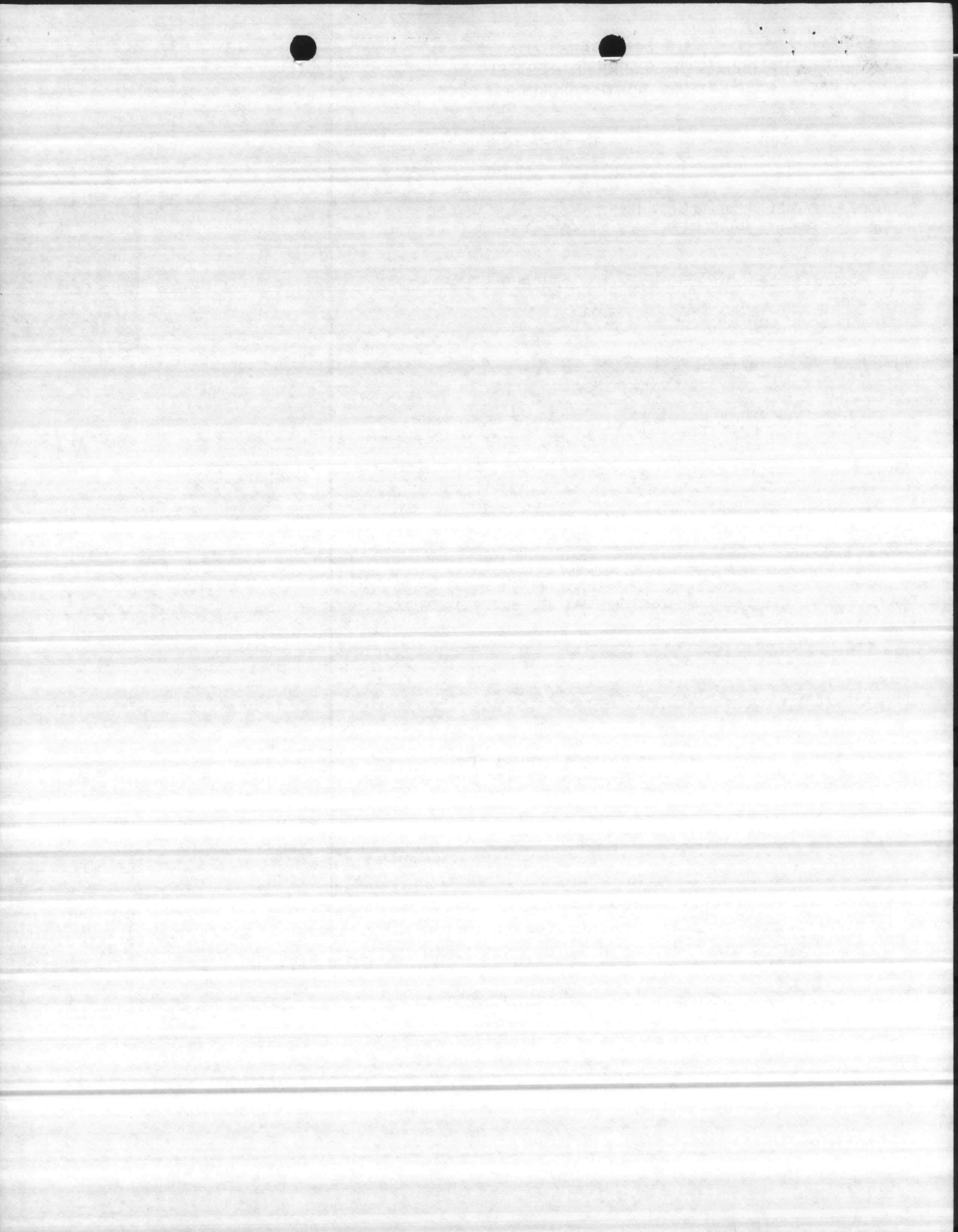
To: Base Maintenance Office

Subj: Support Agreement w/COMCABEAST; changes
to it pertains to HW.

1. Let's get the proposed changes
to the Support Agreement together
based on recent procedure changes
and our discussions with MCAFSC(H)
New River.
2. SJA says they will ~~not~~ ^{now} go along
with what we want to do based on
the 6 Nov 80 Ltr from HQMC.

K.P. Williams

MCBCL 5216/9





DEPARTMENT OF THE NAVY
HEADQUARTERS UNITED STATES MARINE CORPS
WASHINGTON, D.C. 20380

IN REPLY REFER TO

LFF-2:PCH:yum

6 NOV 1980

From: Commandant of the Marine Corps
To: Commanding General, Marine Corps Base,
Camp Lejeune NC 28586

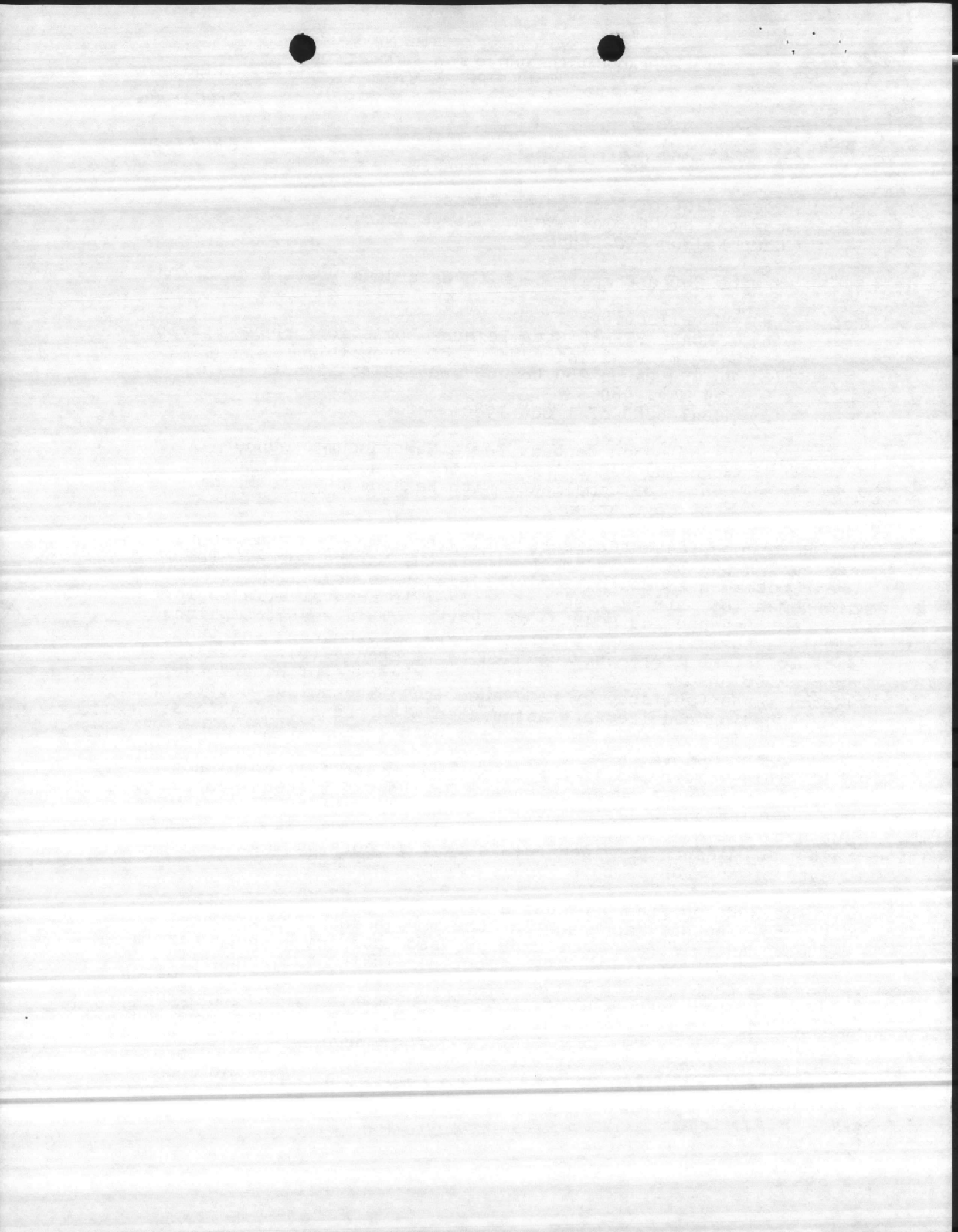
Subj: Marine Corps Compliance with Hazardous Waste Regulations

Ref: (a) MCO P11000.8A
(b) COMCABEAST/MCB Camp Lejeune Logistic Support Service
Agreement Revision No. 1 of March 1977
(c) 40 CFR Parts 260 to 265 and 122 to 124 of
19 May 1980
(d) MCBul 6280 of 1 Oct 1980

Encl: (1) Recommended Content for a Memorandum of Under-
standing Regarding Non-contiguous Activity Require-
ments for Compliance with Hazardous Waste Manage-
ment Regulations

1. Reference (a) establishes policy and implements a program for protection of the environment within the Marine Corps. The Order recommends designation of single responsibility for the management of natural resources and environmental affairs for MCB Camp Lejeune and MCAS(H) New River. This was accomplished within a Logistic Support Service Agreement between the two facilities, most recently updated by reference (b). A national program to ensure proper handling and disposal of hazardous wastes was established by reference (c). The unique notification and reporting requirements associated with these regulations create ambiguity regarding the responsibilities of MCB Camp Lejeune and MCAS(H) New River as set forth in references (a) and (b). This letter provides guidance to ensure full compliance with the Resource Conservation and Recovery Act (RCRA) implementing regulations while maintaining the MCB Camp Lejeune service support role to the maximum extent practicable. It is recommended that the guidance provided herein be incorporated into the next update of reference (b).

2. The RCRA program provides a cradle-to-grave (generation to ultimate disposal) approach for the management of hazardous wastes. Administrative procedures associated with these regulations include certain notification, permitting and annual reporting requirements which must be met within specific time frames by generators, transporters, storers, processors, and disposers of hazardous wastes. Normally, these requirements would be the responsibility of MCB Camp Lejeune. The implementing regulations require, however, that activities physically separated by public access roads, who generate hazardous wastes in excess of the



6 NOV 1980

Subj: Marine Corps Compliance with Hazardous Waste Regulations

quantities established in the implementing regulations, file separately a "Notification of Hazardous Waste Activity" form and comply with other administrative requirements, regardless of the internal management system established for handling hazardous wastes.

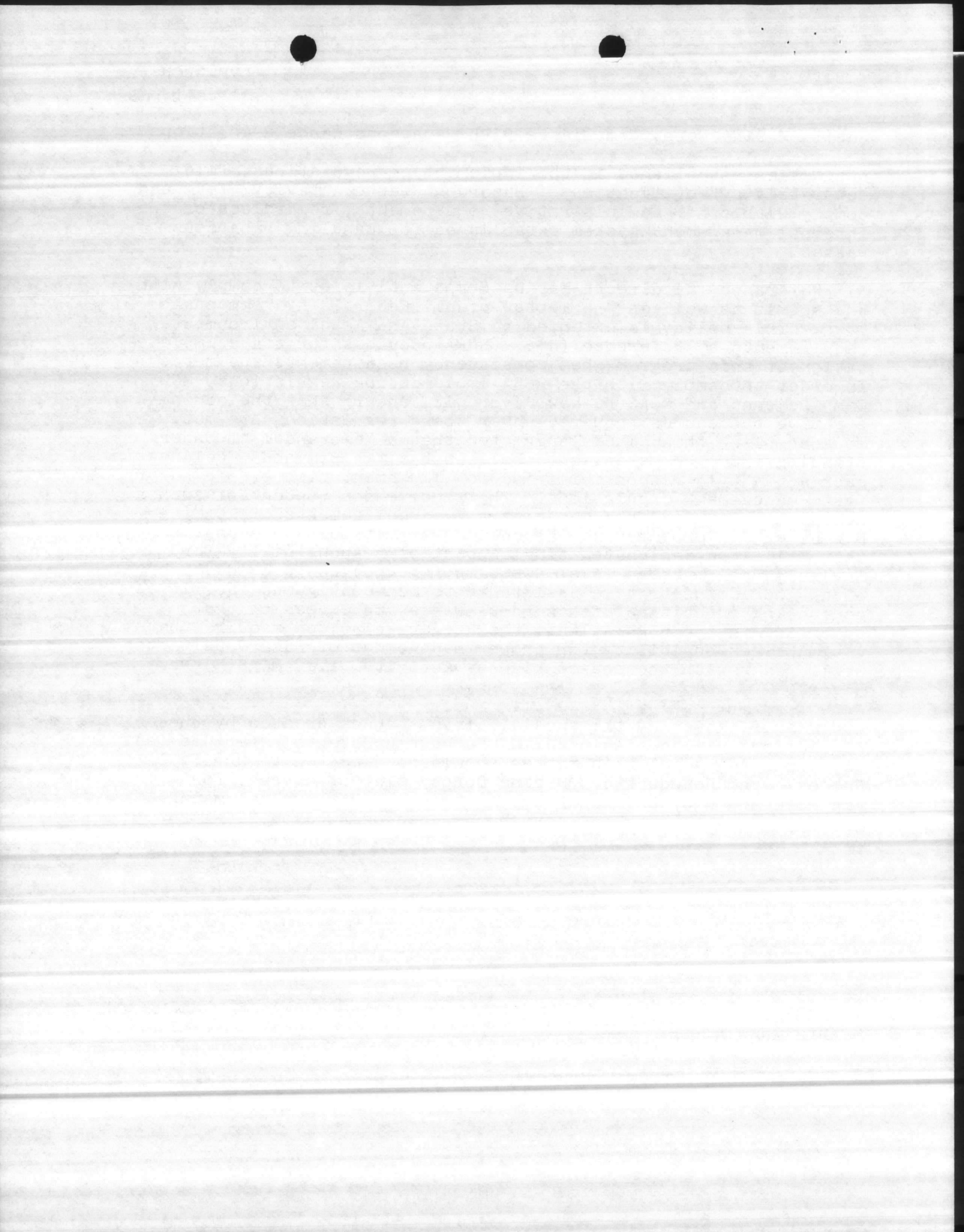
3. Reference (a) directs Marine Corps activities to comply with the spirit as well as the letter of all Federal environmental laws. This policy is extended to State and local environmental requirements by reference (d). (RCRA provides for state implementation of this program when consistency requirements are met). In order to comply with the RCRA implementing regulations, MCB Camp Lejeune and MCAS(H) New River will ensure that the administrative procedures required under these regulations are met. To accomplish this, it is suggested that a Memorandum of Understanding (MOU) be established between the two Commands, delineating each activity's responsibilities for implementation of the hazardous waste management regulations. The recommended content of such a MOU, that minimizes the administrative requirements of MCAS(H) New River, is provided as the enclosure. It must be emphasized that while the designated single point of responsibility for environmental matters (i.e. MCB Camp Lejeune) can provide technical and administrative assistance to non-contiguous facilities generating quantities of hazardous wastes in excess of that specified in the regulations, the RCRA regulations require that the ultimate responsibility for proper management of hazardous wastes still rests with the non-contiguous activity (i.e. MCAS(H) New River).

4. Clarification of the special circumstances created by these regulations will be included in the next update to reference (a). Questions regarding this matter should be directed to Mr. Paul Hubbell, the Headquarters Marine Corps point of contact for implementation of the hazardous materials environmental management program. Mr. Hubbell can be reached on Autovon 224-1425/2171.



Frank E. PETERSEN
By direction

Copy to:
COMCABEAST
MCAS(H) NEW RIVER



Recommended Content for a Memorandum of Understanding Regarding Non-contiguous Activity Requirements for Compliance with Hazardous Waste Management Regulations

MCB Camp Lejeune/MCAS(H) New River responsibilities in a support service agreement for compliance with RCRA implementing regulations should include the following:

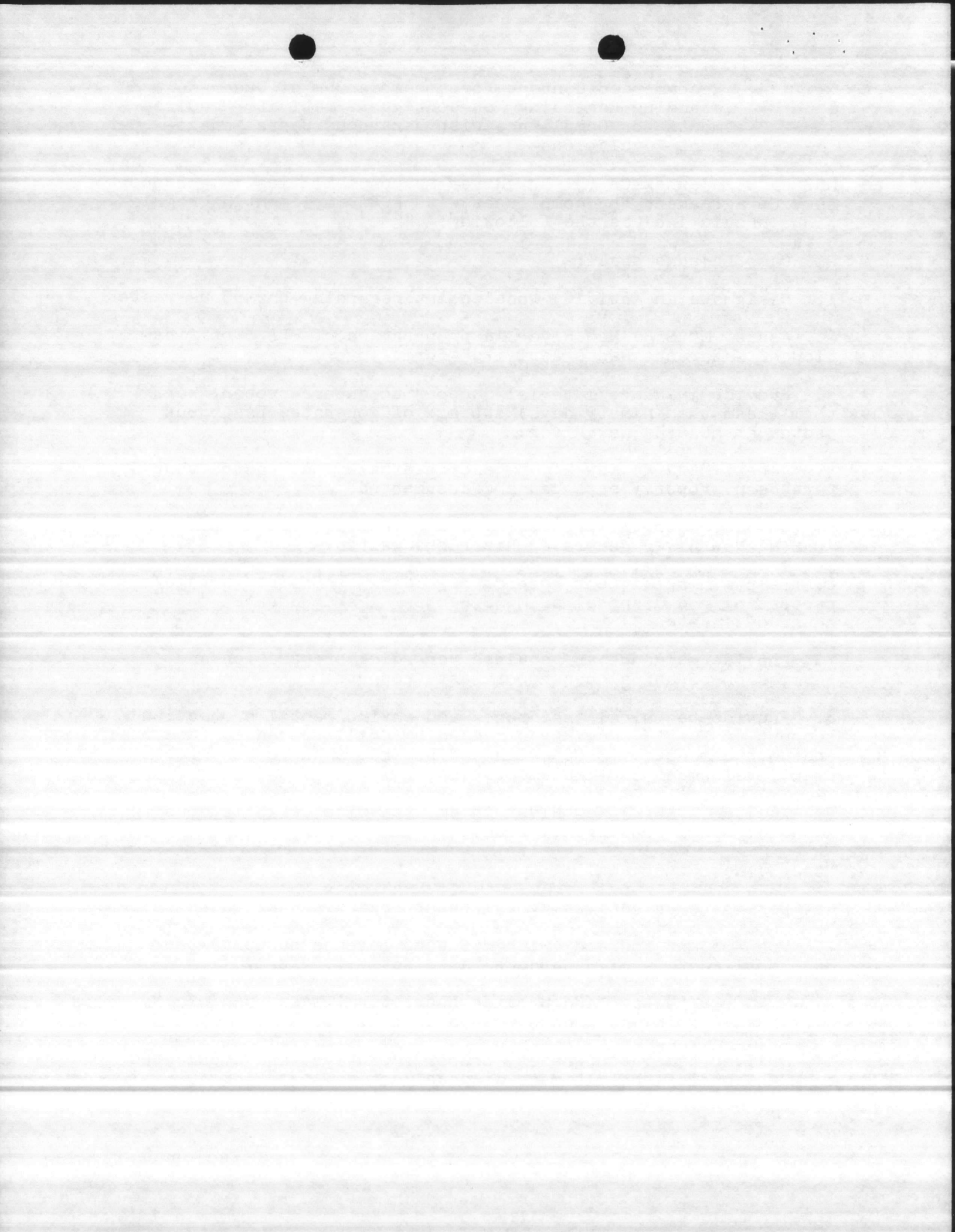
MCB Camp Lejeune shall:

- ✓ 1. Designate an activity focal point regarding hazardous wastes.
- done* ✓ 2. Assist MCAS(H) New River in preparation of EPA "Notification of Hazardous Waste Activity" form.
- ✓ 3. Provide guidance/material support to ensure proper short term (less than ninety days) storage of generated hazardous wastes at MCAS(H) New River.
- ✓ 4. Accept MCAS(H) New River generated hazardous wastes that have been properly packaged and documented.
- ✓ 5. Complete storage/processing/and disposal actions for MCAS(H) New River generated hazardous wastes.
- ✓ 6. Maintain sufficient records regarding transport/storage/processing/and disposal of MCAS(H) New River generated hazardous wastes.
- ✓ 7. Provide guidance as required regarding preparation and submission of annual hazardous waste reports.
- ✓ 8. Provide technical assistance and environmental protection support to MCAS(H) New River regarding Spill Prevention Control and Countermeasures (SPCC) Plan and Hazardous Waste Management Plan development and implementation.
- ✓ 9. Include MCAS(H) New River in an area-wide Oil/Hazardous Material spill contingency plan.

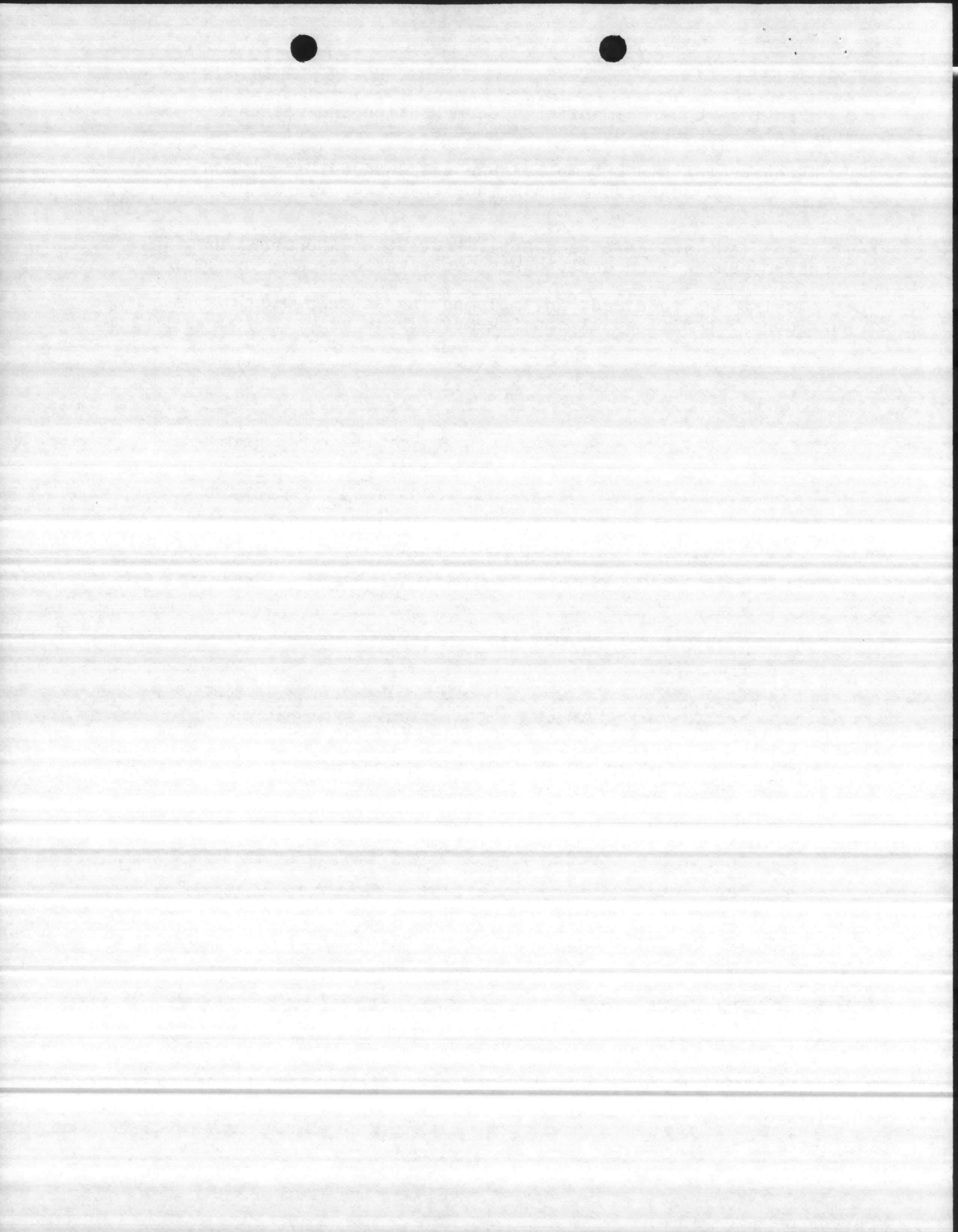
MCAS(H) New River shall:

- ✓ 1. Designate an activity focal point regarding hazardous wastes.
- done* ✓ 2. Prepare and forward (with MCB Camp Lejeune support) the EPA "Notification of Hazardous Waste Activity" form.
- ✓ 3. Properly package and provide short term (less than ninety days) storage for hazardous wastes generated.
- ✓ 4. Deliver hazardous wastes, properly packaged and documented, to MCB Camp Lejeune ultimate disposal action.

Enclosure (1)



- ✓ 5. Provide required manifest documentation and maintain appropriate records of such shipments.
- ✓ 6. Prepare (with MCB Camp Lejeune assistance), sign, and forward annual hazardous waste management reports required by EPA.
- ✓ 7. Implement and enforce a Spill Prevention, Control, and Countermeasures Plan and the Hazardous Waste Management Plan.
- ✓ 8. Assist, as required, in implementing an area-wide Oil/Hazardous Material spill contingency plan.



AGREEMENT BETWEEN MARINE CORPS BASE, CAMP LEJEUNE AND MARINE CORPS AIR STATION (H), NEW RIVER FOR
IMPLEMENTATION OF HAZARDOUS MATERIAL ENVIRONMENTAL MANAGEMENT PROGRAM

MARINE CORPS BASE WILL:

1. Designate an activity focal point regarding hazardous material and waste management and disposal.
2. Register with the Environmental Protection Agency and North Carolina (EPA & NC) as a long term storer and transporter of all hazardous wastes generated by MCAS(H), New River, which are subject to the Resource Conservation and Recovery Act (RCRA). Obtain all permits required by EPA and NC for storage of hazardous wastes.
3. Provide guidance/material support (including laboratory analytical assistance) to ensure proper short term (less than ninety days) storage, packaging and labeling of hazardous wastes.
4. Include MCAS(H), New River in an area-wide oil/hazardous material spill contingency plan. Furnish material support required and a basic level of personnel and equipment to handle routine spills. Make required reports to regulatory agencies and CMC.
5. Provide long term (more than ninety days) storage and final disposal of all hazardous wastes generated by MCAS(H), New River subject to RCRA, provided the wastes are properly packaged and documented. Maintain appropriate records of long term storage and disposal of hazardous wastes accepted from MCAS(H), New River and submit all related reports required of hazardous waste storers and transporters to EPA and NC. Provide technical assistance to MCAS(H), New River on record-keeping and reporting.

MARINE CORPS AIR STATION (H) WILL:

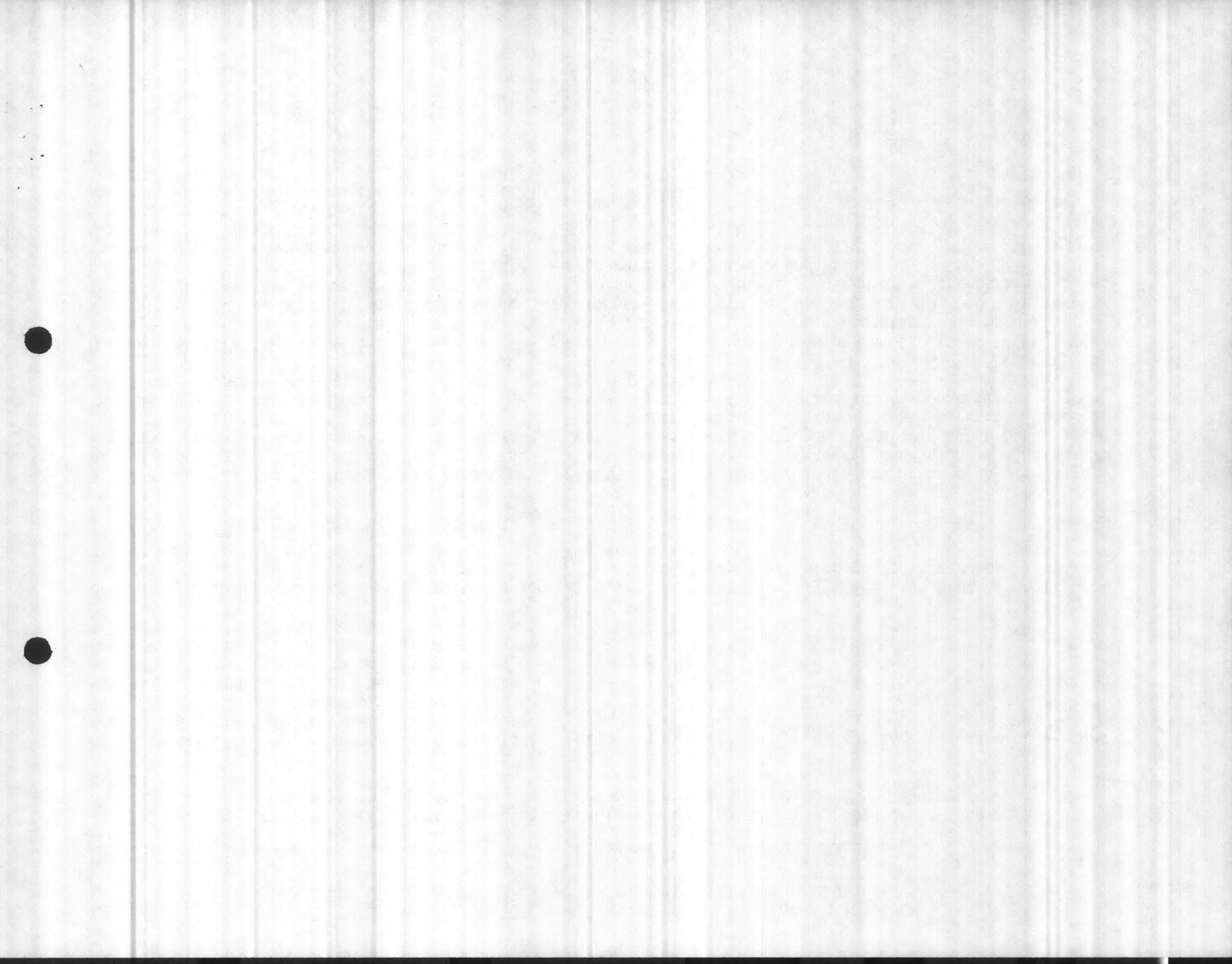
Designate an activity focal point regarding hazardous Material and waste management and disposal.

Register with EPA and NC as a hazardous waste generator.

Properly package, certify, label and provide short term (less than ninety days) storage for hazardous wastes generated.

Assist, as required, in implementing an area-wide oil/hazardous material spill contingency plan, including but not limited to furnishing manpower requested by on-scene coordinator for spill containment and cleanup. Conduct investigations of spills and submit appropriate reports thereof to base.

Prepare all documents required to transport and deliver wastes to long term storage and disposal. Maintain appropriate records of waste generation and shipments and submit all reports required of hazardous waste generators to the EPA and NC.



MARINE CORPS BASE WILL:

6. Provide technical assistance and environmental protection support to MCAS(H), New River regarding spill prevention control and countermeasure plan (SPCC) and hazardous material disposal.

(Signature)

(Date)

Commanding General
Marine Corps Base
Camp Lejeune, North Carolina 28542

MARINE CORPS AIR STATION (H), NEW RIVER WILL:

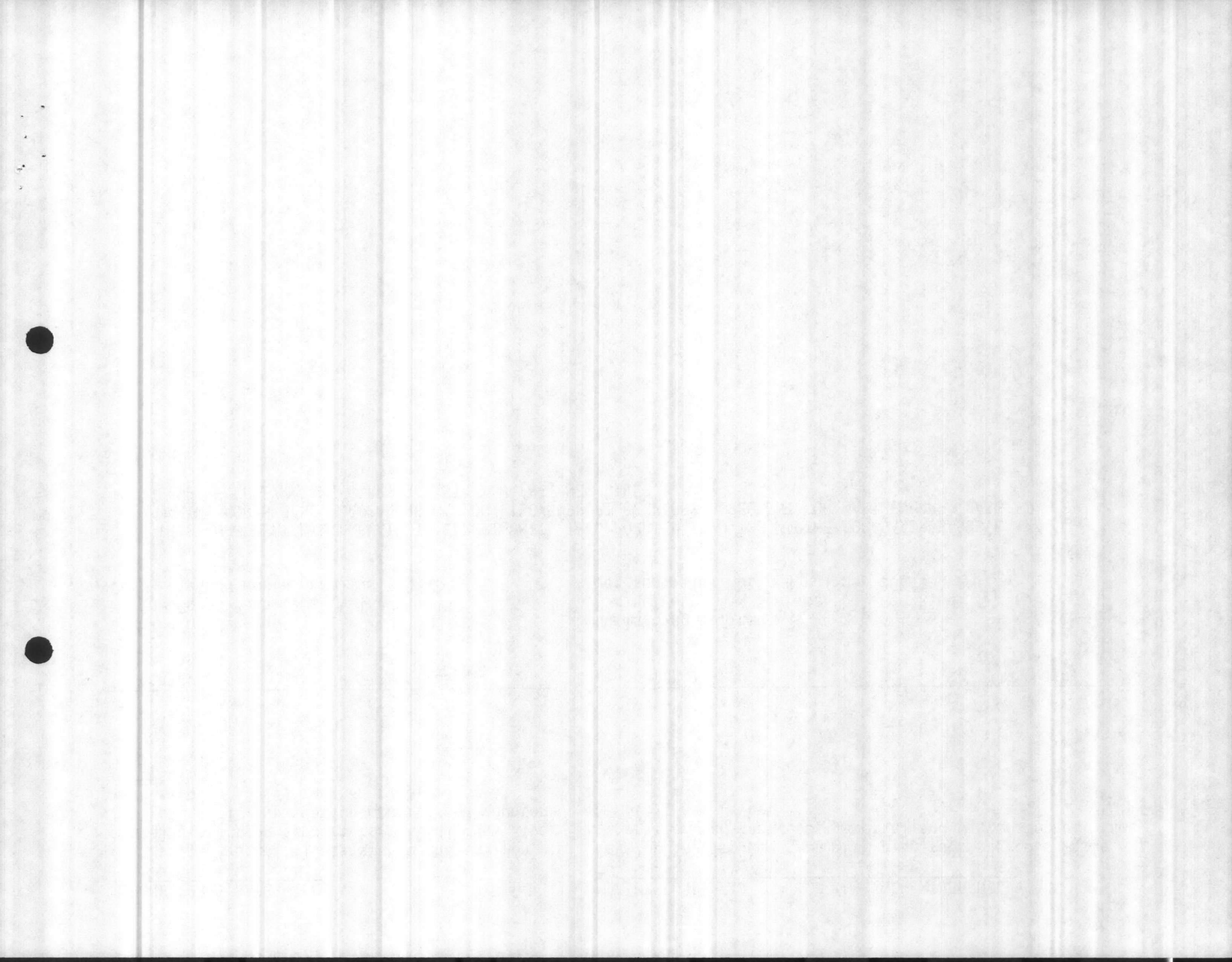
Develop and implement an SPCC plan for hazardous waste generation and hazardous material and waste storage sites MCAS(H), New River.

(Signature)

(Date)

Commanding Officer
Marine Corps Air Station (H), New River
Jacksonville, North Carolina 28540

THIS AGREEMENT WILL REMAIN IN EFFECT UNTIL INCORPORATED INTO THE MARINE CORPS AIR BASES EAST/
MARINE CORPS BASE, CAMP LEJEUNE LOGISTIC/SUPPORT SERVICES AGREEMENT FOR MARINE CORPS BASE
CAMP LEJEUNE/MARINE CORPS AIR STATION (H), NEW RIVER.



ROUTINE

* UNCLASSIFIED *

PT 00371 013/2226Z

1/FAC

PAGE 01



RTTJZYUW PULSS66025 0132223-UUUU--RUEBDOA.

ZNR UUUUU

RUCLECB T CG MCAS CHERRY PT MC

RUCLEVA T CG FOURTH MARDIV

RUEAHOF T COMNAVFACEMGCOM ALEXANDRIA VA

RUEHHHA T USNA ANNAPOLIS MD

RJHQHQA T CG FMFPAC

RULYLKA T COMCELANT NORFOLK VA

R 132103Z JAN 81

FM COMNAVSUPSYSCOM WASHINGTON DC

TO ALL CONUS NAVY SHIPPERS //INFO: CG MCB//

BT

UNCLAS //N04600//

SUBJ: AIR TRANSPORTATION OF HAZARDOUS MATERIAL SHIPMENTS

A. NAVSUP 102013Z DEC 80

1. REFERENCE A ADVISED OF FINES BEING LEVIED BY THE U.S. COAST GUARD AGAINST DOD PERSONNEL RESPONSIBLE FOR CERTIFICATION FOR SHIPMENT OF HAZARDOUS MATERIALS AND URGED COMPLIANCE WITH CFR 49 AND IMCO PUBLICATIONS, AS APPLICABLE.

2. THE FEDERAL AVIATION ADMINISTRATION (FAA) HAS RECENTLY NOTIFIED FORWARDERS, SHIPPERS, AND AIRLINES THAT THERE WILL BE MUCH STRICTER ENFORCEMENT IN THE FUTURE OF HAZARDOUS MATERIALS SHIPMENT REGULATIONS. THIS INCREASED EMPHASIS IS A RESULT OF A TRANSFER OF THE REGULATIONS FROM THE FLIGHT STANDARDS DIVISION TO THE SECURITY DIVISION WITHIN THE FAA. FAA SECURITY OFFICERS WILL ENFORCE THE REGULATIONS AT MAJOR AIRPORTS CONCENTRATING ON CARRIERS MOST HEAVILY INVOLVED IN SHIPMENT OF FREIGHT VICE PASSENGERS. IN ADDITION, FAA WILL PROPOSE REGULATIONS TO POLICE AIR FREIGHT FORWARDERS NOT PRE-

PAGE 02 PULSS66025 UNCLAS

SENTLY COVERED BY TRAINING AND REPORTING REQUIREMENTS, PROPOSE REGULATIONS COVERING FOREIGN CARRIERS TRANSPORTING HAZARDOUS MATERIALS TO THE U.S., AND WILL DIRECT MORE ATTENTION TO THOSE CARRIERS GRANTED EXEMPTIONS TO THE REGULATIONS, INSPECTING THEM AT LEAST QUARTERLY. FAA ALSO PLANS TO CONDUCT INSPECTIONS OF SHIPPERS.

3. EFFECTIVE 1 JANUARY 1991, AIRLINES ARE REQUIRED TO POST SIGNS WARNING PASSENGERS OF HAZARDOUS MATERIALS THEY CANNOT CARRY ABOARD AIRCRAFT AND INFORMING PASSENGERS OF PENALTIES. CRIMINAL VIOLATIONS WILL BE SOUGHT WHEN WARRANTED AND CIVIL PENALTIES WILL ALSO BE PURSUED.

4. NAVY SHIPPERS MUST ENSURE STRICT COMPLIANCE WITH FAA HAZARDOUS MATERIAL SHIPMENT REGULATIONS. TITLE 49 CFR APPLIES.

BT

#6025

NNNN

INFO: LCG, TRNG, SPTDIV, FSMO-1, PERS, PO, ADJ, MANP, EOD, DSSC, MCES, FAC, RRDLET, TMO/35

FAC ROUTING

	ACTION	INFO	INT
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1200			
1200			
1200			

Copy sent to BMD

ROUTINE

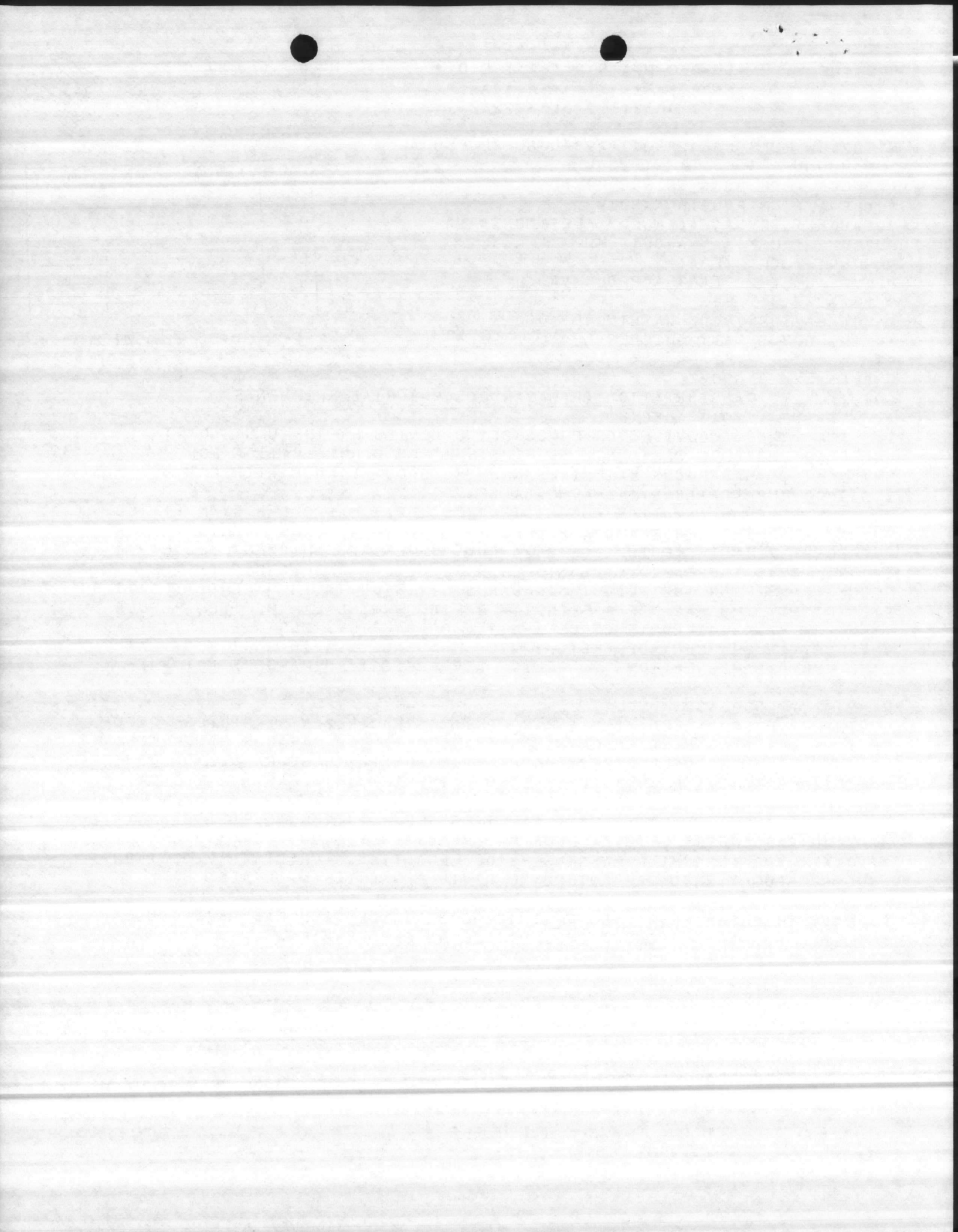
* UNCLASSIFIED *

13

21

037

JAN



UNITED STATES MARINE CORPS
Marine Corps Air Station
(Helicopter)
New River, Jacksonville
North Carolina 28545

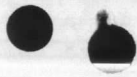
222:MEW:mla
6280
10 Dec 1980

From: Commanding Officer
To: Commander (Code 114), Atlantic Division, Naval Facilities
Engineering Command, Norfolk, Virginia 23511
Subj: Notification of Hazardous Waste Activity; subsequent submission
Ref: (a) PhoneCon between Mr. Paul RAKOWSKI, your activity and
Mrs. Mary WHEAT, Marine Corps Air Station (Helicopter),
New River Ground Safety Specialist, on 25 Nov 1980

1. As discussed during the reference, it is requested that the subject notification to the Environmental Protection Agency (EPA) be amended to delete this command as a transporter of hazardous wastes. Marine Corps Base, Camp Lejeune has agreed to transport all hazardous wastes between the two commands.

CARL H. YUNG
By direction

Copy to:
CG, MCB, CLNC



9/11/80

This letter has not gone
out. Maj M has it.
He is awaiting guidance
from NQMC on whether
or not the responsibility
should be split.



VE LIST

cer Parris Island, SC
er MEDPAC
cer Camp Pendelton, Calif
Camp Pendelton, Calif
Yuma, Arizona
Cherry Point, NC
Cherry Point, NC
cer Quantico, Virginia
int Albany, Georgia
ogist Camp Pendelton, Calif
er Camp Smith, Hawaii

Awaiting
Wtg HQ MC

9/10/80

Jwylah,

Did this go out?

Beth

11 Sep 80

Beth,

we do not have
file copy - must
not have gone
out.

Th

J. Wein
says
at
AC/S
Fax

OBJECTIVE/PERFORMAN

Objective # _____ An EEO objective must be included as # 1.

What is it you wish to accomplish? Objectives may include quantitative or qualitative areas. Further, they may deal with steps to be taken in areas such as research where output may be more uncertain.

MEASUREMENT STANDARDS

How will achievement of objective be measured (time, cost, quality, result, etc.)? Multiple standards should be applied to all objectives where appropriate.

PERFORMA

1. On Target

2. Above Target

HEADQUARTERS, MARINE CORPS BASE, CAMP LEJEUNE

ACTION BRIEF

Date: AUG 2 2 1980

Staff Section: Base Maintenance Department

Subj: Marine Corps Hazardous Materials Environmental Program; compliance of Marine Corps Air Station (H), New River

Ref: (a) COMCAS(H) ltr 206:GGD:cbm 6240 of 14 Jul 1980
(b) Logistic/Support Services Agreement for Marine Corps Base, Camp Lejeune/Marine Corps Air Station (H), New River

Problem:

Reference (a) requested Marine Corps Base to include Marine Corps Air Station (H), New River in base's implementation of the subject program. The first deadline to be met ^{was} submission of Notification of Hazardous Waste Activity to the Environmental Protection Agency by 18 August 1980. Reference (b) does not provide an adequate basis for Marine Corps Base to implement the subject program for Marine Corps Air Station (H), New River.

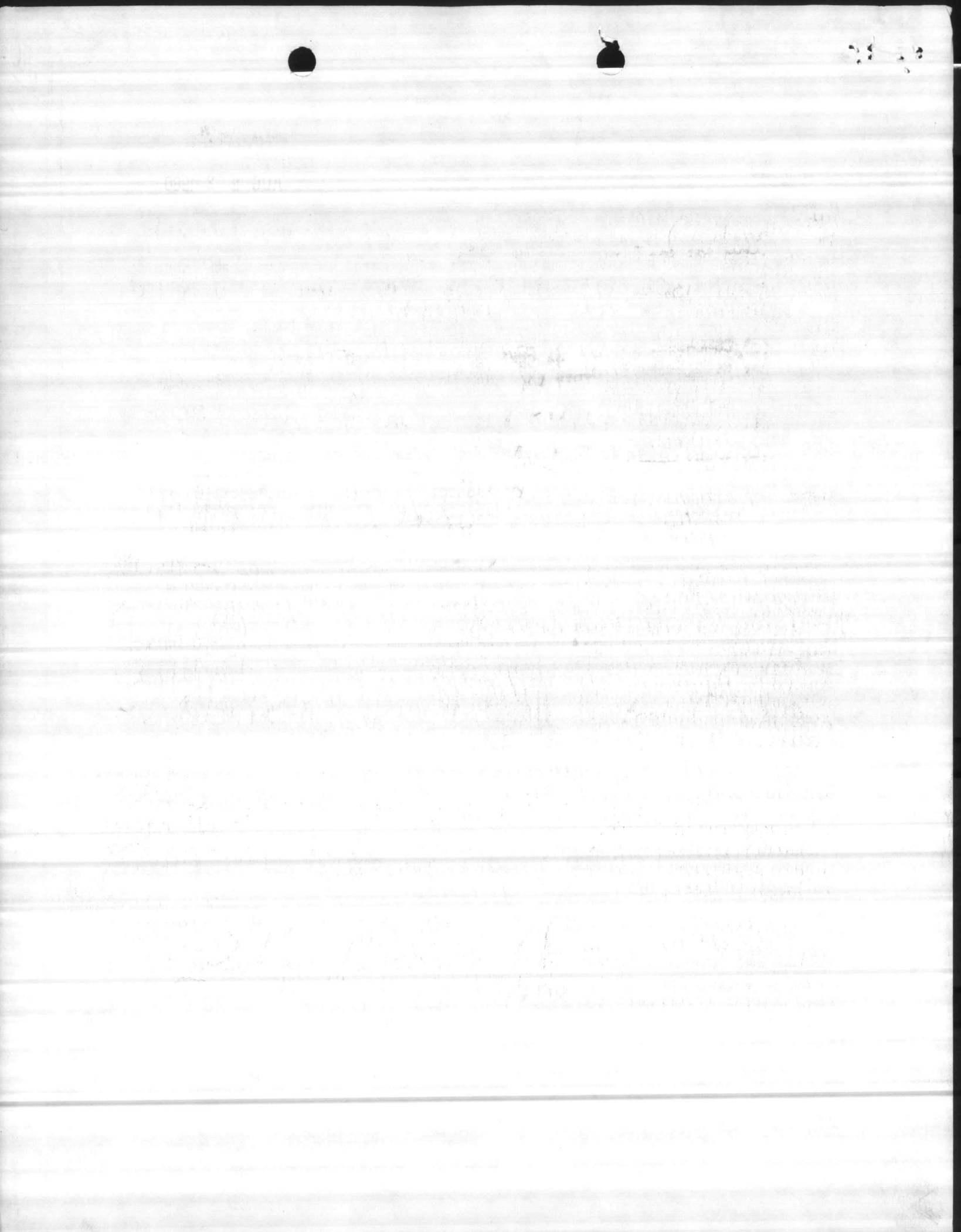
Background/Discussion:

Implementation of the subject program will involve significant modification of the handling and storage of hazardous materials by Marine Corps Air Station (H) and Air Station tenants. The monitoring and enforcement of the legal requirements of this program is potentially controversial. The scope of reference (b) is not adequate for resolving conflicts which might arise. The agreement has been discussed with MCAS(H) personnel and they concur with same.

Recommended Action:

It is requested the attached letter be signed in response to reference (a).

B. W. ELSTON
Acting Base Maintenance Officer CBCL 5216/2



From: Commanding General
To: Commanding Officer, Marine Corps Air Station (Helicopter), New River,
Jacksonville, North Carolina 28545

Subj: Marine Corps Hazardous Materials Environmental Program; compliance of
Marine Corps Air Station (Helicopter), New River

Ref: (a) COMCAS(H) ltr 206:GGD:cbm 6240 of 14 Jul 1980
(b) RCRA (Pub. L. No. 94-580) (42USC 6901-6987) (NOTAL)
(c) NAVFACENCOMLANTDIV sponsored Hazardous Materials Mgt Workshop
8-9 July 1980
(d) COMCABEAST ltr MAO-eef 11010 of 29 April 1977 (Logistic Support
Agreement)
(e) MCBul 6280 of 1 May 1980

Encl: (1) Proposed Agreement Between Marine Corps Base, Camp Lejeune, and
Marine Corps Air Station (Helicopter) (MCAS(H)), New River, for
Implementation of Hazardous Material Environmental Program

1. This letter is in response to your request, outlined in reference (a), that Marine Corps Base (MCB) assume responsibility for compliance with deadlines established by the Environmental Protection Agency (EPA), Department of the Navy and Headquarters Marine Corps to implement reference (b). Department of Defense has assigned broad new responsibilities for hazardous materials and waste disposal to the Defense Logistic Agency, which will be implemented locally by the Defense Property Disposal Officer (DPDO). Also, the Department of Defense, Department of the Navy and Headquarters Marine Corps are giving high priority to the subject program. MCB will absorb the cost of long term storage and disposal of hazardous waste generated by MCAS(H).

2. Mr. Paul Hubbell, Headquarters Marine Corps, advised during reference (c) that the Commandant of the Marine Corps intended for MCB to be the lead agency for the subject program for all commands at Camp Lejeune including MCAS(H), New River. However, this requirement is beyond the scope of the environmental provisions cited in reference (d). The focus of the subject program is on the proper procurement, labeling, storage, packaging, transportation and disposal of hazardous materials.

3. Enclosure (1) has been developed by this command as a proposal in effecting compliance with the requirements of references (b) and (e) in regard to MCAS(H), New River. Due to the short time in which to effect compliance with these complex regulations, it is requested that enclosure (1) be reviewed and an immediate acknowledgement be made as to the acceptability of the proposals therein.

Enclosed for the Director are two copies of the report of the...

The report of the Director is being furnished to the...

(a) The report of the Director is being furnished to the...

(b) The report of the Director is being furnished to the...

(c) The report of the Director is being furnished to the...

(d) The report of the Director is being furnished to the...

(e) The report of the Director is being furnished to the...

The report of the Director is being furnished to the...

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The report of the Director is being furnished to the...

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
Base Maintenance Department
Marine Corps Base
Camp Lejeune, North Carolina 28542

17 Dec 80

From: Director

To: BMO

Subj: Resource Conservation and Recovery Act

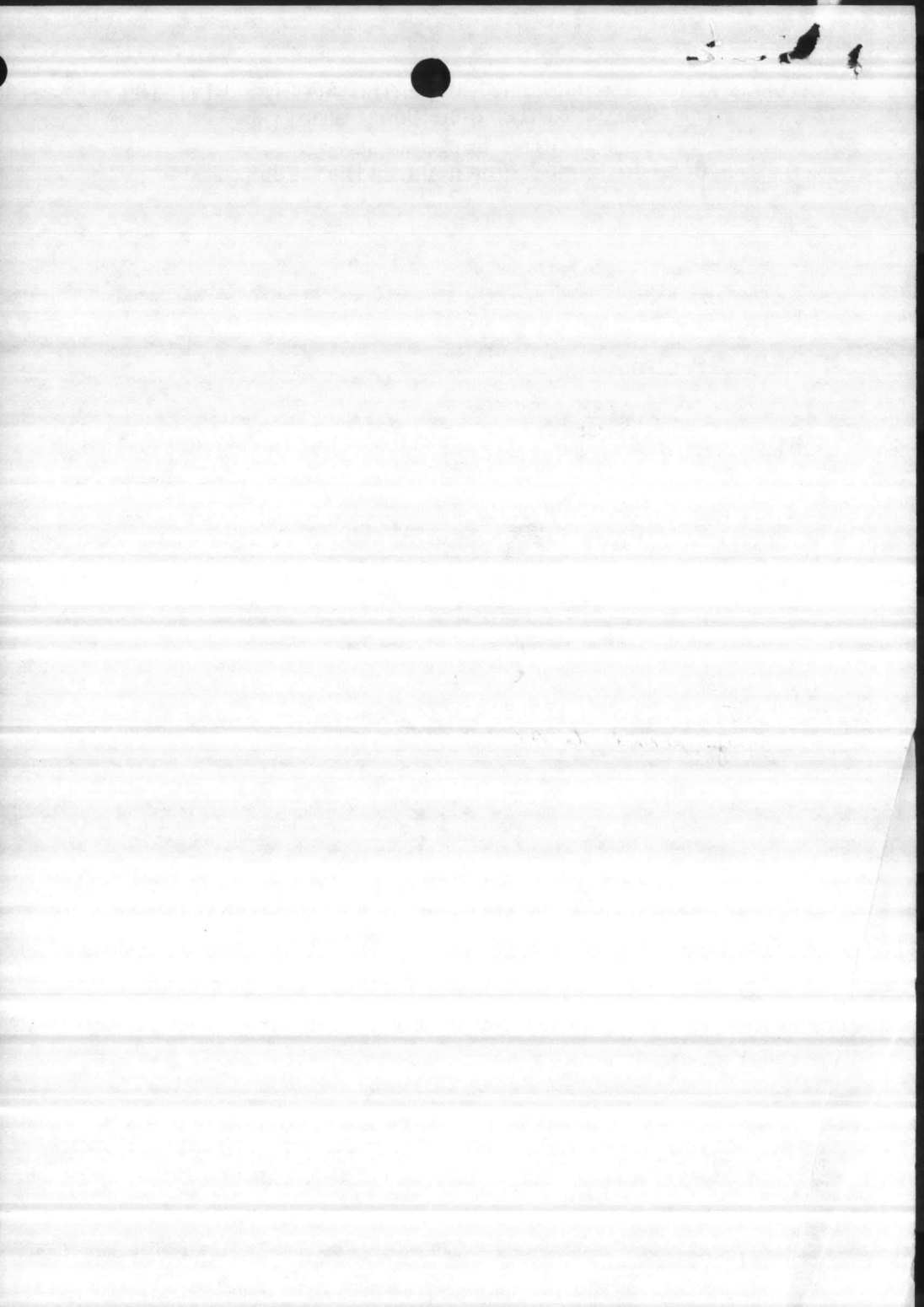
1. For your information

D. Large

Danny

Copy sent to ACIS Logistics

Beth



UNITED STATES MARINE CORPS
Marine Corps Air Station
(Helicopter)
New River, Jacksonville
North Carolina 28545

222:MEW:mla
6280
10 Dec 1980

From: Commanding Officer
To: Commander (Code 114), Atlantic Division, Naval Facilities
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1. As discussed during the reference, it is requested that the subject notification to the Environmental Protection Agency (EPA) be amended to delete this command as a transporter of hazardous wastes. Marine Corps Base, Camp Lejeune has agreed to transport all hazardous wastes between the two commands.

CARL H. YUNG
By direction

Copy to:
CG, MCB, CLNC

SECRET

100-100000

From: Commanding Officer
To: Bureau (100-100000) and
Subject: [Illegible]

The attached report of [Illegible] dated [Illegible] and
dated [Illegible] (see [Illegible])
concerns the activities of [Illegible] and [Illegible]
in the [Illegible] area. It is requested that you
be kept advised of any further information received
regarding this matter. A copy of this report is being
furnished to the [Illegible] and [Illegible].

[Illegible Signature]

[Illegible Stamp]

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
BASE MAINTENANCE DEPARTMENT
CAMP LEJEUNE, NORTH CAROLINA 28542

26 Jan 81

From: Director, NREA Division

To: *B M O*

Subj:

Hazardous Waste Management; Public Hearing

1.

*concerning
attached memo is for your info.*

Jubain

BWR

*Thanks
M*



1. 2. 3.

10/10/10

10/10/10

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10/10/10

DEPARTMENT OF THE NAVY

Memorandum

MAIN/DS/mp

6240

DATE: 23 January 1981

FROM Base Supervisory Ecologist

TO Memorandum for the Record

SUBJ Public Hearing held by State of North Carolina on 22 January 1981 regarding Hazardous Waste Management

Ref: (a) Resource Conservation and Recovery Act

Encl: (1) Agenda for Onslow County Regional Public Meetings
(2) Draft Report of the Governor's Task Force in Waste Management, 12 Jan 1981
(3) AC/SFAC Memo of 16 Jan 1981

1. The purpose of this memorandum is to document information obtained during the subject meeting held to discuss topics outlined in enclosures (1), (2) and (3).

2. Mr. O. W. Strickland, Head of Soil and Hazardous Waste Management Branch, North Carolina Department of Human Resources, made the following comments.

a. Hazardous Waste Generators properly registered with the Environmental Protection Agency (EPA) were now regulated by the State Hazardous Waste Program and would no longer deal with EPA.

b. All shipment of wastes will be done in accordance with DOT regulations.

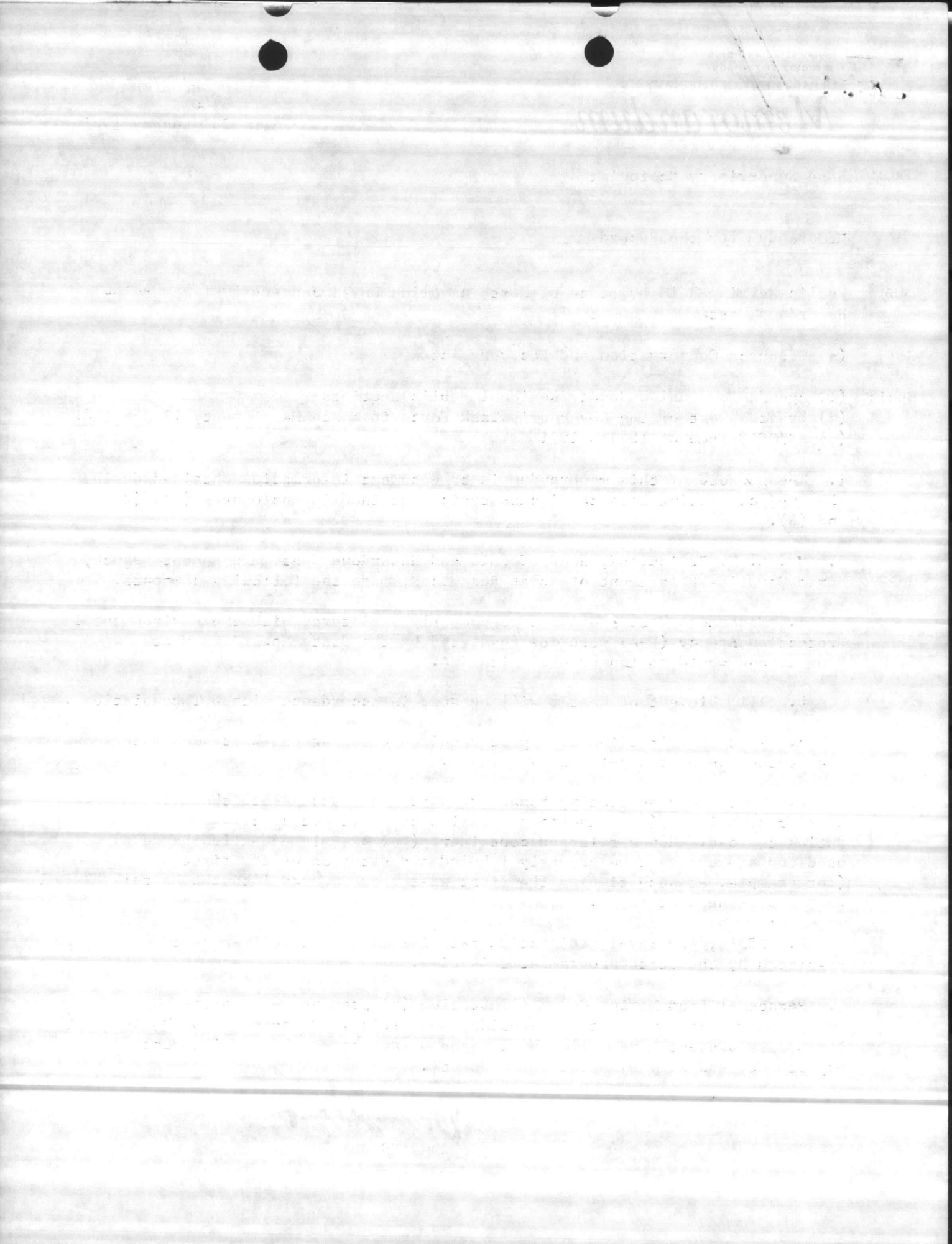
c. That the first Annual Report required by Hazardous Waste Generators is due at the end of the calendar year 1981.

d. That shops generating hazardous wastes can accumulate these in working containers (for example a 5-gallon can) without concern over dating the can. However larger containers (for example 55-gallon barrels) used for storage must be properly labeled and dated as of the first use (for example, at such time as the first wastes are poured into the barrel from a working container).

e. PCB's, low level radioactive materials and waste oil are not regulated by the State program at this time.

3. Personnel from Marine Corps Air Station (h) present were Colonel Carl Yung, S-4 Officer and Captain Burnside, S-4 Office. Personnel from Marine Corps Base present were Julian Wooten and Danny Sharpe, Base Maintenance Department, and Mary M. Wheat, Base Safety.

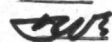

Danny SHARPE



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION

BASE MAINTENANCE DEPARTMENT

CAMP LEJEUNE, NORTH CAROLINA 28542

Bmo
ABmo 

27 Feb 81

From: Director, NREA Division

To: BMO

Subj: N. C. State Memo on Hazardous Mat.
1.

For your info

Julian

Julian,

Send copies to

ACofS Fac

ACofS Logistics

DPDO

M

Copy Sent
on 2 March 81

Tuphol 1
Maha 1
3 copies
J. K. K.



STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

JAMES B. HUNT, JR.
GOVERNOR

HUGH H. TILSON, M.D.
DIRECTOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

P. O. Box 2091

Raleigh 27602

February 3, 1981

MEMORANDUM

TO: North Carolina Hazardous Waste Generators, Transporters, Storers, Treaters, or Disposers

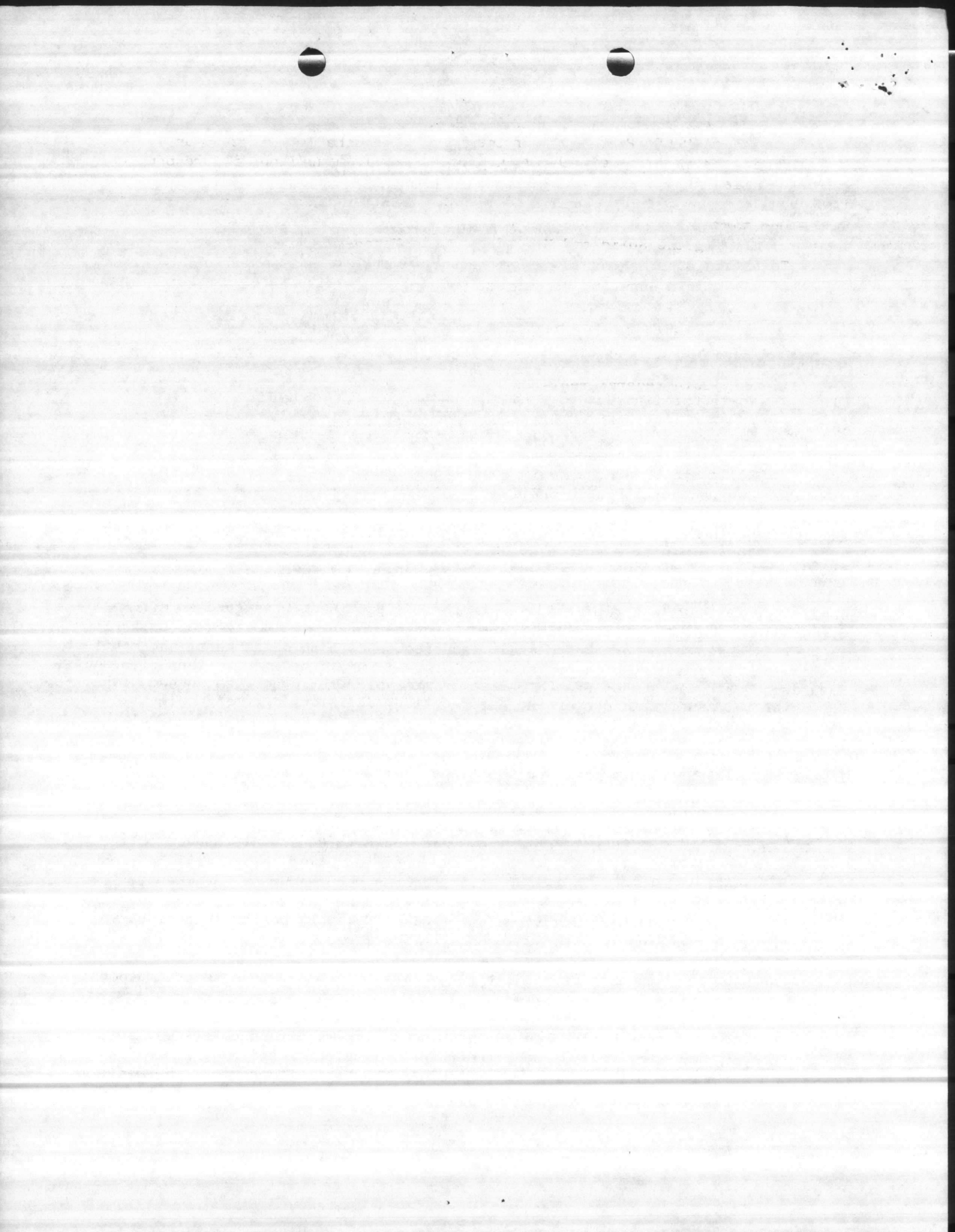
FROM: Mr. O. W. Strickland, Head
Solid and Hazardous Waste Management Branch
Environmental Health Section

SUBJECT: North Carolina Received Interim Authorization From EPA January 8, 1981
To Administer Resource Conservation And Recovery Act

January 8, 1981 EPA's Regional Administrator, Rebecca Hanmer, signed an agreement with Governor James B. Hunt giving North Carolina Interim Authorization authority to administer RCRA in North Carolina. Inquires concerning ID numbers, the manifest system, permits, and other aspects of the program should be made to the Solid and Hazardous Waste Management Branch. However, if you were in correspondence with EPA prior to January 8th concerning notification, delisting, Part A application, etc., you should follow through on that project with EPA. They will share this information with the State when it is completed.

Important new RCRA events that you should be familiar with are:

- The annual hazardous waste report, EPA Form 8700-13 (5-80), mass balance report of amount shipped, type, number of shipments, and description of waste should be submitted to the Solid and Hazardous Waste Management Branch by March 1, 1982. The first annual reporting period will be from November 19, 1980 to December 31, 1981. My memorandum of November 1, 1980 indicates that the first annual report would be due March 1, 1981 covering the period November 19th to December 31, 1980. EPA has since decided to fold that period into the calendar year 1981 report.
- We have had a number of request for a list of transporters (see Attachment "A" for transporters who notified EPA).
- Be sure the transporter you use has an ID number. Transporters may not accept hazardous waste from a generator unless accompanied by a manifest in accordance with federal regulation 40 CFR Part 262 and that the waste is in approved properly labeled containers. If a transporter stores hazardous





STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

JAMES B. HUNT, JR.
GOVERNOR

HUGH H. TILSON, M.D.
DIRECTOR

SARAH T. MORROW, M.D., M.P.H.
SECRETARY

P. O. Box 2091

Raleigh 27602

February 3, 1981

MEMORANDUM

TO: North Carolina Hazardous Waste Generators, Transporters, Storers, Treaters, or Disposers

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Solid and Hazardous Waste Management Branch
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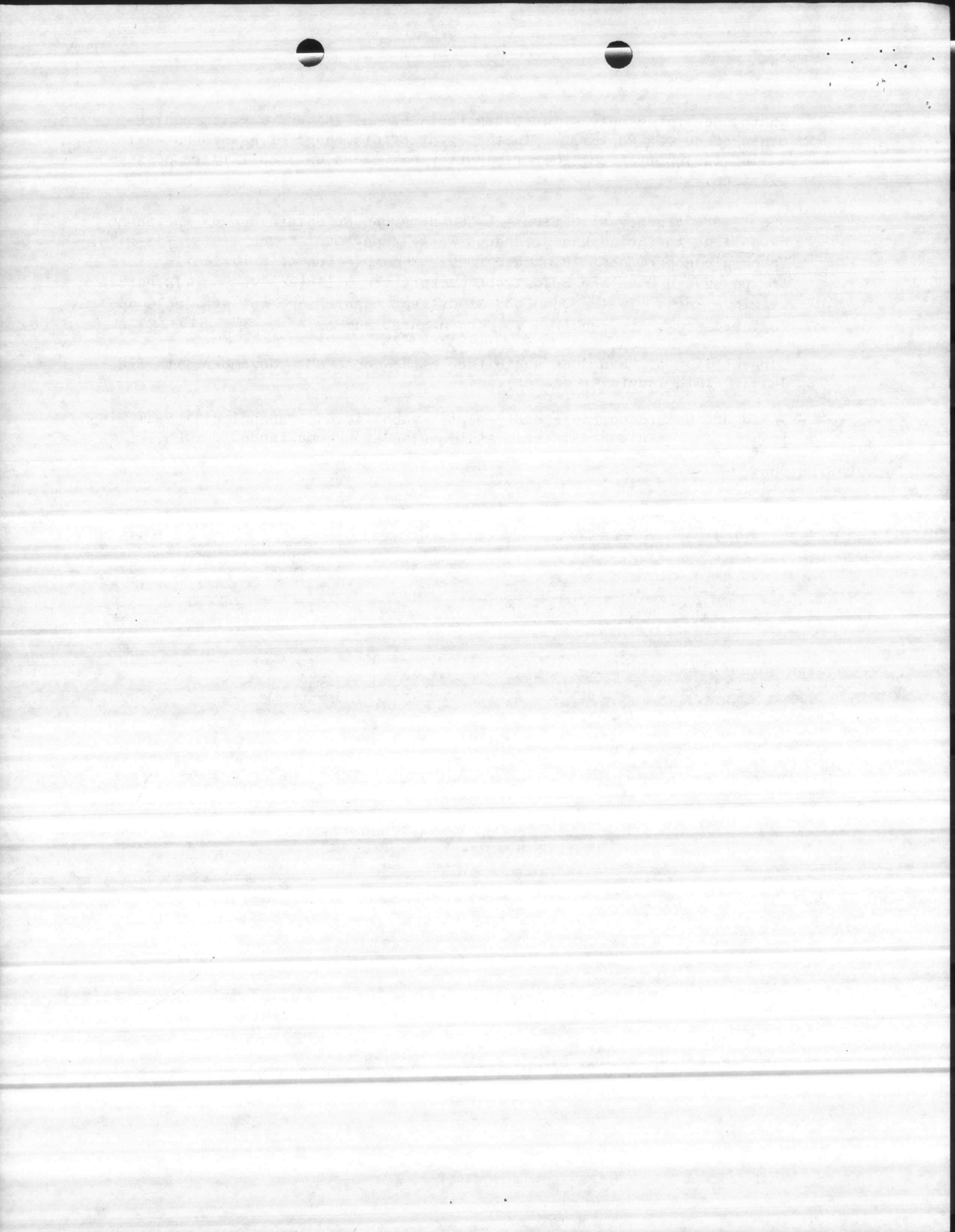
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- Be sure the transporter you use has an ID number. Transporters may not accept hazardous waste from a generator unless accompanied by a manifest in accordance with federal regulation 40 CFR Part 262 and that the waste is in approved properly labeled containers. If a transporter stores hazardous



waste, he must comply with 40 CFR Part 264 and 265 and permit requirements of 40 CFR Part 122. In the event of discharge of hazardous waste during transportation, the transporter has clean up/liability responsibilities.

- One time emergency situation - ID numbers can be obtained over the phone by calling the Solid and Hazardous Waste Management Branch (919) 733-2178. To obtain a permanent ID number requires completion of notification form. If you have a Dunn and Bradstreet number, you will receive your ID number within a week. If the Dunn and Bradstreet numbers are not available up to three weeks are required to obtain an ID number.
- Current list of hazardous waste (see Attachment "B" - November 17th and January 16th federal register).
- Solid and Hazardous Waste Management Branch field personnel will be making inspections related to interim status standards compliance.

OWS/EB:dpn
Attachments



LIST OF TRANSPORTERS

Axton-Cross Company
 Service Road
 Charlotte, North Carolina 28206
 (919) 273-0511
 Mr. Roger Williams

Gaither Transou Septic Tank Service
 4270 Blakewood Terrace
 Greensboro, North Carolina 27407
 (919) 294-6861
 Mr. Eugene Cardwell - Owner

Belmor Corporation
 308 Mike Street
 Fayetteville, North Carolina 28303
 (919) 868-3166
 Mr. Graham Bell - President

Helper Trucking Company
 Yadkin Valley Road
 Advance, North Carolina 27006
 (919) 998-8873
 Mr. Lonnie Helper - Owner

Carolina Freight Carriers Corporation
 Highway 150 East
 Cherryville, North Carolina 28021
 (704) 435-6811
 Mr. Ledford Dickload

James Waste Oil Service
 210 Dalton Avenue
 Charlotte, North Carolina 28206
 (704) 332-8692
 Mr. Jack Holder - President

Carolina Waste Systems, Inc.
 Highway 74 East
 Hamlet, North Carolina 28345
 (919) 582-5210
 Mr. Jerry Eugene Whitley

Kenan Transport Company Incorporated
 143 West Franklin Street
 Chapel Hill, North Carolina 27514
 (919) 967-8221
 Mr. Robert Guyer - Director

Central Transport Incorporated
 Uwharrie Road
 High Point, North Carolina 27264
 (919) 431-9186
 Mr. Gary Honbarrier - Vice-President

Lackey Mike Grading
 Route 8, Box 2051 Norwood Street
 Southwest
 Lenoir, North Carolina 28645
 (704) 728-8717
 Mr. Mike Lackey

Colonial Motor Freight Line, Inc.
 Uwharrie Road
 High Point, North Carolina 27264
 (919) 431-2191
 Mr. Jay Eller

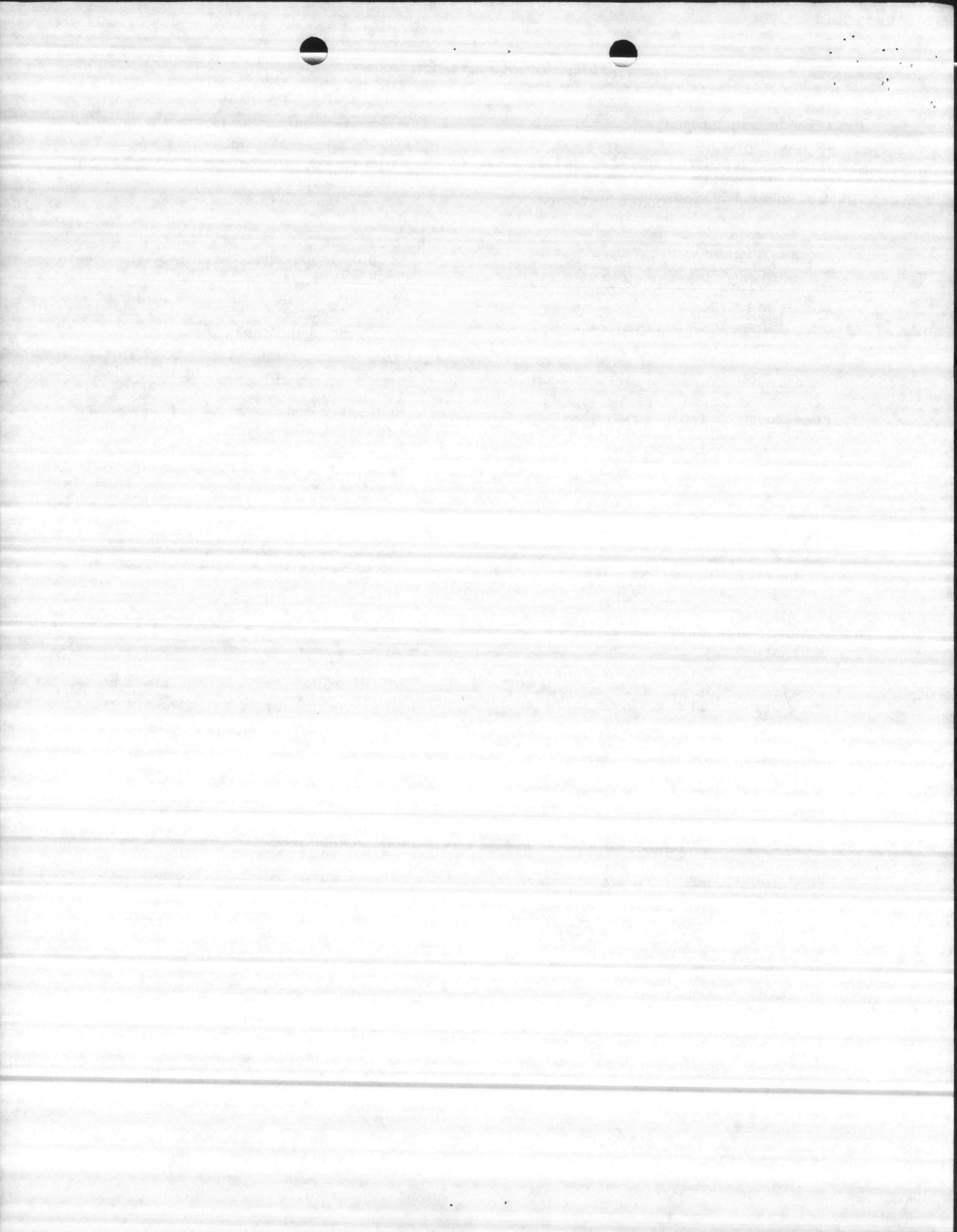
Laney Tank Lines, Inc.
 143 West Franklin Street
 Chapel Hill, North Carolina 27514
 (919) 967-8221
 Mr. Robert Guyer - Director

Drexel Heritage Central Trucking
 New Street
 Morganton, North Carolina 28619
 (704) 433-3521
 Mr. Austin Hart - Manager

M & L Waste Disposal Service
 Sugar Loaf Road
 Hendersonville, North Carolina 28739
 (704) 693-6061
 Mr. M. Morrison

E. L. Dawson Company
 1313 Pitt Street
 Rocky Mount, North Carolina 27801
 (919) 446-8700
 Mr. Eric L. Dawson III

M & T Drum Service, Inc.
 Route 4, Box 1230
 Huntersville, North Carolina 28078
 (704) 875-6014
 Mr. Mack Walden - President



McLean Trucking Company
1920 West First Street
Winston-Salem, North Carolina 27104
(919) 721-2251
Mr. Howard Walton - Safety

TICAR Chemical Company, Inc.
Highway 191 South
Asheville, North Carolina 28806
(704) 667-0161
Mr. Steve Woolard - Vice-President

Old Dominion Freight Line, Inc.
1730 Westchester Drive
High Point, North Carolina 27261
(919) 889-5000
Mr. Ken Davis - Director

United Merchants Trucking, Inc.
Route 7
Statesville, North Carolina 28677
(704) 873-5221
Mr. David Kingsland - Safety

Pilot Freight Carriers, Inc.
Hwy. 66
Kernersville, North Carolina 27284
(919) 993-4861
Mr. Fred Hager - Director of Safety

Waste Industries, Inc.
4900 Craftsman Drive
Raleigh, North Carolina 27609
(919) 876-9252
Mr. Lonnie Poole - President

Southchem, Incorporated
2000 East Pettigrew Street
Durham, North Carolina 27702
(919) 596-0681
Mr. John Pugh - Operations

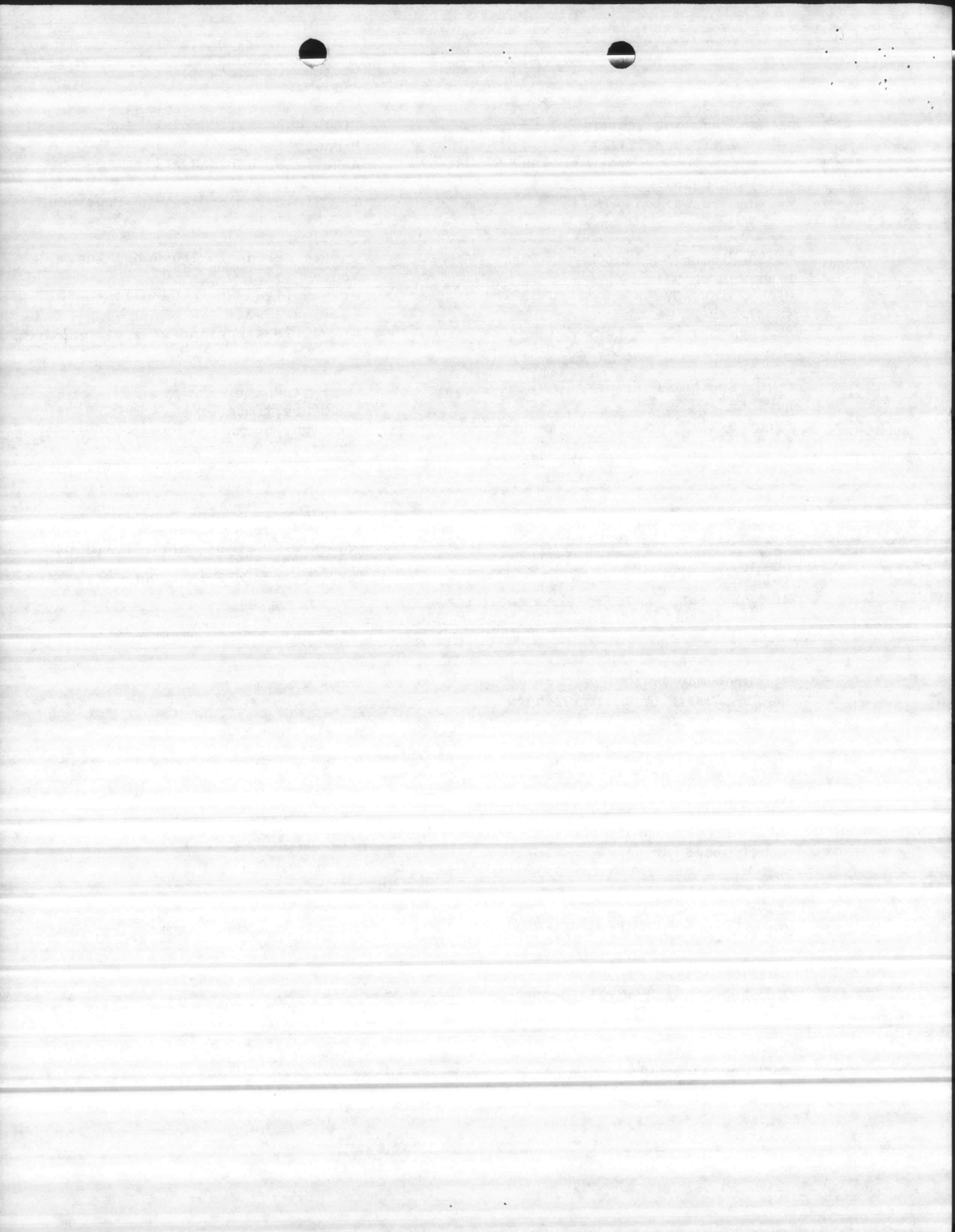
Yadkin Valley Drum Company
Off U. S. Hwy. 168 East
North Wilkesboro, North Carolina
(919) 838-3756 28659
Mr. Terry Anderson - Owner

Sparks Trucking
811 Creekway Drive
Lenoir, North Carolina 28645
(704) 758-9396
Mr. Dewitt Sparks - President

Standard Trucking Company
225 East 16th Street
Charlotte, North Carolina 28230
(704) 596-6063
Mr. W. C. Gilbert - Safety Director

Strayhorn Waste Oil Service
2219 Glover Road
Durham, North Carolina 27703
(919) 596-2580
Mr. Leo L. Strayhorn - Owner

Thruston Motor Lines, Inc.
600 Johnston Road
Charlotte, North Carolina 28206
(704) 373-1933
Mr. Ray B. Harrill - Safety



thereby conserve resources, while at the same time avoiding the potential hazards associated with discarding of hazardous chemicals. The above practices also avoid causing many thousands of wholesalers, retailers and users from becoming generators of hazardous wastes because they will be able to return the materials for reuse instead of possibly discarding them. The Agency believes that many of these persons will be unfamiliar or not well acquainted with the regulations and may fail to properly perform the responsibilities of a generator if they have to discard the materials.

It is quite likely that, in some cases, a manufacturer or supplier will find it necessary to discard some portion of the materials returned to him because he is unable to reprocess, repackage, resell or use it. Where this occurs, that portion which is discarded becomes a hazardous waste when it is discarded or when a decision is made to discard the material. In this situation the manufacturer or supplier is the generator of a hazardous waste because he is the "person . . . whose act . . . produces hazardous waste . . ." (see the definition of "generator" in § 280.10).

C. Are manufactured articles (such as battery and mercury vapor lights) that contain any of the chemicals listed in § 281.33 hazardous wastes by definition if they are discarded or intended to be discarded?

EPA intends that the materials listed in § 281.33 include only those commercial chemical products and manufacturing chemical intermediates that are known by the generic name of the chemicals listed in paragraphs (e) and (f) of that section. Manufactured articles that contain any of the chemicals listed in paragraphs (e) and (f) are rarely, if even, known by the generic name of the chemical(s) they contain and, therefore, are not covered by the § 281.33 listings. Should the Agency find it necessary to list any manufactured articles as hazardous wastes, it will initiate rulemaking to add these articles to § 281.33.

Date: November 20, 1980.

Douglas M. Costle, Administrator.

PART 261—IDENTIFICATION AND LISTING OF HAZARDOUS WASTE

Title 40, Part 261 of the Code of Federal Regulations is amended as follows:

1. Revise § 281.33 to read as follows:

§ 281.33 Discarded commercial chemical products, off-specification species, containers, and spill residues thereof.

The following materials or items are hazardous wastes if and when they are discarded or intended to be discarded:

(a) Any commercial chemical product, or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this section.

(b) Any off-specification commercial chemical product or manufacturing chemical intermediate which, if it met specifications, would have the generic name listed in paragraphs (e) or (f) of this section.

(c) Any container or inner liner removed from a container that has been used to hold any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraph (e) of this section, unless:

(1) The container or inner liner has been triple rinsed using a solvent capable of removing the commercial chemical product or manufacturing chemical intermediate; or

(2) The container or inner liner has been cleansed by another method that has been shown in the scientific literature, or by tests conducted by the generator, to achieve equivalent removal; or

(3) In the case of a container, the inner liner that prevented contact of the commercial chemical product or manufacturing chemical intermediate with the container, has been removed.

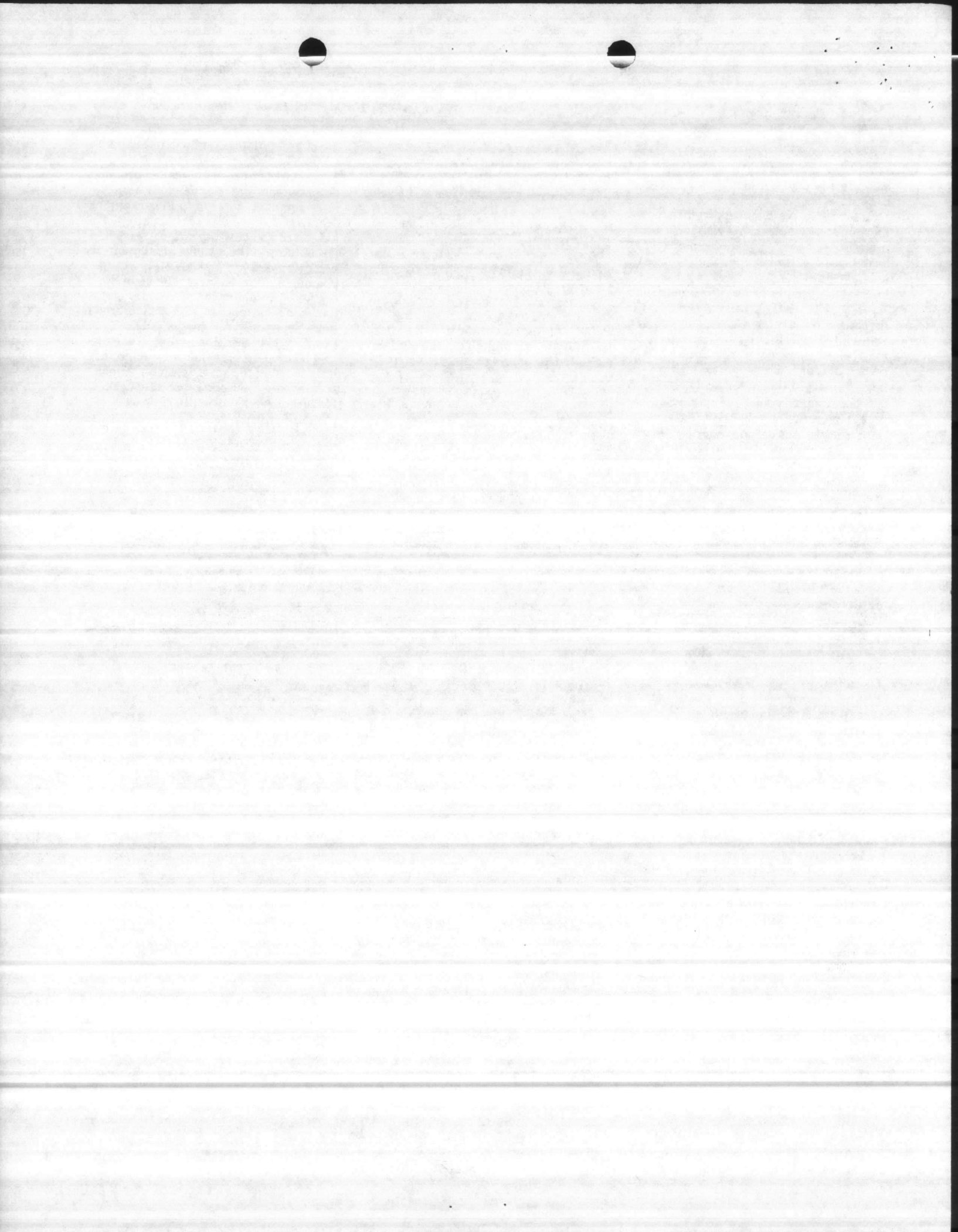
(d) Any residue or contaminated soil, water or other debris resulting from the cleanup of a spill, into or on any land or water, of any commercial chemical product or manufacturing chemical intermediate having the generic name listed in paragraphs (e) or (f) of this Section. [Comment: The phrase "commercial chemical product or manufacturing chemical intermediate having the generic name listed in . . ." refers to a chemical substance which is manufactured or formulated for commercial or manufacturing use which consists of the commercially pure grade of the chemical, any technical grades of the chemical that are produced or marketed, and all formulations in which the chemical is the sole active ingredient. It does not refer to a material, such as a manufacturing process waste, that contains any of the substances listed in paragraphs (e) or (f). Where a manufacturing process waste is deemed to be a hazardous waste because it contains a substance listed in paragraphs (e) or (f), such waste will be listed in either §§ 281.31 or 281.32 or will be identified as a hazardous waste by

the characteristics set forth in Subpart C of this Part.]

(e) The commercial chemical products or manufacturing chemical intermediates, referred to in paragraphs (a) through (d) of this section, are identified as acute hazardous wastes (H) and are subject to the small quantity exclusion defined in § 281.5(e).

[Comment: For the convenience of the regulated community the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), and R (Reactivity). Absence of a letter indicates that the compound only is listed for acute toxicity.] These wastes and their corresponding EPA Hazardous Waste Numbers are:

Table with 2 columns: Hazardous waste No. and Substance. Lists various chemical products and their corresponding EPA Hazardous Waste Numbers (P001 through P071).

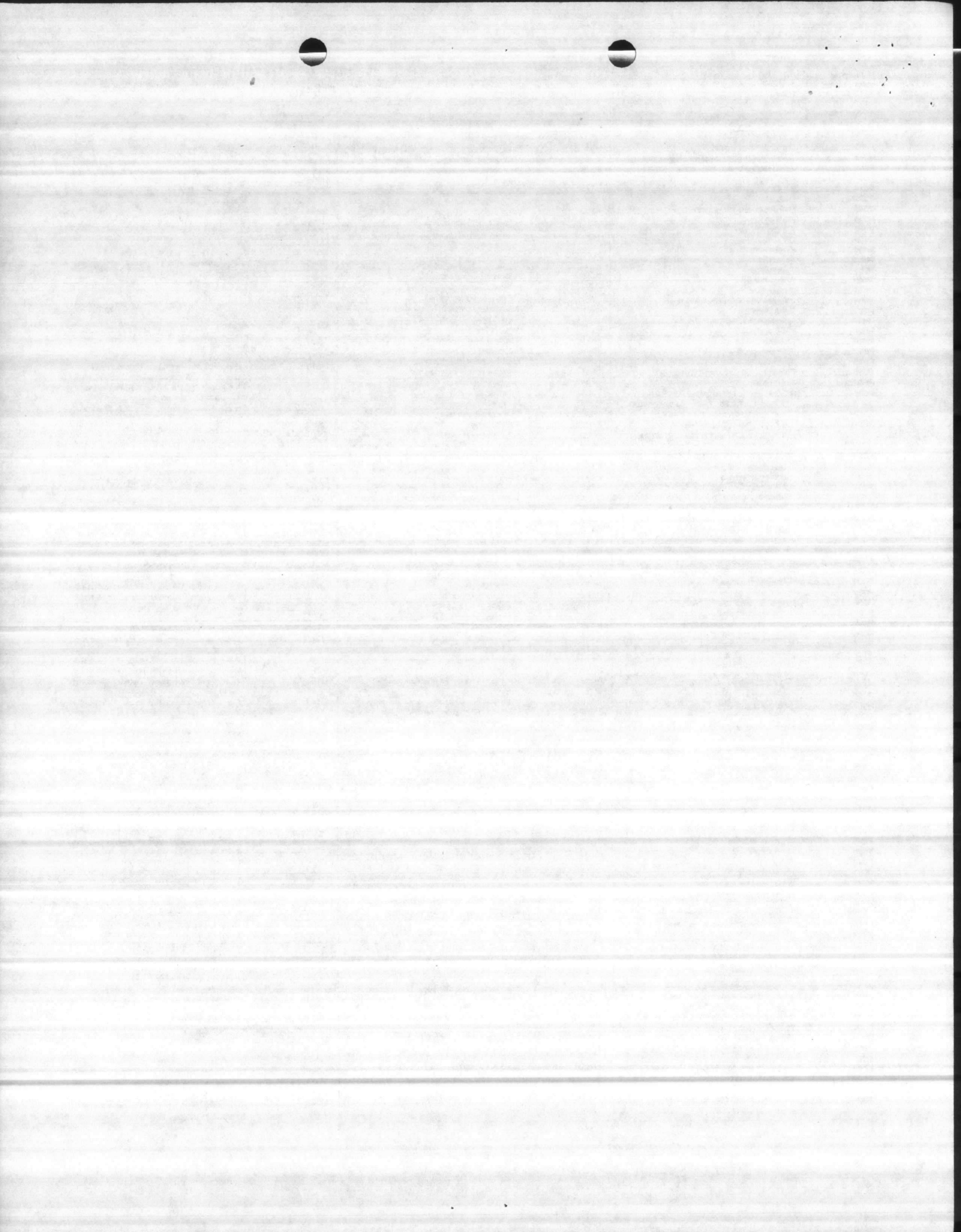


Hazardous waste No.	Substance
P082	Dimethylnitrosamine
P046	alpha, alpha-Dimethylphenethylamine
P047	4,6-Dinitro-o-cresol and salts
P034	4,6-Dinitro-o-cyclohexyphenol
P048	2,4-Dinitrophenol
P026	Dioxets
P085	Diphosphoramidate, octamethyl-
P039	Disulfoton
P049	2,4-Dithioburet
P109	Dithiopyrophosphoric acid, tetraethyl ester
P050	Endosulfan
P088	Endosulfan
P051	Endrin
P042	Epinephrine
P046	Ethanamine, 1,1-dimethyl-2-phenyl-
P084	Ethanamine, N-methyl-N-nitroso-
P101	Ethyl cyanide
P054	Ethylamine
P097	Fazphur
P056	Fluorine
P057	Fluoroacetamide
P058	Fluoroacetic acid, sodium salt
P085	Fulminic acid, mercury(II) salt (R,T)
P059	Heptachlor
P051	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,endo-1,4,5,8-dimethanonaphthalene
P037	1,2,3,4,10,10-Hexachloro-6,7-epoxy-1,4,4a,5,6,7,8,8a-octahydro-endo,exo-1,4,5,8-dimethanonaphthalene
P080	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4,5,8-endo,endo-dimethanonaphthalene
P004	1,2,3,4,10,10-Hexachloro-1,4,4a,5,8,8a-hexahydro-1,4,5,8-endo,exo-dimethanonaphthalene
P060	Hexachlorohexahydro-endo,exo-dimethanonaphthalene
P082	Hexaethyl tetraphosphate
P116	Hydrazinecarbothioamide
P088	Hydrazine, methyl-
P083	Hydrocyanic acid
P083	Hydrogen cyanide
P096	Hydrogen phosphide
P084	Isocyanic acid, methyl ester
P007	3(2f)-Isosulfone, 5-(aminomethyl)-
P092	Mercury, (acetato-O)phenyl-
P085	Mercury fulminate (R,T)
P016	Methane, acylbis(chloro-
P112	Methane, tetranitro- (F)
P118	Methanethiol, trichloro-
P059	4,7-Methano-1H-indene, 1,4,5,6,7,8,8-heptachloro-3a,4,7,7a-tetrahydro-
P066	Methylol
P067	2-Methylaziridine
P068	Methyl hydrazine
P084	Methyl isocyanate
P069	2-Methylisocyanide
P071	Methyl parathion
P072	alpha-Naphthylthiourea
P073	Nickel carbonyl
P074	Nickel cyanide
P074	Nickel(II) cyanide
P073	Nickel tetracarbonyl
P075	Nicotine and salts
P076	Nitric oxide
P077	p-Nitroaniline
P078	Nitrogen dioxide
P076	Nitrogen(II) oxide
P078	Nitrogen(IV) oxide
P081	Nitroglycerine (F)
P082	N-Nitrosodimethylamine
P084	N-Nitrosomethylvinylamine
P050	5-Norbornene-2,3-dimethanol, 1,4,5,6,7,7-hexachloro, cyclic sulfate
P085	Octamethylpyrophosphoramidate
P087	Osmium oxide
P087	Osmium tetroxide
P088	7-Oxabicyclo[2.2.1]heptane-2,3-dicarboxylic acid
P089	Parathion
P034	Phenol, 2-cyclohexyl-4,6-dinitro-
P048	Phenol, 2,4-dinitro-
P047	Phenol, 2,4-dinitro-6-methyl-
P020	Phenol, 2,4-dinitro-6-(1-methylpropyl)-
P009	Phenol, 2,4,6-trinitro-, ammonium salt (F)
P036	Phenyl dichloroarsine
P082	Phenylmercuric acetate
P093	N-Phenylthiourea
P094	Phorate
P085	Phosgene
P086	Phosphine
P086	Phosphoric acid, diethyl p-alkoxyphenyl ester

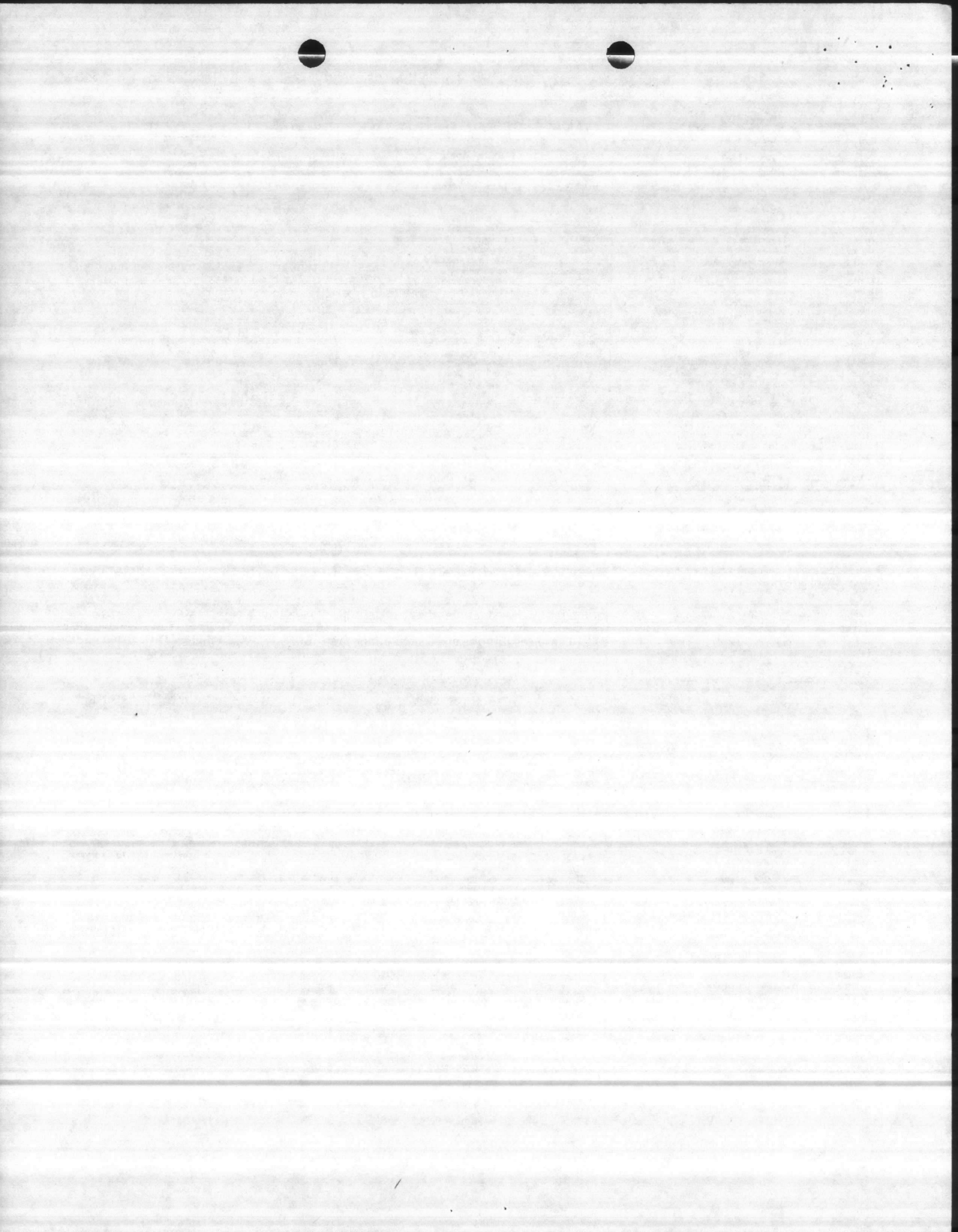
Hazardous waste No.	Substance
P044	Phosphorodithioic acid, O,O-dimethyl S-[2-(methylamino)-2-oxoethyl]ester
P043	Phosphorofluoric acid, bis(1-methylsilyl)-ester
P094	Phosphorothioic acid, O,O-diethyl S-(ethylthio)methyl ester
P089	Phosphorothioic acid, O,O-diethyl O-(p-nitrophenyl) ester
P040	Phosphorothioic acid, O,O-diethyl O-pyrazinyl ester
P087	Phosphorothioic acid, O,O-dimethyl O-[(dimethylamino)sulfonyl]phenyl ester
P110	Plumbane, tetraethyl-
P088	Potassium cyanide
P099	Potassium silver cyanide
P070	Propanal, 2-methyl-2-(methylthio)-, O-[(methylamino)carbonyl]oxime
P101	Propanenitrile
P027	Propanenitrile, 3-chloro-
P069	Propanenitrile, 2-hydroxy-2-methyl-
P081	1,2,3-Propanetriol, trinitrate- (F)
P017	2-Propanone, 1-bromo-
P102	Propargyl alcohol
P003	2-Propenal
P005	2-Propen-1-ol
P067	1,2-Propylenimine
P102	2-Propyn-1-ol
P008	4-Pyridinamine
P075	Pyridine, (S)-3-(1-methyl-2-pyrrolidinyl)-, and salts
P111	Pyrophosphoric acid, tetraethyl ester
P103	Selenourea
P104	Silver cyanide
P105	Sodium azide
P106	Sodium cyanide
P107	Strobulum sulfide
P108	Stychnidin-10-one, and salts
P018	Strychnidin-10-one, 2,3-dimethoxy-
P109	Strychnine and salts
P115	Sulfuric acid, thallium salt
P109	Tetraethylthiopyrophosphate
P110	Tetraethyl lead
P111	Tetraethylpyrophosphate
P112	Tetranitromethane (F)
P062	Tetraphosphoric acid, hexaethyl ester
P113	Thallic oxide
P113	Thallium(III) oxide
P114	Thallium(I) selenite
P115	Thallium(I) sulfate
P045	Thioamox
P049	Thioimidodicarbonic diamide
P014	Thiophenol
P116	Thiosemicarbazide
P026	Thiourea, (2-chlorophenyl)-
P072	Thiourea, 1-naphthalenyl-
P083	Thiourea, phenyl-
P123	Toxaphene
P118	Trichloromethanethiol
P119	Vanadic acid, ammonium salt
P120	Vanadium pentoxide
P120	Vanadium(V) oxide
P001	Warfarin
P121	Zinc cyanide
P122	Zinc phosphide (R,T)

(f) The commercial chemical products or manufacturing chemical intermediates, referred to in paragraphs (a), (b), and (d) of this section, are identified as toxic wastes (T) unless otherwise designated and are subject to the small quantity exclusion defined in § 261.5(a) and (f). [Comment: For the convenience of the regulated community, the primary hazardous properties of these materials have been indicated by the letters T (Toxicity), R (Reactivity), I (Ignitability) and C (Corrosivity). Absence of a letter indicates that the compound is only listed for toxicity.] These wastes and their corresponding EPA Hazardous Waste Numbers are:

Hazardous Waste No.	Substance
U001	Acetaldehyde (I)
U034	Acetaldehyde, trichloro-
U187	Acetamide, N-(4-ethoxyphenyl)-
U005	Acetamide, N-9H-fluoren-2-yl-
U112	Acrylic acid, ethyl ester (I)
U144	Acetic acid, lead salt
U214	Acetic acid, thallium(I) salt
U002	Acetone (I)
U003	Acetonitrile (I,T)
U004	Acetophenone
U005	2-Acetylaminofluorene
U006	Acetyl chloride (C,R,T)
U007	Acrylamide
U008	Acrylic acid (I)
U009	Acrylonitrile
U150	Alanine, 3-[p-bis(2-chloroethyl)amino]phenyl-, L-
U011	Amitrole
U012	Aniline (I,T)
U014	Auramine
U015	Azaserine
U010	Azirino(2',3':3,4')pyrrolo(1,2-a)indole-4,7-dione, 6-amino-8-[(aminocarbonyl)oxy)methyl]-1,1a,2,8,8a,8b-hexahydro-8a-methoxy-5-methyl-,
U157	Benz[1]aceanthrylene, 1,2-dihydro-3-methyl-
U016	Benz[c]acridine
U016	3,4-Benzacridine
U017	Benzal chloride
U018	Benz[a]anthracene
U018	1,2-Benzanthracene
U094	1,2-Benzanthracene, 7,12-dimethyl-
U012	Benzenamine (I,T)
U014	Benzenamine, 4,4'-carbonimidoylbis(N,N-dimethyl)-
U049	Benzenamine, 4-chloro-2-methyl-
U089	Benzenamine, N,N-dimethyl-4-phenylazo-
U158	Benzenamine, 4,4'-methylenebis(2-chloro-
U222	Benzenamine, 2-methyl-, hydrochloride
U181	Benzenamine, 2-methyl-5-nitro
U019	Benzene (I,T)
U038	Benzeneacetic acid, 4-chloro-alpha-(4-chlorophenyl)-alpha-hydroxy, ethyl ester
U030	Benzene, 1-bromo-4-phenoxy-
U037	Benzene, chloro-
U180	1,2-Benzenedicarboxylic acid anhydride
U028	1,2-Benzenedicarboxylic acid, [bis(2-ethylhexyl)] ester
U069	1,2-Benzenedicarboxylic acid, dibutyl ester
U088	1,2-Benzenedicarboxylic acid, diethyl ester
U102	1,2-Benzenedicarboxylic acid, dimethyl ester
U107	1,2-Benzenedicarboxylic acid, di-n-octyl ester
U070	Benzene, 1,2-dichloro-
U071	Benzene, 1,3-dichloro-
U072	Benzene, 1,4-dichloro-
U017	Benzene, (dichloromethyl)-
U223	Benzene, 1,3-dicocyanatomethyl-, (R,T)
U239	Benzene, dimethyl-(I,T)
U201	1,3-Benzenediol
U027	Benzene, hexachloro-
U056	Benzene, hexahydro- (I)
U188	Benzene, hydroxy-
U220	Benzene, methyl-
U105	Benzene, 1-methyl-1,2,4-dinitro-
U106	Benzene, 1-methyl-2,6-dinitro-
U203	Benzene, 1,2-methylenedioxy-4-allyl-
U141	Benzene, 1,2-methylenedioxy-4-propenyl-
U090	Benzene, 1,2-methylenedioxy-4-propyl-
U055	Benzene, (1-methylethyl)- (I)
U169	Benzene, nitro- (I,T)
U183	Benzene, pentachloro-
U185	Benzene, pentachloro-nitro-
U020	Benzenesulfonic acid chloride (C,R)
U020	Benzenesulfonyl chloride (C,R)
U207	Benzene, 1,2,4,5-tetrachloro-
U023	Benzene, (trichloromethyl)-(C,R,T)
0234	Benzene, 1,3,5-trinitro- (R,T)
U021	Benzidine
U202	1,2-Benzisothiazolin-3-one, 1,1-dioxide
U120	Benzo[1,2-k]fluorene
U022	Benzo[a]pyrene
U022	3,4-Benzopyrene
U197	p-Benzquinone
U023	Benzotrichloride (C,R,T)
U050	1,2-Benzphenanthrene
U086	2,2'-Bioxane (I,T)
U021	(1,1'-Biphenyl)-4,4'-diamine
U073	(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dichloro-
U091	(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethoxy-



Hazardous Waste No.	Substance	Hazardous Waste No.	Substance	Hazardous Waste No.	Substance
U095	(1,1'-Biphenyl)-4,4'-diamine, 3,3'-dimethyl-	U083	1,2-Dichloropropane	U109	Hydrazine, 1,2-diphenyl-
U024	Bis(2-chloroethoxy) methane	U084	1,3-Dichloropropane	U134	Hydrofluoric acid (C,T)
U027	Bis(2-chloropropyl) ether	U085	1,2,3,4-Diepoxybutane (I,T)	U134	Hydrogen fluoride (C,T)
U244	Bis(dimethylthiocarbonyl) disulfide	U104	1,4-Dithylene dioxide	U135	Hydrogen sulfide
U028	Bis(2-ethylhexyl) phthalate	U086	N,N-Diethylhydrazine	U086	Hydroperoxide, 1-methyl-1-phenylethyl- (R)
U246	Bromine cyanide	U087	O,O-Diethyl-S-methyl-dithiophosphate	U136	Hydroxydimethylarsine oxide
U225	Bromoform	U088	Diethyl phthalate	U116	2-Imidazolidinethione
U030	4-Bromophenyl phenyl ether	U089	Diethylstilbestrol	U137	Indeno[1,2,3-cd]pyrene
U128	1,3-Butadiene, 1,1,2,3,4,4-hexachloro-	U148	1,2-Dihydro-3,6-pyridazinone	U245	Indomethacin
U172	1-Butanamine, N-butyl-N-nitroso-	U090	Dihydrosofrole	U139	Iron dextran
U035	Butanoic acid, 4-[Bis(2-chloroethyl)amino] benzeno-	U091	3,3'-Dimethoxybenzidine	U140	Isobutyl alcohol (I,T)
U031	1-Butanol (I)	U092	Dimethylamine (I)	U141	Isoafole
U159	2-Butanone (I,T)	U093	Dimethylaminoozoberzene	U142	Kepone
U160	2-Butanone peroxide (R,T)	U094	7,12-Dimethylbenz[a]anthracene	U143	Lasiocarpine
U053	2-Butenal	U095	3,3'-Dimethylbenzidine	U144	Lead acetate
U074	2-Butene, 1,4-dichloro- (I,T)	U096	alpha,alpha-Dimethylbenzylhydroperoxide (R)	U145	Lead phosphate
U031	n-Butyl alcohol (I)	U097	Dimethylcarbamoyl chloride	U146	Lead subacetate
U136	Caecodylic acid	U098	1,1-Dimethylhydrazine	U129	Lindane
U032	Calcium chromate	U099	1,2-Dimethylhydrazine	U147	Maleic anhydride
U238	Carbamic acid, ethyl ester	U101	2,4-Dimethylphenol	U148	Maleic hydrazide
U178	Carbamic acid, methylnitroso-, ethyl ester	U102	Dimethyl phthalate	U149	Malononitrile
U178	Carbamide, N-ethyl-N-nitroso-	U103	Dimethyl sulfate	U150	Meiphalan
U177	Carbamide, N-methyl-N-nitroso-	U105	2,4-Dinitrotoluene	U151	Mercury
U219	Carbamide, thio-	U106	2,6-Dinitrotoluene	U152	Methacrylonitrile (I,T)
U097	Carbamoyl chloride, dimethyl-	U107	Di-n-octyl phthalate	U092	Methanamine, N-methyl- (I)
U215	Carbonic acid, diethanolamine salt	U108	1,4-Dioxane	U029	Methane, bromo-
U156	Carbonochloridic acid, methyl ester (I,T)	U109	1,2-Diphenylhydrazine	U045	Methane, chloro- (I,T)
U033	Carbon oxyfluoride (R,T)	U110	Dipropylamine (I)	U046	Methane, chloromethoxy-
U211	Carbon tetrachloride	U111	Di-N-propylnitrosamine	U068	Methane, dibromo-
U033	Carbonyl fluoride (R,T)	U001	Ethanal (I)	U080	Methane, dichloro-
U034	Chloral	U174	Ethanamine, N-ethyl-N-nitroso-	U075	Methane, dichlorodifluoro-
U035	Chlorambucil	U067	Ethane, 1,2-dibromo-	U138	Methane, iodo-
U036	Chlordane, technical	U076	Ethane, 1,1-dichloro-	U119	Methanesulfonic acid; ethyl ester
U029	Chloromaphazine	U077	Ethane, 1,2-dichloro-	U211	Methane, tetrachloro-
U037	Chlorobenzene	U114	1,2-Ethanedithiocarbamodithioic acid	U121	Methane, trichloro-
U245	1-(p-Chlorobenzoyl)-5-methoxy-2-methylindole-3-acetic acid	U131	Ethane, 1,1,1,2,2,2-hexachloro-	U153	Methane, trichlorofluoro-
U039	4-Chloro-m-cresol	U024	Ethane, 1,1'-(methylenebis(oxy))bis[2-chloro-	U225	Methane, tribromo-
U041	1-Chloro-2,3-epoxypropane	U003	Ethanenitrile (I, T)	U044	Methane, trichloro-
U042	2-Chloroethyl vinyl ether	U117	Ethane, 1,1'-oxybis- (I)	U121	Methane, trichlorofluoro-
U044	Chloroform	U025	Ethane, 1,1'-oxybis[2-chloro-	U123	Methanoic acid (C,T)
U048	Chloromethyl methyl ether	U184	Ethane, pentachloro-	U036	4,7-Methanoindan, 1,2,4,5,6,7,8,8-octa-
U047	beta-Chloronaphthalene	U208	Ethane, 1,1,1,2-tetrachloro-	U154	Methanol (I)
U048	o-Chlorophenol	U209	Ethane, 1,1,2,2-tetrachloro-	U155	Methacrylene
U049	4-Chloro-o-toluidine, hydrochloride	U218	Ethanesulfonamide	U154	Methyl alcohol (I)
U032	Chromic acid, calcium salt	U227	Ethane, 1,1,2-trichloro-	U029	Methyl bromide
U050	Chrysene	U043	Ethene, chloro-	U186	1-Methylbutadiene (I)
U051	Cresote	U042	Ethene, 2-chloroethoxy-	U045	Methyl chloride (I,T)
U052	Cresols	U078	Ethene, 1,1-dichloro-	U158	Methyl chlorocarbonate (I,T)
U052	Cresylic acid	U079	Ethene, trans-1,2-dichloro-	U226	Methylchloroform
U053	Crotonaldehyde	U210	Ethene, 1,1,2,2-tetrachloro-	U157	3-Methylcholanthrene
U055	Cumene (I)	U173	Ethanol, 2,2'-(nitrosoimino)bis-	U158	4,4'-Methylenebis(2-chloroaniline)
U246	Cyanogen bromide	U004	Ethanone, 1-phenyl-	U132	2,2'-Methylenebis(3,4,6-trichlorophenol)
U197	1,4-Cyclohexadienedione	U006	Ethanoyl chloride (C,R,T)	U068	Methylene bromide
U056	Cyclohexane (I)	U112	Ethyl acetate (I)	U080	Methylene chloride
U057	Cyclohexanone (I)	U113	Ethyl acrylate (I)	U122	Methylene oxide
U130	1,3-Cyclopentadiene, 1,2,3,4,5,5-hexa-	U236	Ethyl carbamate (urethan)	U159	Methyl ethyl ketone (I,T)
U058	Cyclophosphamide	U038	Ethyl 4,4'-dichlorobenzilate	U160	Methyl ethyl ketone peroxide (R,T)
U240	2,44-D, salts and esters	U114	Ethylenebis(dithiocarbamic acid)	U138	Methyl iodide
U059	Daunomycin	U087	Ethylene dibromide	U181	Methyl isobutyl ketone (I)
U060	DDD	U077	Ethylene dichloride	U162	Methyl methacrylate (I,T)
U061	DDT	U115	Ethylene oxide (I,T)	U163	N-Methyl-N'-nitro-N-nitrosoguanidine
U142	Decachlorooctahydro-1,3,4-metheno-2H-cyclobuta[c,d]-pentalen-2-one	U116	Ethylene thiourea	U181	4-Methyl-2-pentanone (I)
U062	Diallate	U117	Ethyl ether (I)	U164	Methylthiourea
U133	Diamine (R,T)	U076	Ethylidene dichloride	U010	Mitomycin C
U221	Diaminotoluene	U118	Ethylmethacrylate	U059	5,12-Naphthacenedione, (8S-cis)-9-acetyl-
U063	Dibenz[a,h]anthracene	U119	Ethyl methanesulfonate	10-[(3-amino-2,3,6-trideoxy-alpha-L-xylo-	
U063	1,2,5,6-Dibenzanthracene	U139	Ferric dextran	hexopyranosyl)oxy]-7,8,9,10-tetrahydro-	
U084	1,2,7,8-Dibenzopyrene	U120	Fluoranthene	6,8,11-trihydroxy-1-methoxy-	
U064	Dibenz[a,l]pyrene	U122	Formaldehyde	U185	Naphthalene
U066	1,2-Dibromo-3-chloropropane	U123	Formic acid (C,T)	U047	Naphthalene, 2-chloro-
U069	Dibutyl phthalate	U124	Furan (I)	U168	1,4-Naphthalenedione
U062	S-(2,3-Dichloroethyl) diisopropylthiocarbamate	U125	2-Furancarboxaldehyde (I)	U236	2,7-Naphthalenedisulfonic acid, 3,3'-(3,3'-
U070	o-Dichlorobenzene	U147	2,5-Furandione	dimethyl-(1,1'-biphenyl)-4,4'-diyl)-bis	
U071	m-Dichlorobenzene	U213	Furan, tetrahydro- (I)	(azo)bis(5-amino-4-hydroxy)-, tetrasodium	
U072	p-Dichlorobenzene	U125	Furfural (I)	salt	
U073	3,3'-Dichlorobenzidine	U124	Furfuran (I)	U166	1,4-Naphthoquinone
U074	1,4-Dichloro-2-butene (I,T)	U206	D-Glucopyranose, 2-deoxy-2-(3-methyl-3-nitro-	U167	1-Naphthylamine
U075	Dichlorodifluoromethane	troscoualdol)	U168	2-Naphthylamine	
U192	3,5-Dichloro-N-(1,1-dimethyl-2-propenyl) benzamide	U126	Glycidylaldehyde	U167	alpha-Naphthylamine
U060	Dichloro diphenyl dichloroethane	U183	Guanidine, N-nitroso-N-methyl-N'-nitro-	U168	beta-Naphthylamine
U061	Dichloro diphenyl trichloroethane	U127	Hexachlorobenzene	U026	2-Naphthylamine, N,N'-bis(2-chloro-
U078	1,1-Dichloroethylene	U128	Hexachlorobutadiene	methoxy-	
U079	1,2-Dichloroethylene	U129	Hexachlorocyclohexane (gamma isomer)	U169	Nitrobenzene (I,T)
U025	Dichloroethyl ether	U130	Hexachlorocyclopentadiene	U170	p-Nitrophenol
U081	2,4-Dichlorophenol	U131	Hexachloroethane	U171	2-Nitropropane (I)
U082	2,6-Dichlorophenol	U132	Hexachlorophene	U172	N-Nitrosodi-n-butylamine
U240	2,4-Dichlorophenoxyacetic acid, salts and esters	U243	Hexachloropropene	U173	N-Nitrosodihydroxylamine
		U133	Hydrazine (R,T)	U174	N-Nitrosodiethylamine
		U086	Hydrazine, 1,2-diethyl-	U111	N-Nitroso-N-propylamine
		U098	Hydrazine, 1,1-dimethyl-	U176	N-Nitroso-N-ethylurea
		U099	Hydrazine, 1,2-dimethyl-	U177	N-Nitroso-N-methylurea
				U178	N-Nitroso-N-methylurethane



Hazardous Waste No.	Substance	Hazardous Waste No.	Substance
U179	N-Nitrosopiperidine	U153	Thiomethanol (I,T)
U180	N-Nitrosopyrrolidine	U219	Thiourea
U181	5-Nitro-o-toluidine	U244	Thiram
U193	1,2-Oxathiolane, 2,2-dioxide	U220	Toluene
U058	2-(1,3,2-Oxazaphosphorine, 2-[bis(2-chloro-ethyl)amino]tetrahydro-, oxide 2-	U221	Toluenediamine
U115	Oxirane (I,T)	U223	Toluene diisocyanate (R,T)
U041	Oxirane, 2-(chloromethyl)-	U222	O-Toluidine hydrochloride
U182	Paraldehyde	U011	1H-1,2,4-Triazol-3-amine
U183	Pentachlorobenzene	U226	1,1,1-Trichloroethane
U184	Pentachloroethane	U227	1,1,2-Trichloroethane
U185	Pentachloronitrobenzene	U228	Trichloroethane
U242	Pentachlorophenol	U228	Trichloroethylene
U186	1,3-Pentadiene (I)	U121	Trichloromonofluoromethane
U187	Phenacetin	U230	2,4,5-Trichlorophenol
U188	Phenol	U231	2,4,6-Trichlorophenol
U048	Phenol, 2-chloro-	U232	2,4,5-Trichlorophenoxyacetic acid
U039	Phenol, 4-chloro-3-methyl-	U234	sym-Trinitrobenzene (R,T)
U081	Phenol, 2,4-dichloro-	U182	1,3,5-Trioxane, 2,4,5-trimethyl-
U082	Phenol, 2,6-dichloro-	U235	Tris(2,3-dibromopropyl) phosphate
U101	Phenol, 2,4-dimethyl-	U236	Trypan blue
U170	Phenol, 4-nitro-	U237	Uracil, 5[bis(2-chloromethyl)amino]-
U242	Phenol, pentachloro-	U237	Uracil mustard
U212	Phenol, 2,3,4,6-tetrachloro-	U043	Vinyl chloride
U230	Phenol, 2,4,5-trichloro-	U239	Xylene (I)
U231	Phenol, 2,4,6-trichloro-	U200	Yohimban-16-carboxylic acid, 11,17-dimethoxy-18-[(3,4,5-trimethoxybenzoyloxy)-, methyl ester,
U137	1,10-(1,2-phenylene)pyrene		
U145	Phosphoric acid, Lead salt		
U087	Phosphorodithioic acid, O,O-diethyl-, S-methyl ester		
U189	Phosphorous sulfide (R)		
U190	Phthalic anhydride		
U191	2-Picoline		
U192	Pronamide		
U194	1-Propanamine (I,T)		
U110	1-Propanamine, N-propyl- (I)		
U066	Propane, 1,2-dibromo-3-chloro-		
U149	Propanedinitrile		
U171	Propane, 2-nitro- (I)		
U027	Propane, 2,2'-oxybis(2-chloro-		
U193	1,3-Propane sulfone		
U235	1-Propanol, 2,3-dibromo-, phosphate (3:1)		
U126	1-Propanol, 2,3-epoxy-		
U140	1-Propanol, 2-methyl- (I,T)		
U002	2-Propanone (I)		
U007	2-Propanamide		
U084	Propane, 1,3-dichloro-		
U243	1-Propane, 1,1,2,3,3,3-hexachloro-		
U009	2-Propanenitrile		
U152	2-Propanoic acid, 2-methyl- (I,T)		
U008	2-Propanoic acid (I)		
U113	2-Propanoic acid, ethyl ester (I)		
U118	2-Propanoic acid, 2-methyl-, ethyl ester		
U162	2-Propanoic acid, 2-methyl-, methyl ester (I,T)		
U233	Propionic acid, 2-(2,4,5-trichlorophenoxy)-		
U194	a-Propylamine (I,T)		
U083	Propylene dichloride		
U196	Pyridine		
U155	Pyridine, 2-[(2-(dimethylamino)-2-thenylamino)-		
U179	Pyridine, hexahydro-N-nitroso-		
U191	Pyridine, 2-methyl-		
U164	4(1H)-Pyridinone, 2,3-dihydro-6-methyl-2-thio-		
U180	Pyrolic, tetrahydro-N-nitroso-		
U200	Reserpine		
U201	Resorcinol		
U202	Saccharin and salts		
U203	Safrole		
U204	Selenious acid		
U204	Selenium dioxide		
U205	Selenium disulfide (R,T)		
U015	L-Serine, diacetate (ester)		
U233	Silvex		
U089	4,4'-Stilbenediol, alpha, alpha'-diethyl-		
U206	Streptozotocin		
U135	Sulfur hydride		
U103	Sulfuric acid, dimethyl ester		
U189	Sulfur phosphide (R)		
U205	Sulfur sesquioxide (R,T)		
U232	2,4,5-T		
U207	1,2,4,5-Tetrachlorobenzene		
U206	1,1,1,2-Tetrachloroethane		
U209	1,1,2,2-Tetrachloroethane		
U210	Tetrachloroethylene		
U212	2,3,4,6-Tetrachlorophenol		
U213	Tetrahydrofuran (I)		
U214	Thallium(I) acetate		
U215	Thallium(I) carbonate		
U216	Thallium(I) chloride		
U217	Thallium(I) nitrate		
U218	Thioacetamide		

Appendix VIII [Amended]
 2. In Appendix VIII of Part 261, delete the following compounds:
 -Ethylenediamine
 -N-Nitrosodiphenylamine
 -Oleyl alcohol condensed with 2 moles ethylene oxide
 -1,2 Propanediol

Appendix VIII [Amended]
 3. In Appendix VIII of Part 261, add the following constituent alphabetically:
 -Iso butyl alcohol
 These regulations are issued under the authority of Sections 1006, 2002(a) and 3001 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976 (RCRA), as amended, 42 USC 6905, 6912(a) and 6921.

[FR Doc. 80-36865 Filed 11-21-80; 2:51 pm]
 FEDERAL REGISTER CODE 6560-30-M

40 CFR Part 261
[SWH-FRL 1680-5]

Hazardous Waste Management System; Identification and Listing of Hazardous Waste

AGENCY: U.S. Environmental Protection Agency.
ACTION: Grant of temporary exclusions and request for comment.

SUMMARY: The Environmental Protection Agency (EPA) is today temporarily excluding solid wastes generated at several particular generating facilities from hazardous waste status. These temporary exclusions respond to delisting petitions submitted under 40 CFR 260.20 and 260.22 and are granted pursuant to 40 CFR 260.22(m). The effect of this action is to temporarily exclude certain wastes generated at these facilities from listing as hazardous

wastes under 40 CFR 261, and from the management standards issued by EPA under Sections 3002 through 3006 of RCRA (40 CFR Parts 262 through 265 and 122 through 124 of this Chapter).

DATES: Effective date: November 19, 1980.

EPA will accept public comments on these temporary exclusions until January 28, 1981. Any person may request a hearing on these temporary exclusions by filing a request with John P. Lehman, whose address appears below, by December 17, 1980. The request must contain the information prescribed in § 260.20(d) of this chapter.

ADDRESSES: Comments should be sent to the Docket Clerk, Office of Solid Waste (WH-562), U.S. Environmental Protection Agency, 401 M Street, S.W., Washington, D.C. 20460.

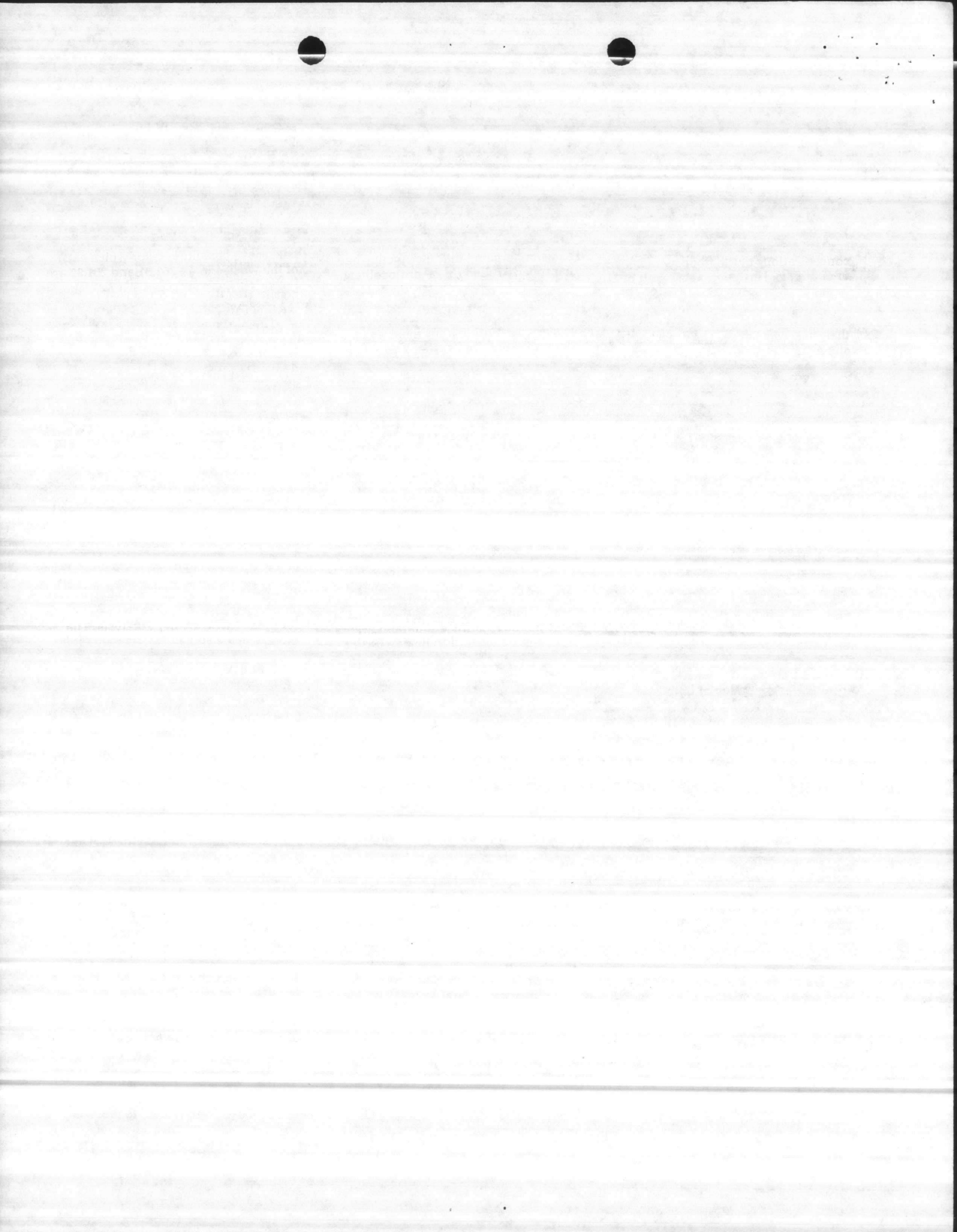
Requests for hearing should be addressed to John P. Lehman, Director, Hazardous and Industrial Waste Division, Office of Solid Waste (WH-565), U.S. Environmental Protection Agency, Washington, D.C. 20460. Communications should identify the regulatory docket number "Section 3001/Delisting Petitions."

The public docket for these temporary exclusions is located in Room 2711, U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C. 20460 and is available for viewing from 9 a.m. to 4 p.m., Monday through Friday, excluding holidays.

FOR FURTHER INFORMATION CONTACT: Myles Morse, Office of Solid Waste (WH-565), U.S. Environmental Protection Agency, 401 M St., S.W., Washington, D.C., (202) 755-9187.

SUPPLEMENTARY INFORMATION: On July 16, 1980 and November 12, 1980 as part of its final and interim final regulations implementing Section 3001 of RCRA, EPA published lists of hazardous wastes from non-specific and from specific sources. See 40 CFR §§ 261.31 and 261.32 (45 FR 47832-47836 and 74890-74892). These wastes were listed as hazardous because they typically and frequently exhibit either any of the characteristics of hazardous wastes identified in Subpart C of Part 261 (ignitability, corrosivity, reactivity and EP toxicity) or meet the criteria for listing contained in §§ 261.11(a)(2) or 261.11(a)(3).

The Agency, however, recognizes that individual waste streams may vary depending on raw materials, industrial processes and other factors. Thus, while a type of waste described in these regulations generally is hazardous, a specific waste meeting the listing description from an individual facility may not be hazardous. For this reason,



Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
F005	The following spent non-halogenated solvents: toluene, methyl ethyl ketone, carbon disulfide, isobutanol, and pyridine; and the still bottoms from the recovery of these solvents.	(I, T)
F006	Wastewater treatment sludges from electroplating operations except from the following processes: (1) sulfuric acid anodizing of aluminum; (2) tin plating on carbon steel; (3) zinc plating (segregated basis) on carbon steel; (4) aluminum or zinc-aluminum plating on carbon steel; (5) cleaning/stripping associated with tin, zinc and aluminum plating on carbon steel; and (6) chemical etching and milling of aluminum.	(T)
F019	Wastewater treatment sludges from the chemical conversion coating of aluminum	(T)
F007	Spent cyanide plating bath solutions from electroplating operations (except for precious metals electroplating spent cyanide plating bath solutions).	(R, T)
F008	Plating bath sludges from the bottom of plating baths from electroplating operations where cyanides are used in the process (except for precious metals electroplating plating bath sludges).	(R, T)
F009	Spent stripping and cleaning bath solutions from electroplating operations where cyanides are used in the process (except for precious metals electroplating spent stripping and cleaning bath solutions).	(R, T)
F010	Quenching bath sludge from oil baths from metal heat treating operations where cyanides are used in the process (except for precious metals heat-treating quenching bath sludges).	(R, T)
F011	Spent cyanide solutions from salt bath pot cleaning from metal heat treating operations (except for precious metals heat treating spent cyanide solutions from salt bath pot cleaning).	(R, T)
F012	Quenching wastewater treatment sludges from metal heat treating operations where cyanides are used in the process (except for precious metals heat treating quenching wastewater treatment sludges).	(T)
F014	Cyanidation wastewater treatment tailing pond sediment from mineral metals recovery operations	(T)
F015	Spent cyanide bath solutions from mineral metals recovery operations	(R, T)

3. Revise § 261.32 to read as follows:

§ 261.32 Hazardous waste from specific sources.

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
Wood Preservation:		
K001	Bottom sediment sludge from the treatment of wastewaters from wood preserving processes that use creosote and/or pentachlorophenol	(T)
Inorganic Pigments:		
K002	Wastewater treatment sludge from the production of chrome yellow and orange pigments	(T)
K003	Wastewater treatment sludge from the production of molybdate orange pigments	(T)
K004	Wastewater treatment sludge from the production of zinc yellow pigments	(T)
K005	Wastewater treatment sludge from the production of chrome green pigments	(T)
K006	Wastewater treatment sludge from the production of chrome oxide green pigments (anhydrous and hydrated)	(T)
K007	Wastewater treatment sludge from the production of iron blue pigments	(T)
K008	Oven residue from the production of chrome oxide green pigments	(T)
Organic Chemicals:		
K009	Distillation bottoms from the production of acetaldehyde from ethylene	(T)
K010	Distillation side cuts from the production of acetaldehyde from ethylene	(T)
K011	Bottom stream from the wastewater stripper in the production of acrylonitrile	(R, T)
K013	Bottom stream from the acetonitrile column in the production of acrylonitrile	(R, T)
K014	Bottoms from the acetonitrile purification column in the production of acrylonitrile	(T)
K015	Still bottoms from the distillation of benzyl chloride	(T)
K016	Heavy ends or distillation residues from the production of carbon tetrachloride	(T)
K017	Heavy ends (still bottoms) from the purification column in the production of epichlorohydrin	(T)
K018	Heavy ends from the fractionation column in ethyl chloride production	(T)
K019	Heavy ends from the distillation of ethylene dichloride in ethylene dichloride production	(T)
K020	Heavy ends from the distillation of vinyl chloride in vinyl chloride monomer production	(T)
K021	Aqueous spent antimony catalyst waste from fluoromethanes production	(T)
K022	Distillation bottom tars from the production of phenol/acetone from cumene	(T)
K023	Distillation light ends from the production of phthalic anhydride from naphthalene	(T)
K024	Distillation bottoms from the production of phthalic anhydride from naphthalene	(T)
K093	Distillation light ends from the production of phthalic anhydride from ortho-xylene	(T)
K094	Distillation bottoms from the production of phthalic anhydride from ortho-xylene	(T)
K025	Distillation bottoms from the production of nitrobenzene by the nitration of benzene	(T)
K026	Stripping still tails from the production of methyl ethyl pyridine	(R, T)
K027	Centrifuge and distillation residues from toluene diisocyanate production	(T)
K028	Spent catalyst from the hydrochlorinator reactor in the production of 1,1,1-trichloroethane	(T)
K029	Waste from the product steam stripper in the production of 1,1,1-trichloroethane	(T)
K095	Distillation bottoms from the production of 1,1,1-trichloroethane	(T)
K096	Heavy ends from the heavy ends column from the production of 1,1,1-trichloroethane	(T)
K030	Column bottoms or heavy ends from the combined production of trichloroethylene and perchloroethylene	(T)
K083	Distillation bottoms from aniline production	(T)
K103	Process residues from aniline extraction from the production of aniline	(T)
K104	Combined wastewater streams generated from nitrobenzene/aniline production	(T)
K085	Distillation or fractionation column bottoms from the production of chlorobenzenes	(T)
K105	Separated aqueous stream from the reactor product washing step in the production of chlorobenzenes	(T)
Inorganic Chemicals:		
K071	Brine purification muds from the mercury cell process in chlorine production, where separately prepurified brine is not used	(T)
K073	Chlorinated hydrocarbon waste from the purification step of the diaphragm cell process using graphite anodes in chlorine production	(T)
K106	Wastewater treatment sludge from the mercury cell process in chlorine production	(T)
Pesticides:		
K031	By-product salts generated in the production of MSMA and cacodylic acid	(T)
K032	Wastewater treatment sludge from the production of chlordane	(T)
K033	Wastewater and scrub water from the chlorination of cyclopentadiene in the production of chlordane	(T)
K034	Filter solids from the filtration of hexachlorocyclopentadiene in the production of chlordane	(T)
K087	Vacuum stripper discharge from the chlordane chlorinator in the production of chlordane	(T)
K035	Wastewater treatment sludges generated in the production of creosote	(T)
K036	Still bottoms from toluene reclamation distillation in the production of disulfoton	(T)
K037	Wastewater treatment sludges from the production of disulfoton	(T)
K038	Wastewater from the washing and stripping of phorate production	(T)
K039	Filter cake from the filtration of diethylphosphorodithioic acid in the production of phorate	(T)
K040	Wastewater treatment sludge from the production of phorate	(T)



number of wastes from both gray and ductile iron foundries, namely lead bearing wastewater treatment sludges from gray iron foundries, and emission control dust from gray and ductile iron foundry cupola furnaces (see discussion in 45 FR 47835, July 16, 1980). These wastes were proposed for listing since they were shown in certain cases to contain or release significant concentrations of the toxic metals lead or cadmium. However, as a result of industry comment, the Agency undertook further study of these wastes, beginning last summer, to determine their hazardousness. The report of this study is expected to be available for public comment in the near future. After evaluating this data and the public comments received, the Agency will consider the hazards posed by various wastes from foundry operations. We are, accordingly, deferring final action on these wastes. (All of these wastes are hazardous, of course, if they exhibit any of the characteristics of hazardous waste, and generators of these wastes are obligated to make this determination.)

(3) Wastes From the Use and Manufacture of Paints (EPA Hazardous Waste Nos. F017, F018, K078, K079, K081, and K082).

Many comments were received from various trade organizations and interested individuals, who objected to the listing of these paint wastes.

In general, most commenters criticized the waste listings as overly broad, resulting in regulation of both hazardous and non-hazardous paint wastes. In re-evaluating the data, the Agency agrees that further study of these wastes is needed before a final listing can be promulgated. We anticipate that our re-examination of paint wastes will be completed by the Spring of 1981. The Agency therefore has decided to suspend temporarily the interim final listings of these paint wastes. Paint wastes which exhibit any of the hazardous waste characteristics remain subject to Subtitle C controls.

G. Response to Comments Criticising the Agency's Decision to Defer Temporarily Listings of Waste Streams

from the Woven Fabric Dyeing and Finishing Industry

The Agency indicated in the preamble to the July 16, interim final regulations that it was deferring temporarily listing of wastewater treatment sludges from the woven fabric dyeing and finishing industry (45 FR at 47832-47833).

One commenter objected to this decision, arguing that the Agency had improperly relied on EP protocol test data to evaluate the migratory potential of organic contaminants in these wastes. The commenter further stated that there is no documentation for the Agency's determination that chromium (which had been cited as a waste constituent of concern) is used in the manufacturing process in insignificant amounts. The commenter also felt that data submitted by industry sufficiently supports listing of these wastes as hazardous.

The Agency agrees with the commenter that the EP test may not be an appropriate measure of the potential for migration of all organic contaminants. Therefore, in evaluating the potential mobility of organic contaminants in textile waste, the Agency did not nor will it rely on the EP test to determine the potential mobility of possible organic waste constituents. In evaluating all the data currently in its possession, the Agency believes that it does not have sufficient data to assess the potential hazard to human health and the environment that would be presented by these wastes if improperly managed. The Agency, however, is still very concerned with the potential hazards that may be presented by these wastes, and therefore still intends to study further the wastes generated by the textile industry, paying particular attention to the many toxic organic constituents used in the production process such as dyes and pigments derived from benzidine, o-dianisidine, o-tolidine, and 3,3'-dichlorobenzidine, as well as acrylonitrile, trichlorobenzene, bis-(2-ethyl hexylphthalate), flame retardants and other additives.

With respect to the commenter's concern as to the lack of documentation on the use of chromium compounds in the textiles industry, the Agency not

only was provided this information by industry, but possessed corroborating data in its own files. However, the Agency will reevaluate this information when further studying these wastes.

III. Finalization of Appendix VII to Part 261

Appendix VII to Part 261 sets forth the hazardous constituents for which each of the wastes in §§ 261.31 and 261.32 are listed. This appendix has been amended to reflect changes made in the underlying listings, and is being finalized in this revised form.

IV. Economic, Environmental and Regulatory Impacts

In accordance with Executive Order 11821, as amended by Executive Order 11949 and Executive Order 12044, EPA has prepared an Economic Impact Analysis of the hazardous waste program promulgated on May 19, 1980. The net effect of today's action reduces the overall cost, economic impact, and reporting and recording impact of EPA's hazardous waste management regulations, since the overall scope of Subtitle C jurisdiction is being reduced. Since this action will decrease the regulatory impact of the Subtitle C regulatory program, we have not prepared a new Economic Impact Analysis or Regulatory Analysis. The Agency has also voluntarily prepared an Environmental Impact Statement on the program under the National Environmental Policy Act, 42 U.S.C. 4321 et seq.

(Sec. 3001 of the Resource Conservation and Recovery Act)

Dated: January 13, 1981.

Douglas M. Costle,
Administrator.

For the reasons and as set out in the preamble, 40 CFR Part 261 is amended as follows:

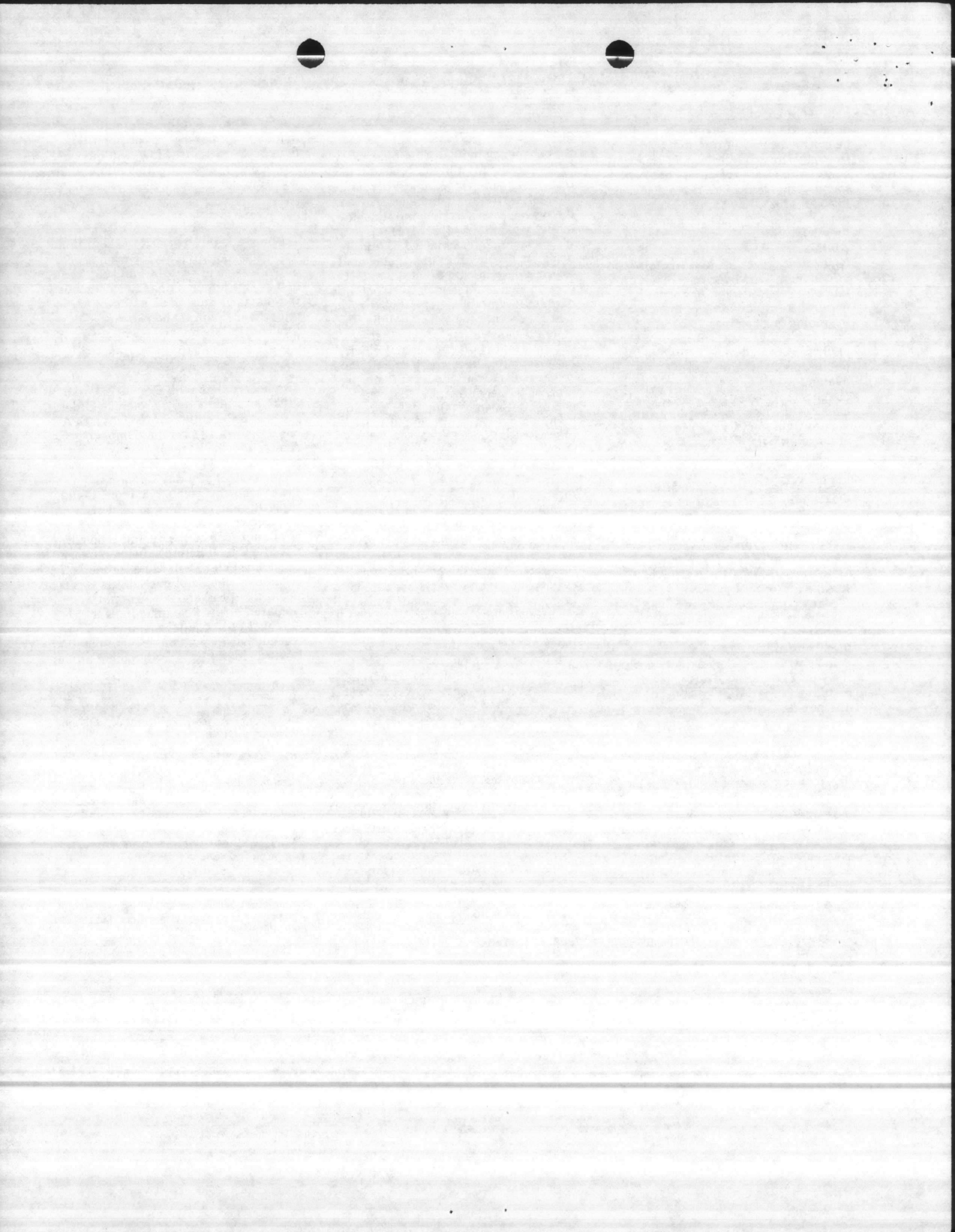
1. The authority citation for Part 261 reads as follows:

Authority: Secs. 1006, 2002(a), 3001, and 3002 of the Solid Waste Disposal Act, as amended by the Resource Conservation and Recovery Act of 1976, as amended (42 U.S.C. 6905, 6912, 6921 and 6922).

2. Revise § 261.31 to read as follows:

§ 261.31 Hazardous waste from nonspecific sources.

Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
Generic:		
F001	The following spent halogenated solvents used in degreasing: tetrachloroethylene, trichloroethylene, methylene chloride, 1,1,1-trichloroethane, carbon tetrachloride, and chlorinated fluorocarbons; and sludges from the recovery of these solvents in degreasing operations.	(T)
F002	The following spent halogenated solvents: tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, and trichlorofluoromethane; and the still bottoms from the recovery of these solvents.	(T)
F003	The following spent non-halogenated solvents: xylene, acetone, ethyl acetate, ethyl benzene, ethyl ether, methyl isobutyl ketone, n-butyl alcohol, cyclohexanone, and methanol; and the still bottoms from the recovery of these solvents.	(I)
F004	The following spent non-halogenated solvents: cresols and cresylic acid, and nitrobenzene; and the still bottoms from the recovery of these solvents.	(T)



Industry and EPA hazardous waste No.	Hazardous waste	Hazard code
K041	Wastewater treatment sludge from the production of toxaphene	(T)
K098	Untreated process wastewater from the production of toxaphene	(T)
K042	Heavy ends or distillation residues from the distillation of tetrachlorobenzene in the production of 2,4,5-T	(T)
K043	2,6-Dichlorophenol waste from the production of 2,4-D	(T)
K099	Untreated wastewater from the production of 2,4-D	(T)
Explosives:		
K044	Wastewater treatment sludges from the manufacturing and processing of explosives	(R)
K045	Spent carbon from the treatment of wastewater containing explosives	(R)
K046	Wastewater treatment sludges from the manufacturing, formulation and loading of lead-based initiating compounds	(R)
K047	Pink/red water from TNT operations	(R)
Petroleum Refining:		
K048	Dissolved air flotation (DAF) float from the petroleum refining industry	(T)
K049	Slip oil emulsion solids from the petroleum refining industry	(T)
K050	Heat exchanger bundle cleaning sludge from the petroleum refining industry	(T)
K051	API separator sludge from the petroleum refining industry	(T)
K052	Tank bottoms (lead) from the petroleum refining industry	(T)
Iron and Steel:		
K061	Emission control dust/sludge from the primary production of steel in electric furnaces	(T)
K062	Spent pickle liquor from steel finishing operations	(C, T)
Primary Copper:		
K064	Acid plant blowdown slurry/sludge resulting from the thickening of blowdown slurry from primary copper production	(T)
Primary Lead:		
K065	Surface impoundment solids contained in and dredged from surface impoundments at primary lead smelting facilities	(T)
Primary Zinc:		
K066	Sludge from treatment of process wastewater and/or acid plant blowdown from primary zinc production	(T)
K067	Electrolytic anode slimes/sludges from primary zinc production	(T)
K068	Cadmium plant leachate residue (iron oxide) from primary zinc production	(T)
Secondary Lead:		
K069	Emission control dust/sludge from secondary lead smelting	(T)
K100	Waste leaching solution from acid leaching of emission control dust/sludge from secondary lead smelting	(T)
Veterinary Pharmaceuticals:		
K084	Wastewater treatment sludges generated during the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	(T)
K101	Distillation tar residues from the distillation of aniline-based compounds in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	(T)
K102	Residue from the use of activated carbon for decolorization in the production of veterinary pharmaceuticals from arsenic or organo-arsenic compounds	(T)
Ink Formulation:		
K086	Solvent washes and sludges, caustic washes and sludges, or water washes and sludges from cleaning tubs and equipment used in the formulation of ink from pigments, driers, soaps, and stabilizers containing chromium and lead	(T)
Coking:		
K060	Ammonia still lime sludge from coking operations	(T)
K087	Decanter tank tar sludge from coking operations	(T)

Part 261, Appendix [Amended]

4. Revise Appendix VII to Part 261 to read as follows:

Appendix VII—Basis for Listing Hazardous Waste

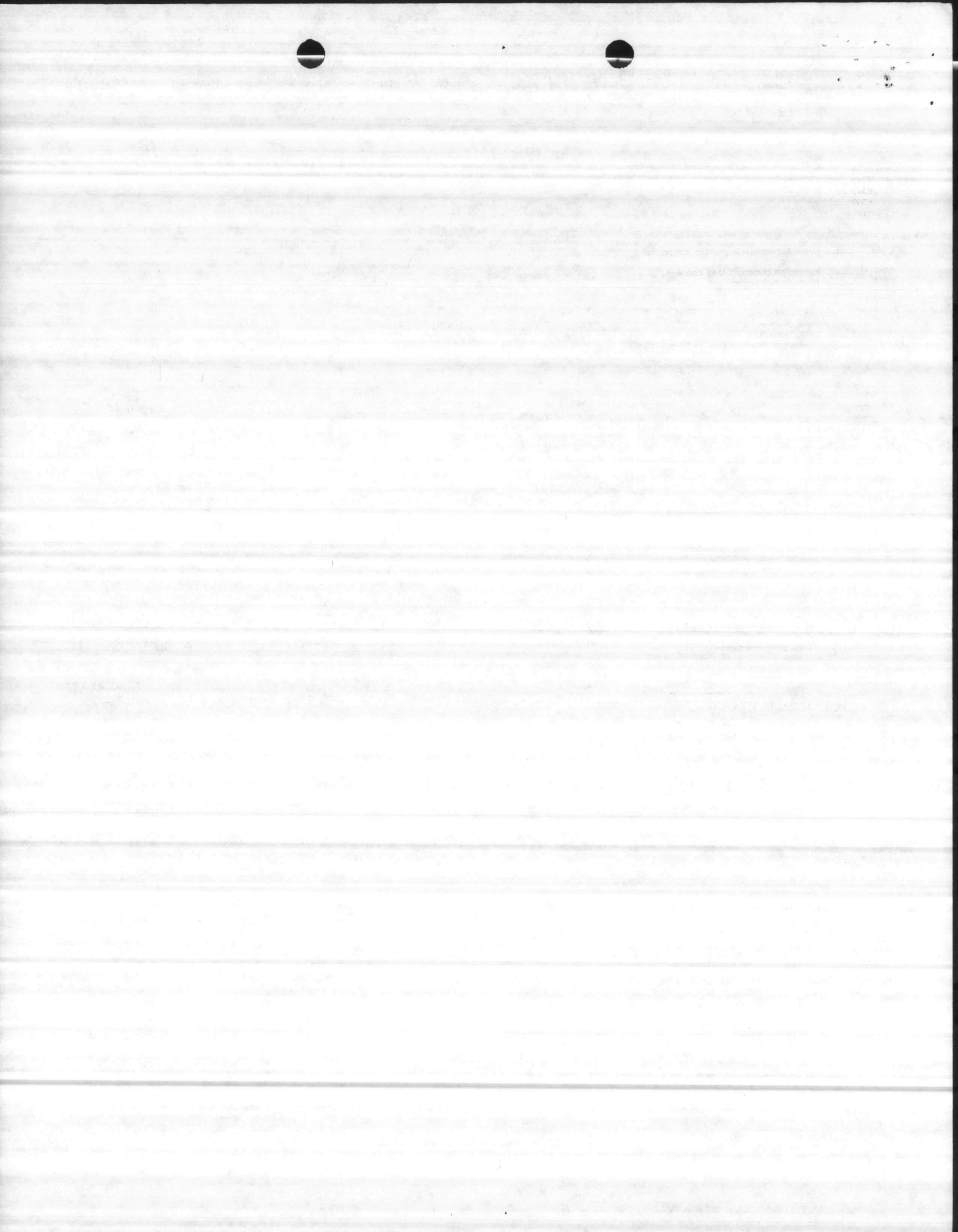
EPA hazardous waste No.	Hazardous constituents for which listed
F001	Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, carbon tetrachloride, chlorinated fluorocarbons.
F002	Tetrachloroethylene, methylene chloride, trichloroethylene, 1,1,1-trichloroethane, chlorobenzene, 1,1,2-trichloro-1,2,2-trifluoroethane, ortho-dichlorobenzene, trichlorofluoromethane.
F003	N.A.
F004	Cresols and cresylic acid, nitrobenzene.
F005	Toluene, methyl ethyl ketone, carbon disulfide, isobutanol, pyridine.
F006	Cadmium, hexavalent chromium, nickel, cyanide (complexed).
F007	Cyanide (salts).
F008	Cyanide (salts).
F009	Cyanide (salts).
F010	Cyanide (salts).
F011	Cyanide (salts).
F012	Cyanide (complexed).
F014	Cyanide (complexed).
F015	Cyanide (salts).
F019	Hexavalent chromium, cyanide (complexed).
K001	Pentachlorophenol, phenol, 2-chlorophenol, p-chloro-m-cresol, 2,4-dimethylphenyl, 2,4-dinitrophenol, trichlorophenols, tetrachlorophenols, 2,4-dinitrophenol, cresosote, chrysene, naphthalene, fluoranthene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, benz(a)anthracene, dibenz(a)anthracene, acenaphthalene.
K002	Hexavalent chromium, lead
K003	Hexavalent chromium, lead.

Appendix VII—Basis for Listing Hazardous Waste—Continued

EPA hazardous waste No.	Hazardous constituents for which listed
K004	Hexavalent chromium.
K005	Hexavalent chromium, lead.
K006	Hexavalent chromium.
K007	Cyanide (complexed), hexavalent chromium.
K008	Hexavalent chromium.
K009	Chloroform, formaldehyde, methylene chloride, methyl chloride, paraaldehyde, formic acid.
K010	Chloroform, formaldehyde, methylene chloride, methyl chloride, paraaldehyde, formic acid, chloroacetaldehyde.
K011	Acrylonitrile, acetonitrile, hydrocyanic acid.
K013	Hydrocyanic acid, acrylonitrile, acetonitrile.
K014	Acetonitrile, acrylamide.
K015	Benzyl chloride, chlorobenzene, toluene, benzotrifluoride.
K016	Hexachlorobenzene, hexachlorobutadiene, carbon tetrachloride, hexachloroethane, perchloroethylene.
K017	Epichlorohydrin, chloroethers [bis(chloromethyl) ether and bis (2-chloroethyl) ethers], trichloropropane, dichloropropanols.
K018	1,2-dichloroethane, trichloroethylene, hexachlorobutadiene, hexachlorobenzene.
K019	Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride.
K020	Ethylene dichloride, 1,1,1-trichloroethane, 1,1,2-trichloroethane, tetrachloroethanes (1,1,2,2-tetrachloroethane and 1,1,1,2-tetrachloroethane), trichloroethylene, tetrachloroethylene, carbon tetrachloride, chloroform, vinyl chloride, vinylidene chloride.
K021	Antimony, carbon tetrachloride, chloroform.

Appendix VII—Basis for Listing Hazardous Waste—Continued

EPA hazardous waste No.	Hazardous constituents for which listed
K022	Phenol, tars (polycyclic aromatic hydrocarbons).
K023	Phthalic anhydride, maleic anhydride.
K024	Phthalic anhydride, 1,4-naphthoquinone.
K025	Meta-dinitrobenzene, 2,4-dinitrotoluene.
K026	Paraaldehyde, pyridines, 2-picoline.
K027	Toluene diisocyanate, toluene-2,4-diamine.
K028	1,1,1-trichloroethane, vinyl chloride.
K029	1,2-dichloroethane, 1,1,1-trichloroethane, vinyl chloride, vinylidene chloride, chloroform.
K030	Hexachlorobenzene, hexachlorobutadiene, hexachloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane, ethylene dichloride.
K031	Arsenic.
K032	Hexachlorocyclopentadiene.
K033	Hexachlorocyclopentadiene.
K034	Hexachlorocyclopentadiene.
K035	Creosote, chrysene, naphthalene, fluoranthene, benzo(b) fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd) pyrene, benzo(a)anthracene, dibenzo(a)anthracene, acenaphthalene.
K036	Toluene, phosphorodithioic and phosphoro-thioic acid esters.
K037	Toluene, phosphorodithioic and phosphoro-thioic acid esters.
K038	Phorate, formaldehyde, phosphorodithioic and phosphoro-thioic acid esters.
K039	Phosphorodithioic and phosphoro-thioic acid esters.
K040	Phorate, formaldehyde, phosphorodithioic and phosphoro-thioic acid esters.
K041	Toxaphene.
K042	Hexachlorobenzene, ortho-dichlorobenzene.
K043	2,4-dichlorophenol, 2,6-dichlorophenol, 2,4,6-trichlorophenol.
K044	N.A.
K045	N.A.
K046	Lead.



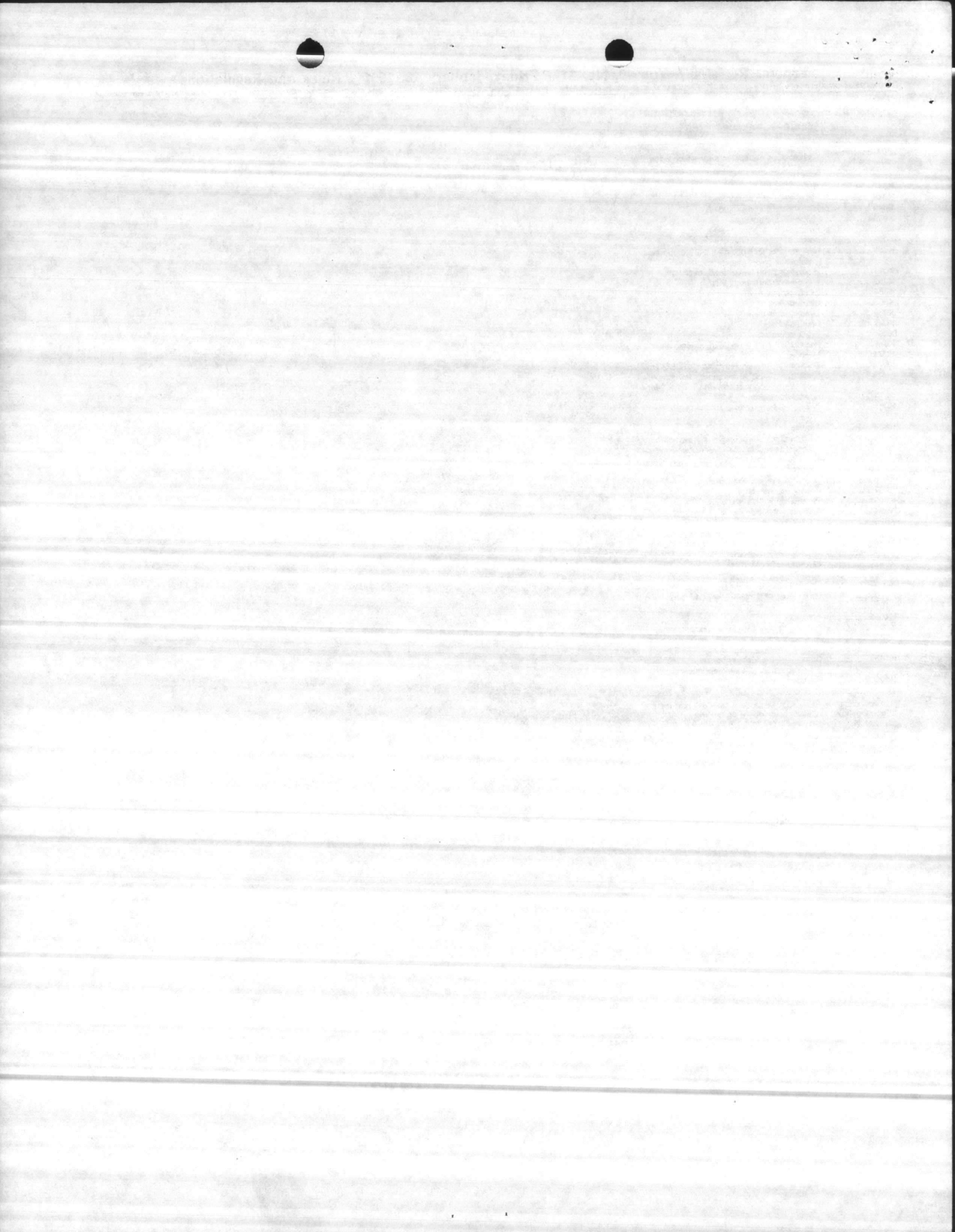
Appendix VII—Basis for Listing Hazardous Waste—Continued

EPA hazardous waste No.	Hazardous constituents for which listed
K047.....	N.A.
K048.....	Hexavalent chromium, lead.
K049.....	Hexavalent chromium, lead.
K050.....	Hexavalent chromium.
K051.....	Hexavalent chromium, lead.
K052.....	Lead.
K060.....	Cyanide, naphthalene, phenolic compounds, arsenic.
K061.....	Hexavalent chromium, lead, cadmium.
K062.....	Hexavalent chromium, lead.
K064.....	Lead, cadmium.
K065.....	Lead, cadmium.
K066.....	Lead, cadmium.
K067.....	Lead, cadmium.
K068.....	Lead, cadmium.
K069.....	Hexavalent chromium, lead, cadmium.
K071.....	Mercury.
K073.....	Chloroform, carbon tetrachloride, hexachloroethane, trichloroethane, tetrachloroethylene, dichloroethylene, 1,1,2,2-tetrachloroethane.
K083.....	Aniline, diphenylamine, nitrobenzene, phenylenediamine.
K084.....	Arsenic.
K085.....	Benzene, dichlorobenzenes, trichlorobenzenes, tetrachlorobenzenes, pentachlorobenzene, hexachlorobenzene, benzyl chloride.
K086.....	Lead, hexavalent chromium.
K087.....	Phenol, naphthalene.
K093.....	Phthalic anhydride, maleic anhydride.
K094.....	Phthalic anhydride.
K095.....	1,1,2-trichloroethane, 1,1,1,2-tetrachloroethane, 1,1,2,2-tetrachloroethane.
K096.....	1,2-dichloroethane, 1,1,1-trichloroethane, 1,1,2-trichloroethane.
K097.....	Chlordane, heptachlor.
K098.....	Toxaphene.
K099.....	2,4-dichlorophenol, 2,4,6-trichlorophenol.
K100.....	Hexavalent chromium, lead, cadmium.
K101.....	Arsenic.
K102.....	Arsenic.
K103.....	Aniline, nitrobenzene, phenylenediamine.
K104.....	Aniline, benzene, diphenylamine, nitrobenzene, phenylenediamine.
K105.....	Benzene, monochlorobenzene, dichlorobenzenes, 2,4,6-trichlorophenol.
K106.....	Mercury.

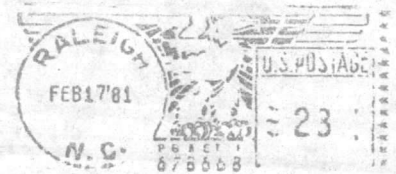
N.A.—Waste is hazardous because it fails the test for the characteristic of ignitability, corrosivity, or reactivity.

[FR Doc. 81-1060 Filed 1-15-81; 8:45 am]

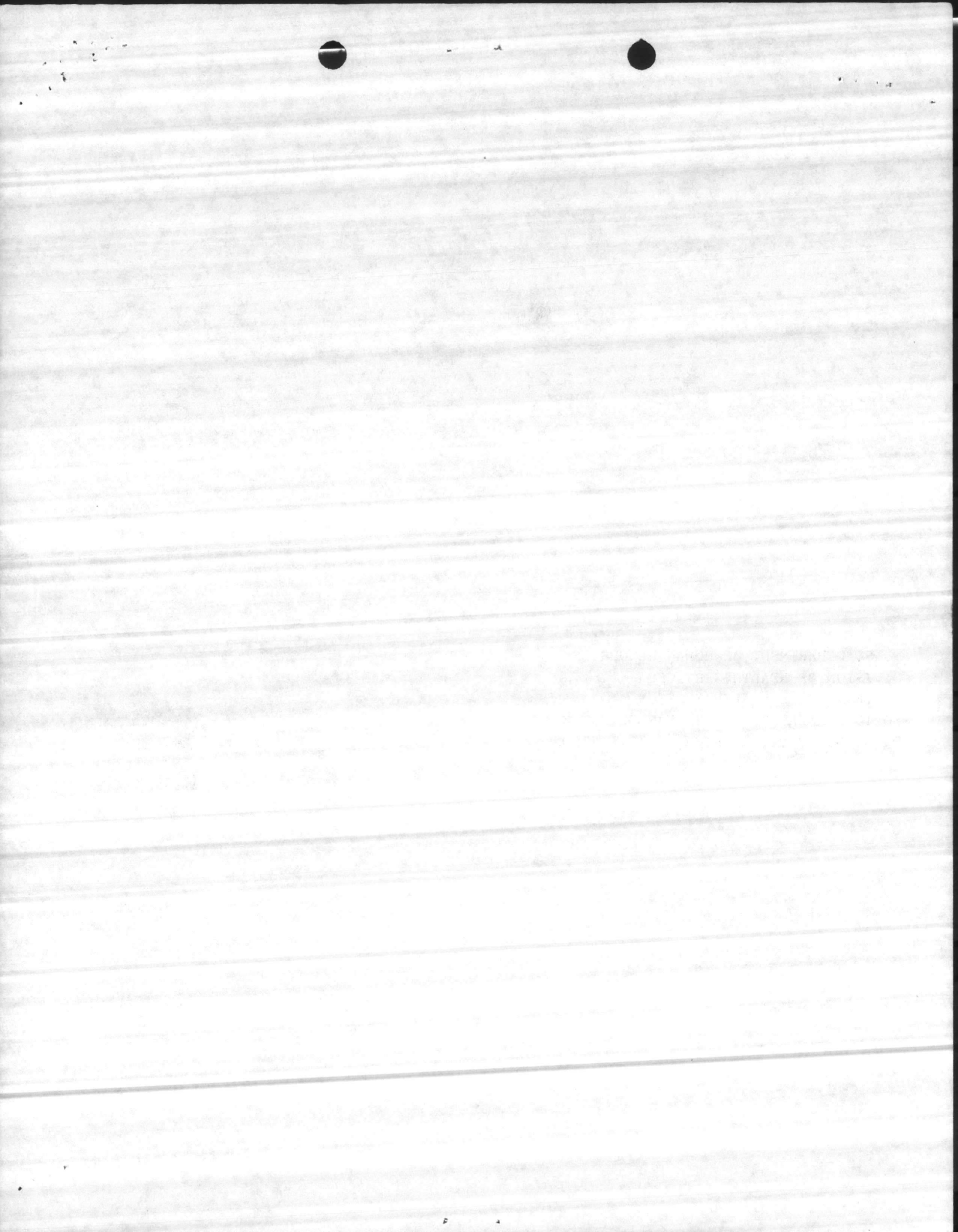
BILLING CODE 6560-30-M



N. C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
ENVIRONMENTAL HEALTH SECTION
SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH
P. O. BOX 2091, RALEIGH, N. C. 27602



Marine Corps Base Camp Lejeune
N. C. Hwy. 24 and U. S. Hwy. 16
Camp Lejeune, NC 28542



NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
BASE MAINTENANCE DEPARTMENT
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

5 March 81

From: Director, NREA Division

To:

BMD

Subj:

attached for your info

1.

*Maj Maripoti has requested
a copy of attached.*

Julian

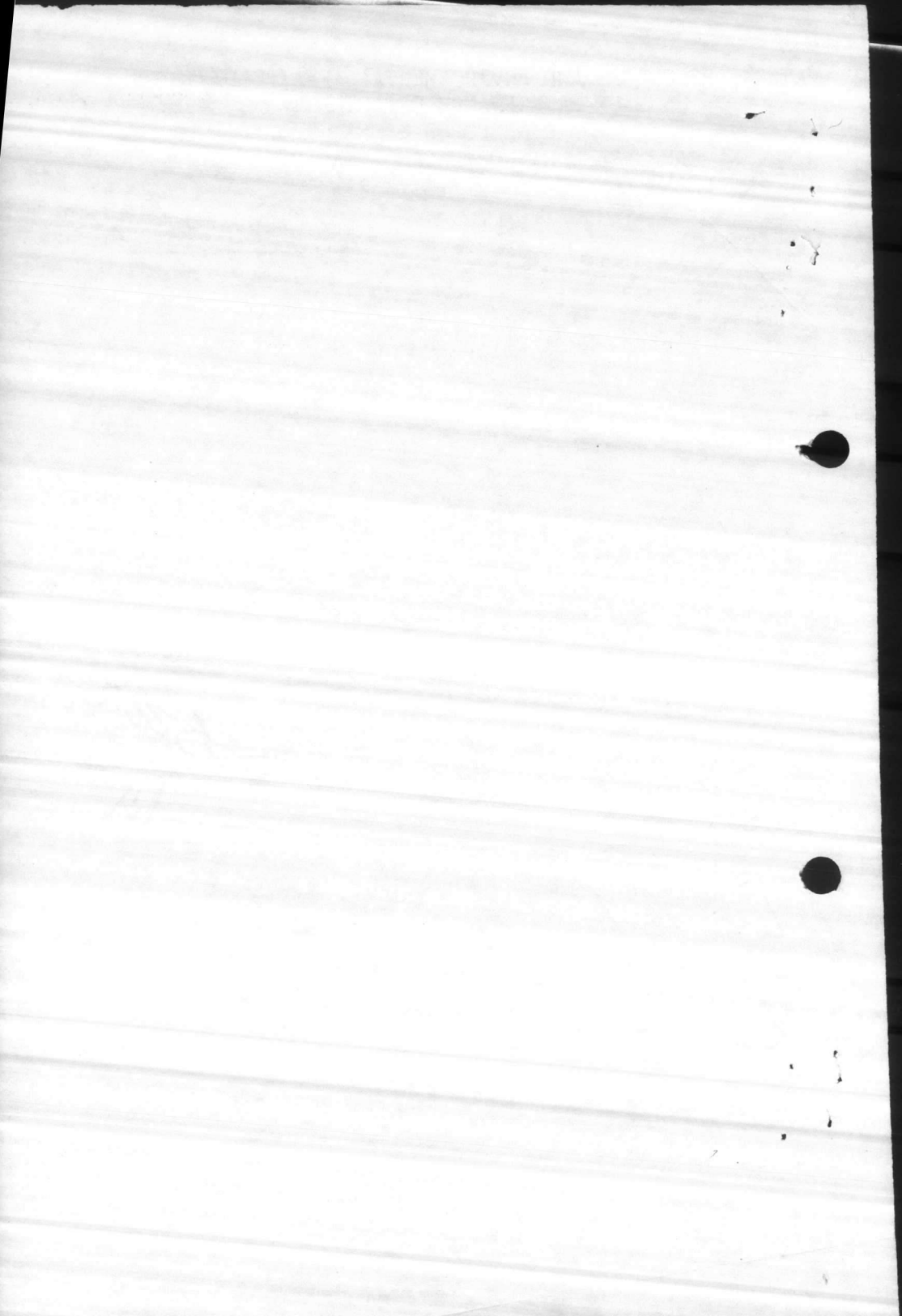
BWR

M

*Done of
I sent Maj Maripoti a*

copy

Julian

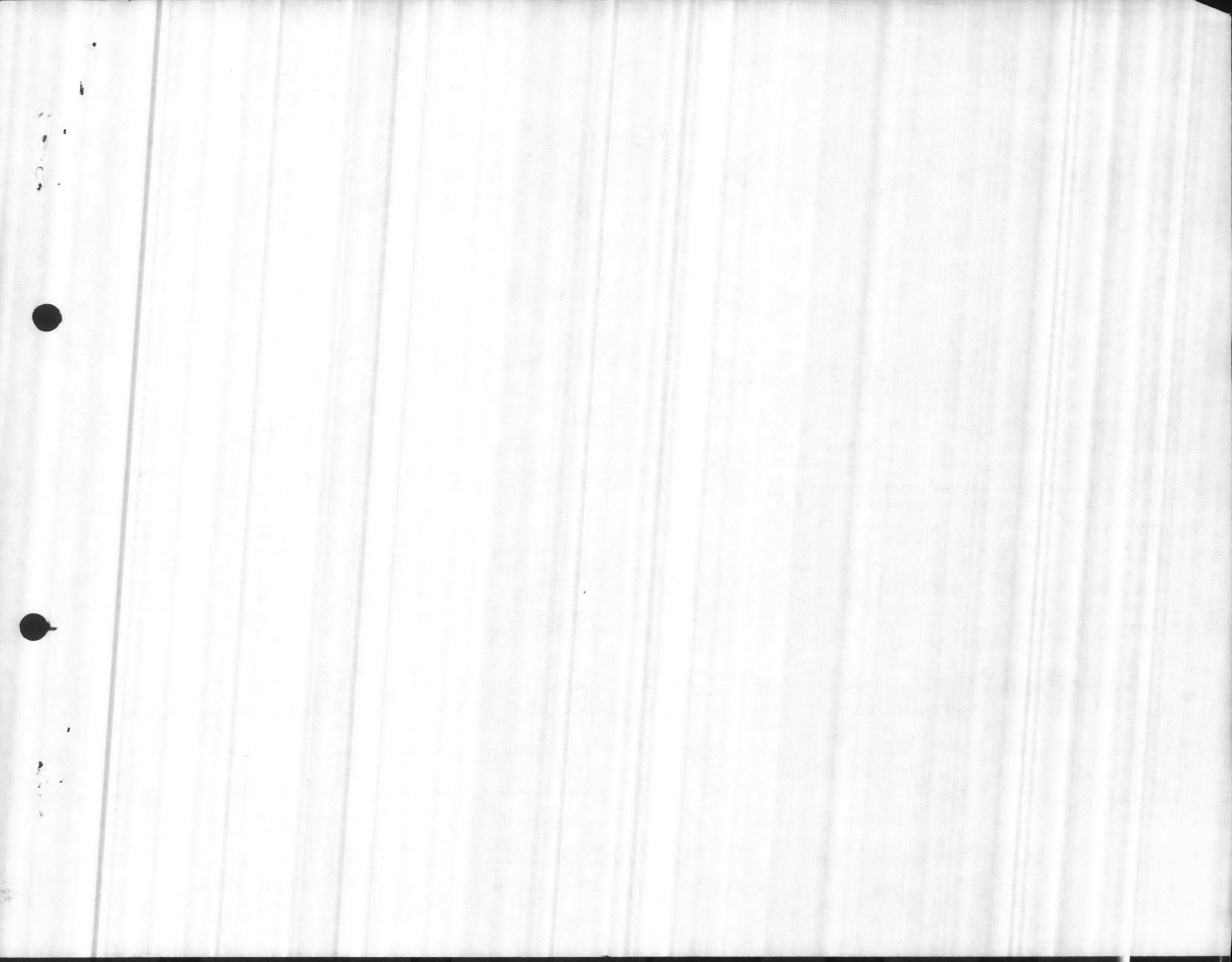


File H2 waste
81

RESOURCE CONSERVATION AND RECOVERY ACT

REPORTING REQUIREMENTS

<u>REPORT</u>	<u>DUE DATE</u>	<u>COMMENTS</u>
1. Annual Reports (See 40CFR 265.75 and Appendix II of 40CFR 265)		
a. EPA Form 8700-13 and 8700-13A	Calendar year after first time By 1 March	AC/S Logistics will complete this form to reflect volumes of HW generated for period 19 Nov 1980 - 31 Dec 1981.
b. EPA form 8700-13B	Submitted with above report	AC/S Logistics will complete this form to reflect volumes of HW which are handled by HW long-term storage facilities.
2. Unmanifested Waste Report	Within 15 days of receipt of	AC/S Logistics will complete this form to reflect volumes (<u>if any</u>) of HW received at long-term storage facility which were not accompanied by manifest.
a. EPA FORM 8700-13C (See 40CFR 265.76)	unmanifested wastes	
3. Manifest Discrepancy Report	(See 40CFR 265.72)	AC/S Logistics will complete when HW received by long-term HW storage facility do not agree with information or HW manifest either in quantity or identification.



MAIN/DDS/mp
6240

mmr 16, 81

From: Commanding General
To: Commander, Atlantic Division, Naval Facilities Engineering Command,
Norfolk, Virginia 23511 (Code 114)

Subj: Permit Application to operate Pathological Incinerator

Ref: (a) FONEGON btwn Mr. Charles Thompson, LANTDIV and Mr. D. Sharpe
BMaintDept of 2 Feb 1981
(b) N. C. Air Quality Regulations

Encl: (1) Application for a "Permit" to construct and operate Air Pollution
Abatement Facilities and/or Emission sources

1. Enclosure (1) is forwarded for review and comments by Mr. Charles Thompson per reference (a) for compliance with reference (b).
2. It is requested that any corrections or additions to enclosure (1) be provided. Point of contact in this matter is Mr. Danny Sharpe, BMaintDept (AUTOVON 484-5003).

F. H. MOUNT
By direction

10/14/61

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MAIN/DDS/mp
6240

MAR 1 6 1981

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F. H. MOUNT
By direction

1891

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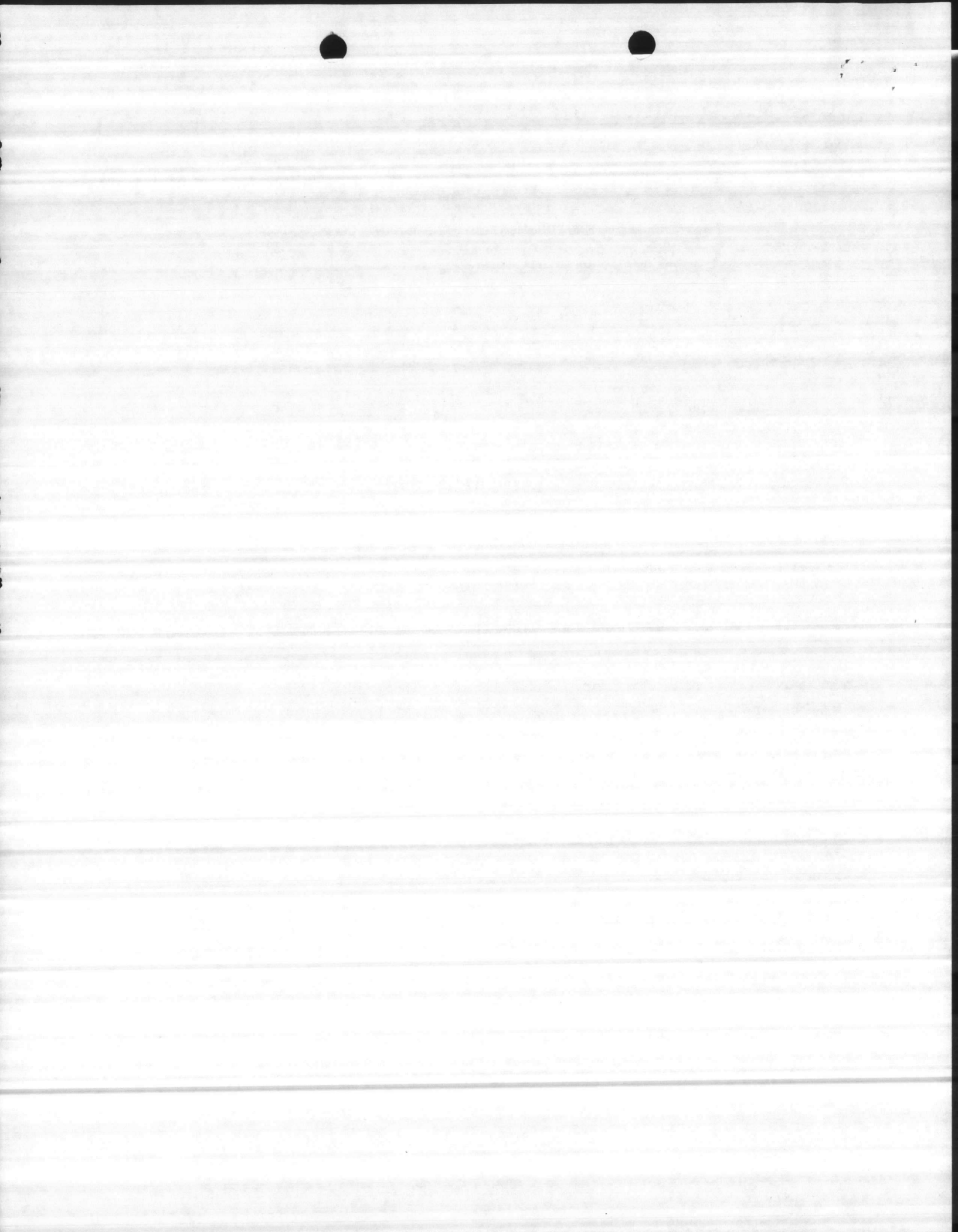
NORTH CAROLINA
ENVIRONMENTAL MANAGEMENT COMMISSION
RALEIGH

APPLICATION FOR
A "PERMIT"
TO CONSTRUCT AND OPERATE AIR
POLLUTION ABATEMENT FACILITIES AND/OR EMISSION SOURCES

Filed By: Marine Corps Base
 (Name)
 Camp Lejeune, N. C.
 (Address)

AQ-22

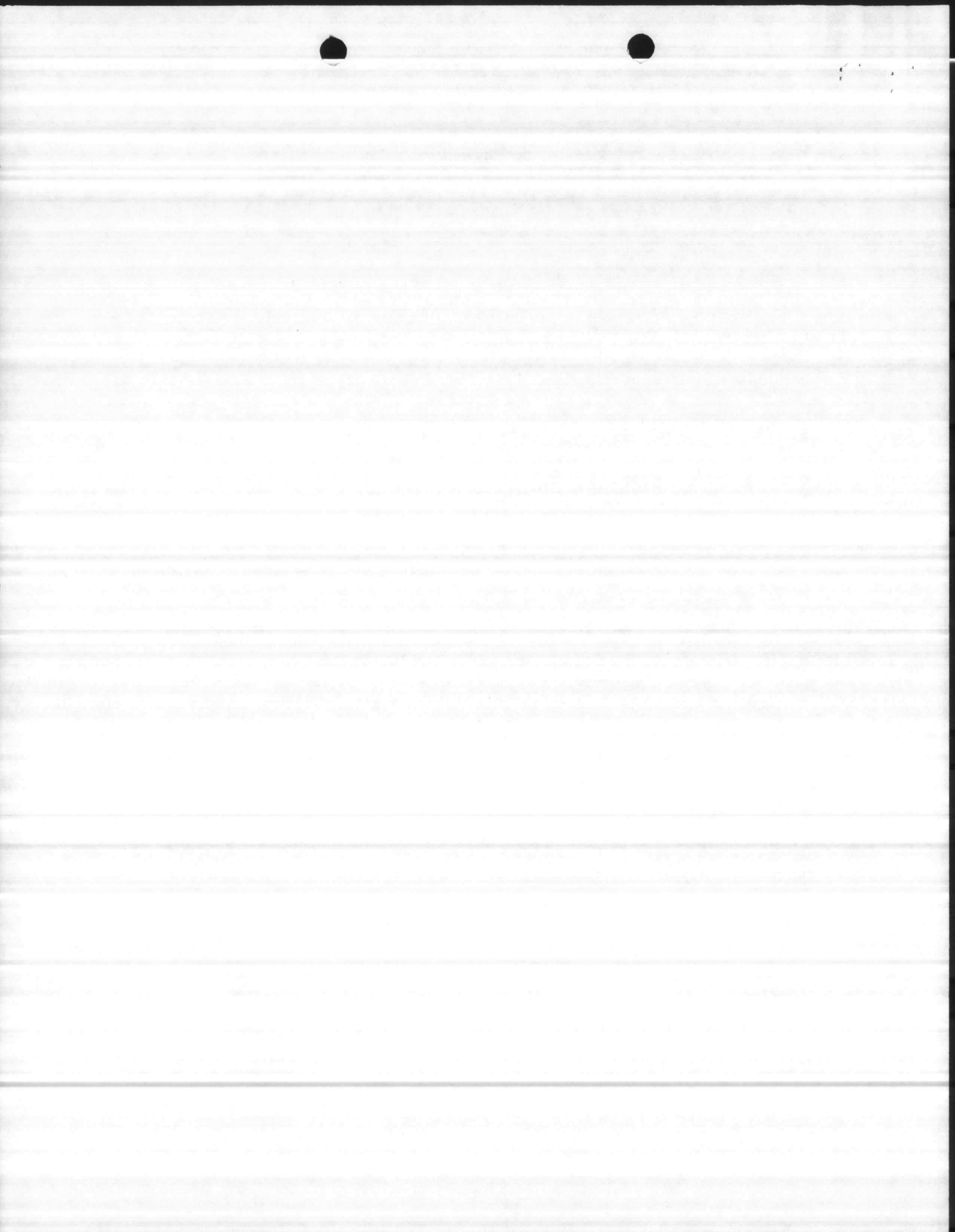
ENCLOSURE (1)



APPLICATION INSTRUCTIONS

THIS APPLICATION IS SUBJECT TO REJECTION UNLESS ALL REQUIRED
INFORMATION IS SUBMITTED

1. ATTACH DETAILED ENGINEERING DRAWINGS OF SOURCE(S), PROCESS(ES) AND COLLECTION DEVICE(S) AS REQUESTED IN EACH SECTION. IF MULTIPLE SOURCES OR DEVICES, USE ADDENDUM SHEETS AS NECESSARY.
2. Submit application, detailed engineering drawings, specifications and other supporting data and documents in TRIPLICATE.
3. Attach additional sheets as necessary to complete any portion of the application.
4. The application MUST BE SIGNED by the RESPONSIBLE INDIVIDUAL of the company that is to PURCHASE AND OPERATE the facilities for which a Permit is applied.
5. ALL APPLICANTS MUST COMPLETE THE FIRST PAGE AND SECTIONS I AND VI.
6. If an Incinerator, Fuel Burning Source, Wet Collection Device or Dry Collection Device is to be installed and operated, COMPLETE SECTIONS II, III, IV or V respectively.
7. All applications should be mailed to:
ENVIRONMENTAL MANAGEMENT COMMISSION
AIR QUALITY SECTION
P. O. Box 27687
Raleigh, North Carolina 27611



APPLICATION FOR A "PERMIT"
To Construct and Operate Air Pollution Abatement Facilities and/or Emission Sources
Three Copies to be Submitted
Fourth Copy Should be Retained by Applicant

Date: _____

In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, application

is hereby made by Marine Corps Base, Camp Lejeune, North Carolina
(Name of Company, Establishment, Town, Etc.) (Include Division or Plant Name in Addition to Parent

Company if Applicable in the County of Onslow at Camp Lejeune, N. C.
(Street and City or Town Address of Plant or Facility)
for issuance of a "Permit" to construct and operate air pollution abatement facilities and/or emissions sources at above location as specified in the accompanying drawings, specifications, and other pertinent data:

1. Nature of Operation Conducted at the Above Facility:
Pathological Waste Incineration, Building H-78
2. Description of Process(es) Whose Emission(s) is/are to be Controlled by the Facility or Source(s) Which is/are to be Constructed or Altered. (Complete Section I)
3. Furnish Type and Narrative Description of Proposed Control Device(s). (Complete Appropriate Supplemental Data Sheets for Control Device to be Installed and/or Operated. Include Make and Model Number of Control Device(s) and Number of Identical Units).

4. Contaminant Emitted:	Weight Rate of Emissions (lb/hr):		Control Efficiency (%):	
	Without Control Device	With Control Device	Without Control Device	With Control Device
Particulates	.06			
NO ₂	.02			

5. Name and Address of Engineering Firm that Prepared Plans: **Winnen Incinerator Company, 932 Broadway, Bedford, Ohio**

6. Ultimate Disposition of Collected Pollutants: **Camp Lejeune Landfill**

7. Date on Which Facilities are to be Completed and in Operation: _____, 19____

8. Indicate Period of Time for Which Facilities are Estimated to be Adequate: _____ Years

9. Estimate Cost of Air Pollution Control Device \$ _____

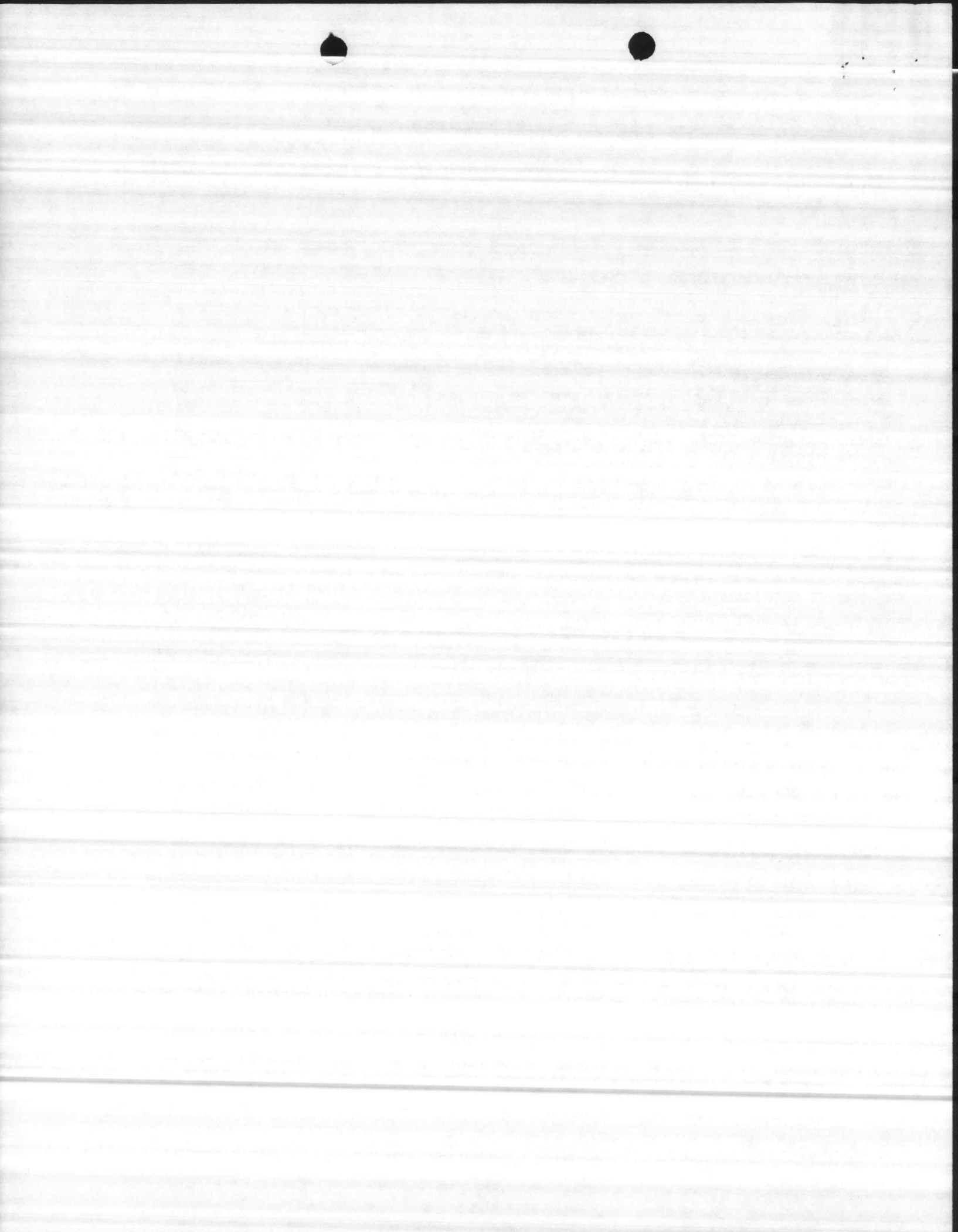
10. Hours Facility is Operated Per Year: **100**

Name: _____
(Responsible Individual of Company Purchasing/
Operating Facility...PLEASE PRINT)

Mailing Address: _____

Signature and Title: _____

Telephone Number: _____



I. GENERAL DATA FOR PROCESSES

*Attach detailed process engineering drawings, equipment drawings and flow diagrams for the process(es) or source(s) being constructed or altered.

Name of Process: Pathological Waste Incinerator

Total Weight of Materials Entering this Process: 15 lb/hr ~~XXXXXX~~

Volume and Temperature of Air Flow Entering Control Device: _____ CFM @ _____ °F

Volume and Temperature of Effluent at Discharge Point to Atmosphere: _____ CFM @ _____ °F

Pollutant(s) to be Controlled: _____

Height of Process Stack or Vent Above Ground Level 22 ft. Inside area of Stack 5.5 ft².

Particulate Emission Rate (Before Control) .06 lb/hr

Particle Size Distribution: 0-5μ _____%, 5-10μ _____%, 10-20μ _____%, 20-30μ _____%, 30-40μ _____%, 40-50μ _____%, >50μ _____%

Gaseous Emission(s): NO₂ (Chemical Formula) _____ μg/m³, PPM or lb/hr .02

II. SUPPLEMENTARY DATA FOR INCINERATORS (Including Conical Incinerators)

Circle Type of Waste or Indicate Composition: Type 0 Type I Type II Type III (Type IV)

Combustible: _____% Non-Combustible: _____% Moisture: 95% Heat Value: _____ BTU/lb

Total Waste Generated Per ~~Day~~ Year 75 lb.

Hours Incinerator will be Operated: 100 hrs ~~XXX~~ Year

Design Capacity for Above Waste: 50 lbs/hr

Manufacturer and Model Number; Approximate Cost: Winnen Incinerator Co., Model H-401

Primary Chamber Volume: 18 ft.³

Secondary Chamber Volume: _____ ft.³

Air Requirements: Total Excess Air _____% Draft: Natural X Induced _____ Other _____

Overfire Air: _____ cfm Underfire Air: _____ cfm

Is there an Electronically Controlled, Exhaust Gas Temperature Modulated, Damper Installed on the Conical Incinerator for: Overfire Air Supply _____, Underfire Air Supply _____, Dome _____ Temperature Set Point _____

Flame Port Temperature: _____ °F Secondary Chamber Temperature: _____ °F

Is there a Continuous Exhaust Gas Temperature Recorder? Yes _____ No _____

Stack: Inside Area 5.5ft.² Height 22 ft. Gas Velocity _____ ft/sec Temperature _____ °F Fan Capacity _____ cfm Stack Lined? _____

Is there a Wet Scrubber?

Yes _____ No X Flow Rate of H₂O into Scrubber _____ gal/min Temperature Before Scrubber _____ °F

Aux. Fuel: Oil _____ Gas _____ Other _____ Burner Rating: Primary Chamber _____ BTU/hr Secondary Chamber _____ BTU/hr Stack _____ BTU/hr

Primary Burner: Is there a ~~Timer~~ Timer? Yes X No _____ ~~Time~~ Time: 60 min.

Secondary Burner or Afterburner: Is there a Timer? Yes X No _____ Length of Time Burner is Operated 60 min.

Is the Timer Reset by Charging Door? Yes _____ No X Other Mode of Burner Control _____

Type of Feed: Manual X Automatic _____ If Automatic, Describe _____

Distance from Incinerator to Nearest Structure(s) in which People Live and/or Work. 100ft.

Signature: _____ Title: _____



11

Owner Naval Regional Medical Center

Location Camp Lejeune, North Carolina
(Give Street Address) Building H-78

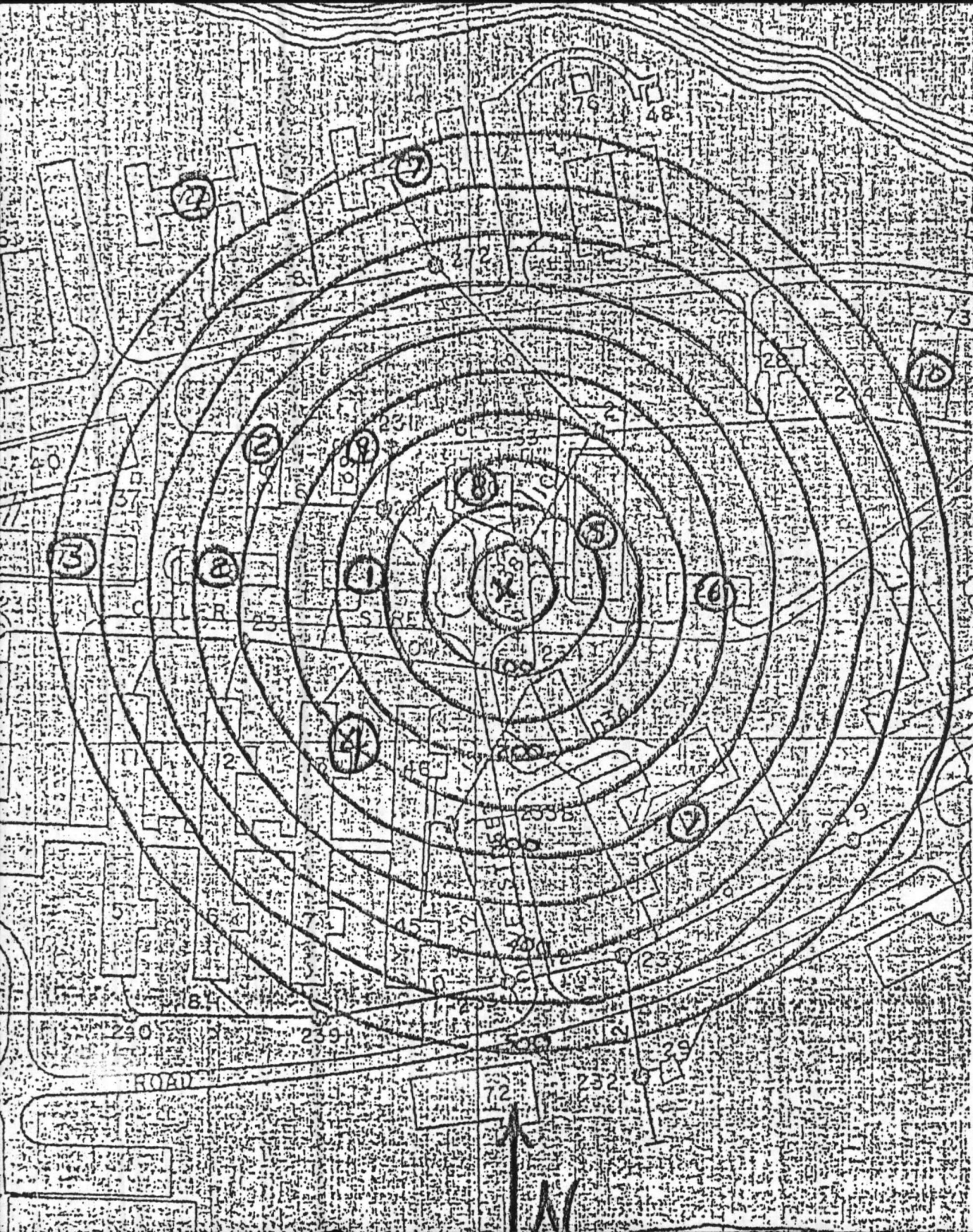
INSTRUCTIONS:

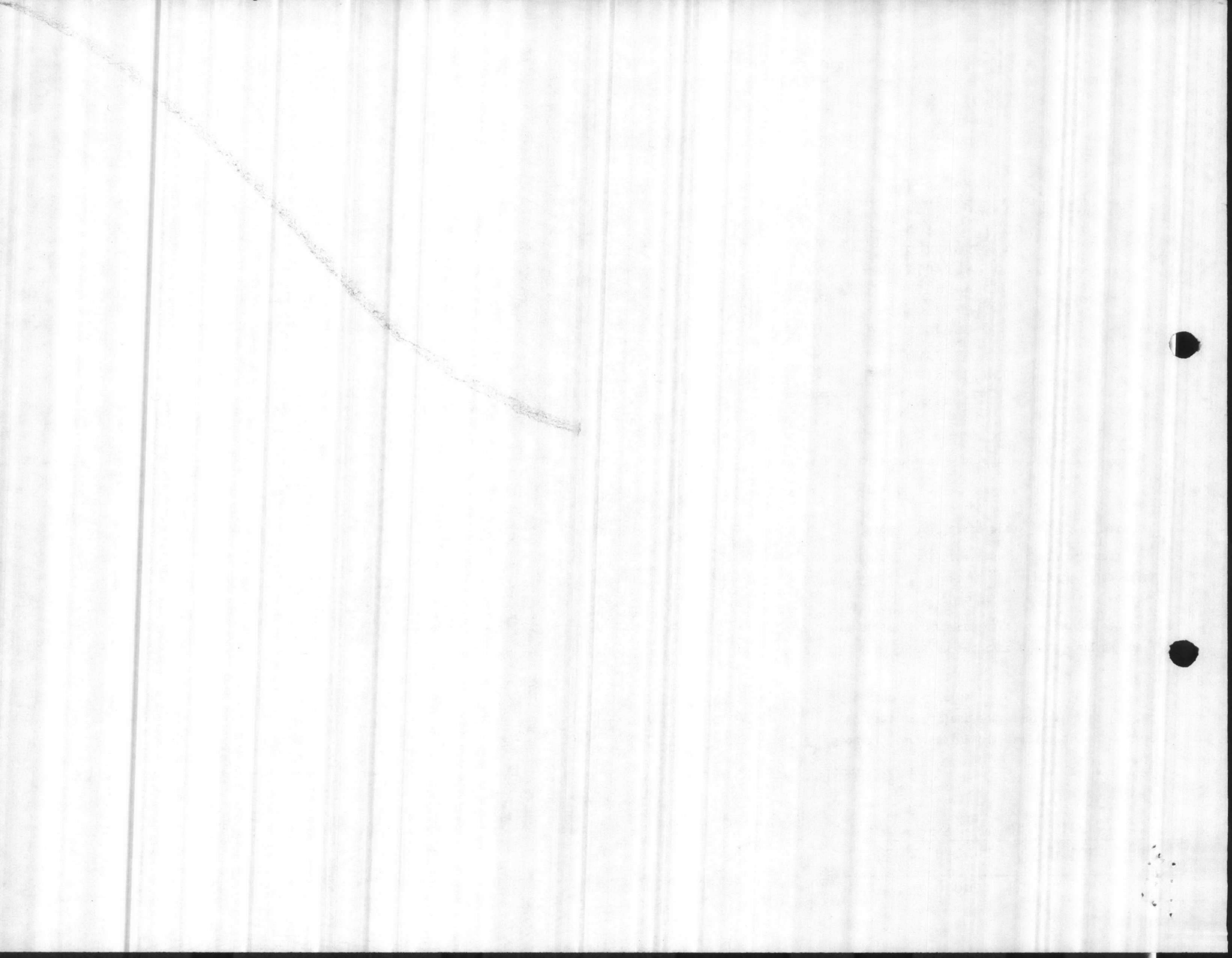
1. Show all surrounding buildings and roads within 1000 feet of subject equipment which is located at center of circles.
2. Indicate location and type of building by the use of small numbered circles with the description below.
3. Show roads as lines representing the road edges. Indicate street names and highway numbers.
4. Show wooded or cleared areas by approximate boundary lines and the words "woods", "cleared", "cornfield", etc.
5. Indicate direction of north by arrow.

<u>CODE</u>	<u>DESCRIPTION</u>
①	Maintenance Shop
②	Garage
③	Storage
④	Hospital
⑤	Laundry
⑥	Storage
⑦	Barracks
⑧	Boiler Plant
⑨	Staff Club
⑩	Residence

<u>EXAMPLE</u>	
①	Church
②	Residence

X Indicates location of equipment.





MAIN/JIW/mac
6280/4

APR 17 1981

From: Base Commander
To: Commanding Officer, Naval Regional Medical Center, Camp Lejeune,
North Carolina 28542

Subj: Permit Application to Operate the Pathological Incinerator

Ref: (a) Clean Air Act
(b) North Carolina Air Quality Regulations

Encl: (1) Cmdr, LANTNAVFACENGCOM, ltr 114:CRT 6280, of 1 April 1981

1. Enclosure (1) provides recommendations for changes to the subject application for permit required by reference (a). It is requested that the changes and information addressed in enclosure (1) be provided. An original and three copies of the subject application should be submitted to this Command for review, signature, and forwarding to the North Carolina Environmental Management Commission.

2. Point of contact in this matter and other questions regarding regulations related to references (a) and (b) is Mr. Danny Sharpe, Base Maintenance Department, extension 2083.

F. H. MOUNT
By direction

JW
5
WCE

1881 A 1 1981

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Faint, mostly illegible text, possibly a list or report, with some discernible words like "Medical" and "Hospital".

Very faint text at the bottom of the page, possibly a signature or footer.

NATURAL RESOURCES AND ENVIRONMENTAL AFFAIRS DIVISION
BASE MAINTENANCE DEPARTMENT
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

26 June 81

From: Director, NREA Division

To: *Danny*

Subj: *See attached*

1.

Julian

*I have seen it
Request should come
in written through -
GG.*

~~File~~
Hay Matt - f d W

ROUTINE

* UNCLASSIFIED *

174/2148Z

RT00369

PAGE 01

MR. Jimmy Slapp
LFA 201
2900 2% CANS 10%
Security Protocol
ADDED TO CONTRACT
6840-00-274-5415

RATUZYUW RUCFLTA7880 174 21 15-UUUU--RUEBDOA.

ZNR UUUUU

P 232101Z JUN 81

FM DPDR MEMPHIS TN

TO AIG 4544 ACT: DPDO

BT

UNCLAS DPDR-MR-212-81 PASS TO DEFENSE PROPERTY DISPOSAL OFFICE

SUBJECT: DDT DISPOSAL PROJECT

1. DPDS PROJECTS THAT THE CONTRACT AWARD FOR THE COLLECTION, TRANSPORTATION AND DISPOSAL OF DDO-OWNED DDT WILL BE ACCOMPLISHED DURING AUGUST 81. ACCORDINGLY, DPDS IS INITIATING ACTIONS TO FACILITATE THE EXECUTION OF THIS PROJECT.

2. ONE SUCH ACTION INVOLVES COMPLIANCE WITH THE RESOURCE CONSERVATION AND RECOVERY ACT (RCRA). REQUEST THE FOLLOWING ACTIONS BE ACCOMPLISHED, AS APPLICABLE:

A. DPDS/OSBS. ANY DPDO/OSB WHICH HAS PHYSICAL CUSTODY OF ANY QUANTITY OF DDT THAT WAS NOT LISTED ON THE RCRA PERMIT APPLICATION BY SUBMITTING A FORM 3510-3 WHICH INDICATES THE QUANTITY OF DDT BEING STORED. THE COMPLETED FORM IS TO BE SUBMITTED TO EPA BY THE HOST INSTALLATION IN ACCORDANCE WITH ESTABLISHED PROCEDURES. THE SUBMISSION SHOULD BE CLEARLY IDENTIFIED AS A SUPPLEMENT TO THE EXISTING PERMIT APPLICATION.

PAGE TWO RUCFLTA7880 UNCLAS

B. HOST INSTALLATIONS. DPDS WILL COORDINATE WITH INSTALLATIONS (OR TURN-IN ACTIVITIES) WHICH HAVE PHYSICAL CUSTODY OF DDT FOR DPDS TO INSURE THAT ACTIONS AS OUTLINED IN THE PRECEDING PARAGRAPH ARE INITIATED, IF APPLICABLE.

BT

#7880

DPDO//445

NNNN

Jimmy call me on this
[Signature]

ROUTINE

* UNCLASSIFIED *

RECEIVED

JUN 24 1981

DPDO — LEJEUNE

Danny

Note + Return for File



DDS
RTS

FAC/REA/hf
6280
28 February 1983

Solid & Hazardous Waste Management Branch
N. C. Department of Human Resources
P. O. Box 2091
Raleigh, NC 27602

Re: Annual Report under N.C. Hazardous
Waste Management Program

Dear Sirs:

A copy of the subject report is enclosed as requested by your letter of January 17, 1983. This report covers the period January 1, 1982 to December 31, 1983.

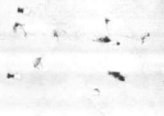
If you desire further information on this report, please contact Mr. Bob Alexander at 919-451-2544 or at the above address.

Sincerely,

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

Encl

Blind Copy to:
CO, MCAS(H), NR (S-4)
DPDO
AC/S, Log
→ NREAD



N. C. DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES

N. C. 1982 HAZARDOUS WASTE GENERATOR THAT DOES ON-SITE
TREATMENT, STORAGE, OR DISPOSAL-TSD FACILITY
ANNUAL (PART B) REPORT *

I. Installation EPA ID Number: N C 6 1 7 0 0 2 2 5 8 0
 II. Name of Installation: Marine Corps Base, Camp Lejeune
 III. Location of Installation: _____

(Street or Route Number)
Camp Lejeune, Onslow, NC 28542
 (City or Town) (County) (State) (Zip Code)

IV. Installation Contact: Robert E. Alexander, Office of Assistant Chief of Staff, Facilities,
 (Name) (919)-451-3034 (Area Code) (Phone Number)

V. Waste Identification:

LINE NUMBER	A. EPA Waste No.	B. Description of Waste/Chemical Name	C. Quantity Generated (LBS)	D. Amount of Waste by Handling Method					
				1. Handling Method Code	2. Quantity Stored**/Treated Disposed, or Recovered On-Site	3. Quantity		4. % Water In Waste Shipped	5. Facility EPA ID No./Recovery Facility Name
1	D001	Lithium Batteries	1362	S01	1362 LBS				
2	U151	Metallic Mercury	75	S01	75 LBS				
3	U129	Lindane	28	S01	28 LBS				
4	U061	DDT	33	S01	33 LBS				
5									
6									
7									
8									
9									
10									
11									
12									

(If more space is needed check and complete attachment 1)

VI. Comments: None

VII. CERTIFICATION: I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

J. T. MARSHALL, Col, USMC 28 Feb 1983
 (Signature) (Print or Type Name) (Date Signed)

*Read instructions before completing form **As of December 31, 1982

VIII. Describe the process that generates your hazardous waste?

Military training and support activities; equipment and vehicle maintenance;
facilities maintenance; personnel housing, utilities and support activities.

IX. Can you segregate certain components of your waste?

A. YES

B. NO

X. Do you segregate certain waste streams?

A. YES

B. NO

Describe method used.

All used hazardous materials are segregated for reuse and recycling by the

Defense Property Disposal Service, Property Disposal Office, Camp Lejeune, NC

(804) 444-7313

114:DPG
6280

18 AUG 1980

CERTIFIED MAIL RETURN RECEIPT REQUESTED

U.S Environmental Protection Agency
Region IV
RCRA Activities
345 Courtland Street, N.E.
Atlanta, GA 30308

Gentlemen:

Hazardous Waste Notifications are herein forwarded for the following activities:

- a. Naval Ordnance Station, Louisville, Kentucky.
- b. Marine Corps Base, Camp Lejeune, North Carolina. This activity notification is being filed directly and is not attached to this letter.
- c. Marine Corps Air Station, New River, North Carolina.
- d. Marine Corps Air Station, Cherry Point, North Carolina (including Naval Air Rework Facility, Cherry Point; Marine Corps Auxiliary Field, Bogue; Marine Corps Outlying Field, Atlantic; Bluetenthal Field - New Hanover Municipal Airport, Wilmington, North Carolina; Pamlico Target Area; Brant Island Target Area; MAW Point Target Area; and Cat Island Target Area).

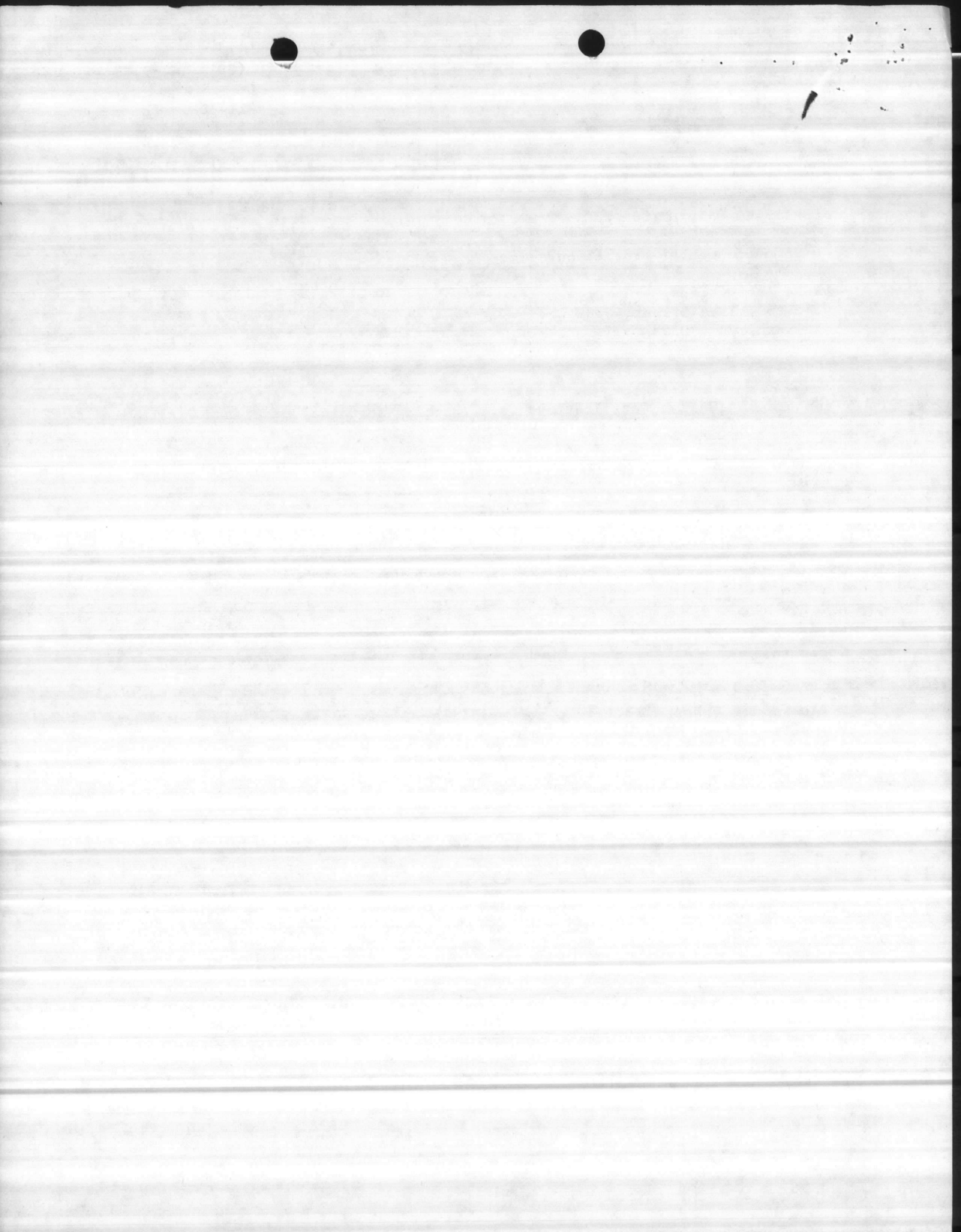
Please note that also herein forwarded is a summary of the Hazardous Waste Notifications, including the required general descriptions and locations.

Sincerely yours,

ANDRES TALTS, P.E.
Head, Environmental Quality Branch
Utilities, Energy and Environmental
Division
By direction of the Commander

Enclosures

GOODWIN
Brite
8/18.80



114:DPG
6280

Copy to:
State Hazardous Waste Management
Program
Division of Health Services
P.O. Box 2091
Raleigh, NC 27602

Division of Environmental Health
Solid Waste Program
275 East Main Street
Frankfort, KY

Commandant of the Marine Corps
Navy Department
Washington, DC 20380

Chief of Naval Material
Navy Department
Washington, DC 20360

Commander
Oceanographic System, Atlantic
Box 100
Norfolk, VA 23511

Commanding General
Marine Corps Base
Camp Lejeune, NC 28542

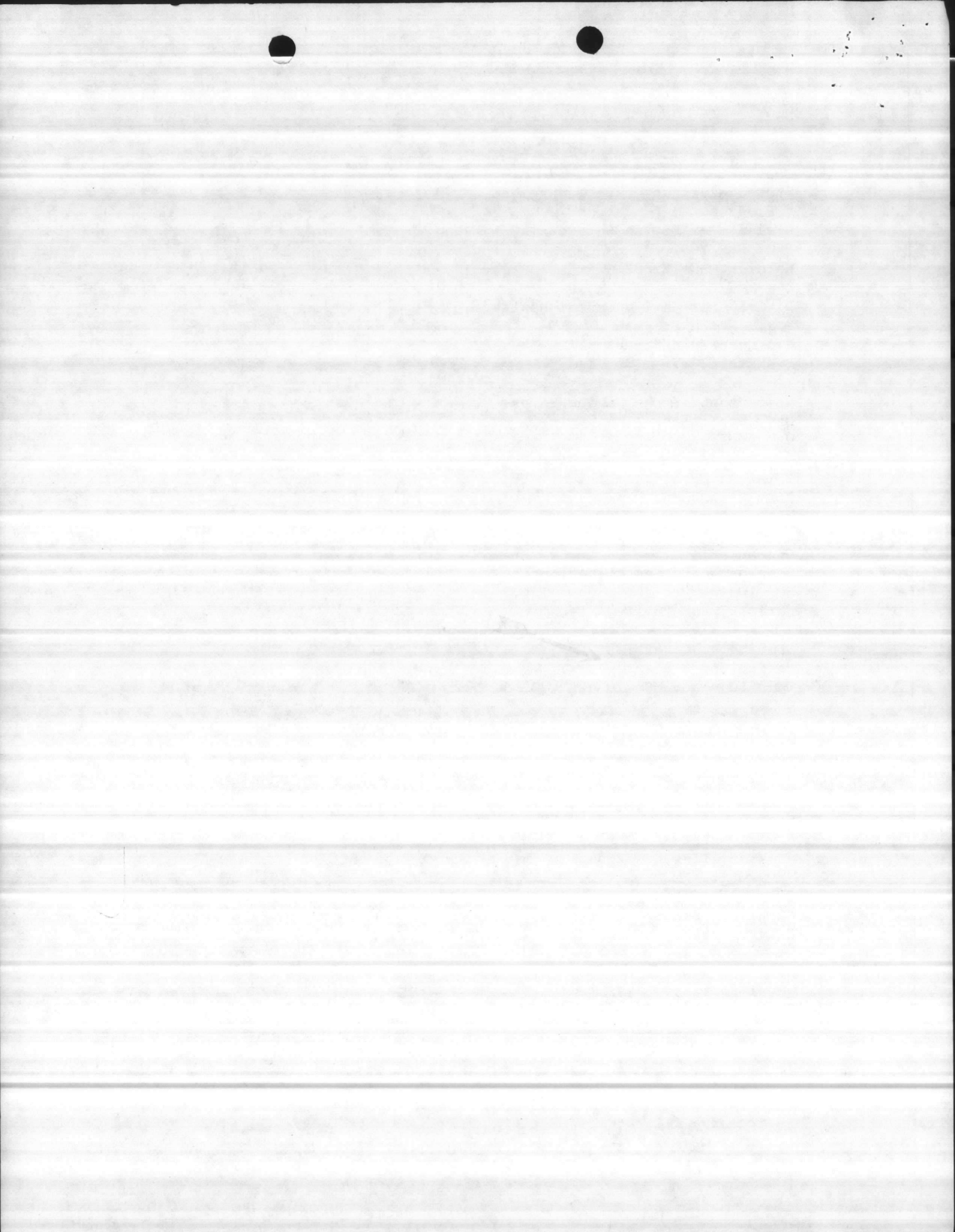


Commanding General
Marine Corps Air Station
Cherry Point, NC 28533

Commanding Officer
Marine Corps Air Station (Helicopter)
New River
Jacksonville, NC 28545

Commanding Officer
Naval Air Rework Facility
Cherry Point, NC 28533

Commanding Officer
Naval Facility
Cape Hatteras
Buxton, NC 27920



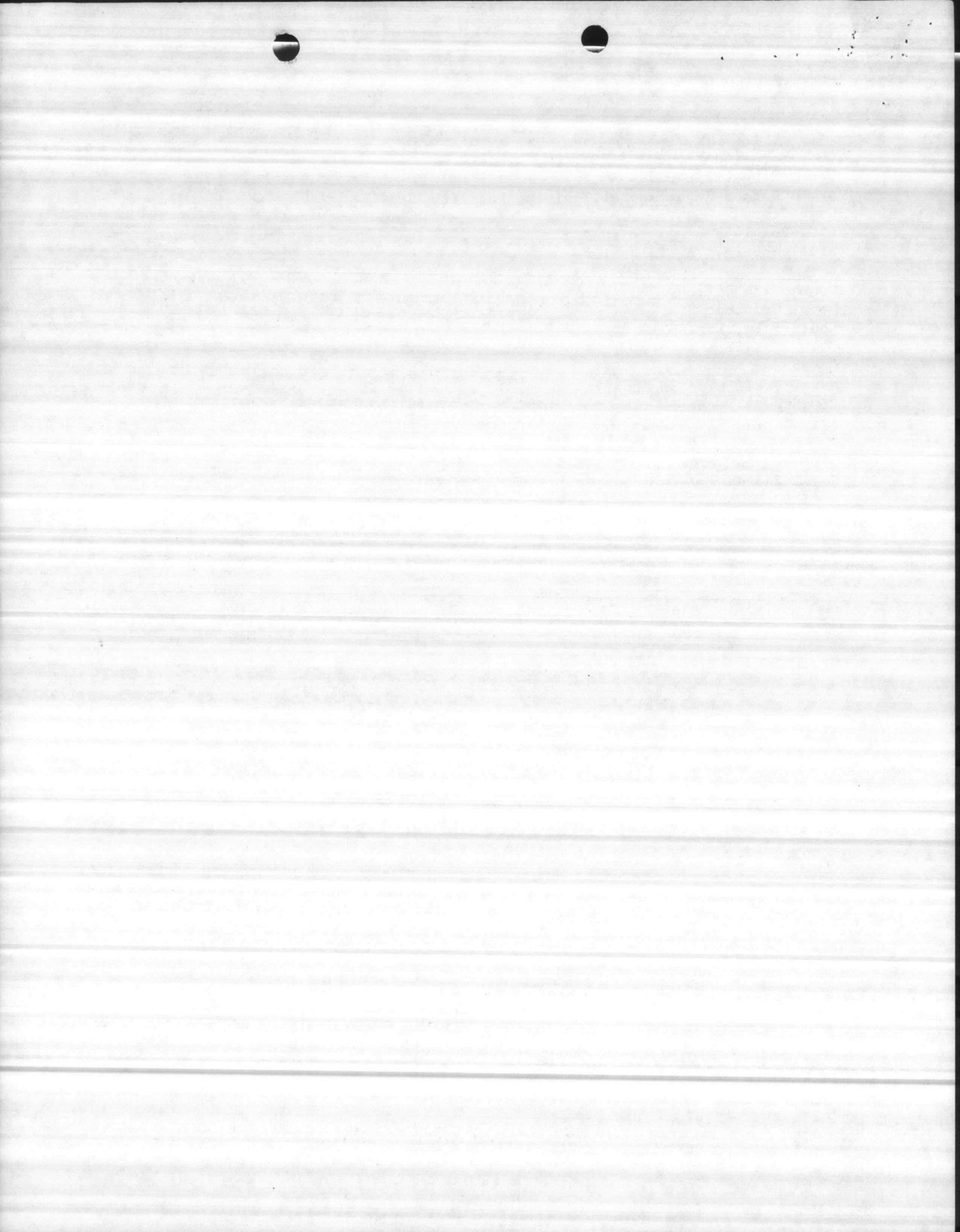
Copy to: (Continued)
Commanding Officer
Armed Forces Experimental Training Facility
Camp Peary
P.O. Box 1447
Williamsburg, VA 23185

Commanding Officer
Naval Ordnance Station
Louisville, KY 40214

Commander
Naval Facilities Engineering Command
200 Stovall Street
Alexandria, VA 22332

Officer in Charge
Naval Energy and Environmental Support Activity
(ATTN: Code 20)
Port Hueneme, CA 93043

Director
Defense Logistics Agency
Cameron Station
Alexandria, VA 22314





**U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY**

INSTRUCTIONS: If you received a preprinted label, affix the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

PLEASE PLACE LABEL IN THIS SPACE

INSTALLATION'S EPA I.D. NO.

I. NAME OF INSTALLATION

II. INSTALLATION MAILING ADDRESS

III. LOCATION OF INSTALLATION

FOR OFFICIAL USE ONLY

COMMENTS

C																55
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INSTALLATION'S EPA I.D. NUMBER													APPROVED		DATE RECEIVED (yr., mo., & day)				
S													T/A	C					
F													I						
1	2			13	14	15		16		17		22							

I. NAME OF INSTALLATION

M	A	R	I	N	E		C	O	R	P	S		A	I	R		S	T	A	T	I	O	N		(H)		N	E	W		R	I	V	E	R
---	---	---	---	---	---	--	---	---	---	---	---	--	---	---	---	--	---	---	---	---	---	---	---	--	---	---	---	--	---	---	---	--	---	---	---	---	---

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX																								
C	3															COMMANDING OFFICER					45			
CITY OR TOWN															ST.	ZIP CODE								
C	JACKSONVILLE															NC	28545							

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER																								
C	5															COMMANDING OFFICER					45			
CITY OR TOWN															ST.	ZIP CODE								
C	JACKSONVILLE															NC	28545							

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)															PHONE NO. (area code & no.)					
C	2 YUNG, CARL S4 OFFICER, LTCOL															919-455-6506				

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER																								
C	8															US GOVERNMENT US MARINE CORPS					55			

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)															F									
F = FEDERAL M = NON-FEDERAL															<input checked="" type="checkbox"/> A. GENERATION					<input checked="" type="checkbox"/> B. TRANSPORTATION (complete item VII)				
															<input type="checkbox"/> C. TREAT/STORE/DISPOSE					<input type="checkbox"/> D. UNDERGROUND INJECTION				

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

<input type="checkbox"/> A. AIR	<input type="checkbox"/> B. RAIL	<input checked="" type="checkbox"/> C. HIGHWAY	<input type="checkbox"/> D. WATER	<input type="checkbox"/> E. OTHER (specify):
--	---	---	--	---

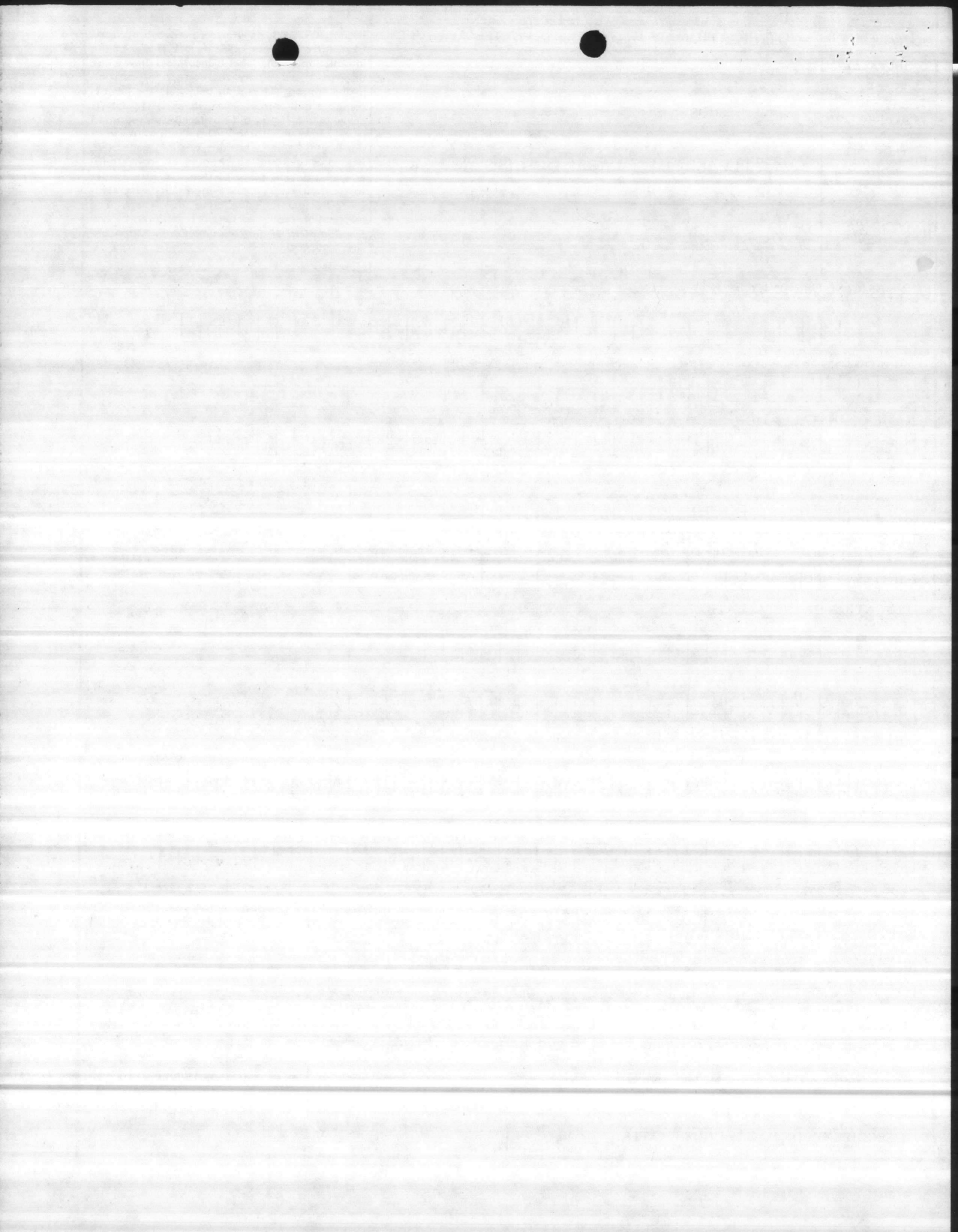
VIII. FIRST OR SUBSEQUENT NOTIFICATION

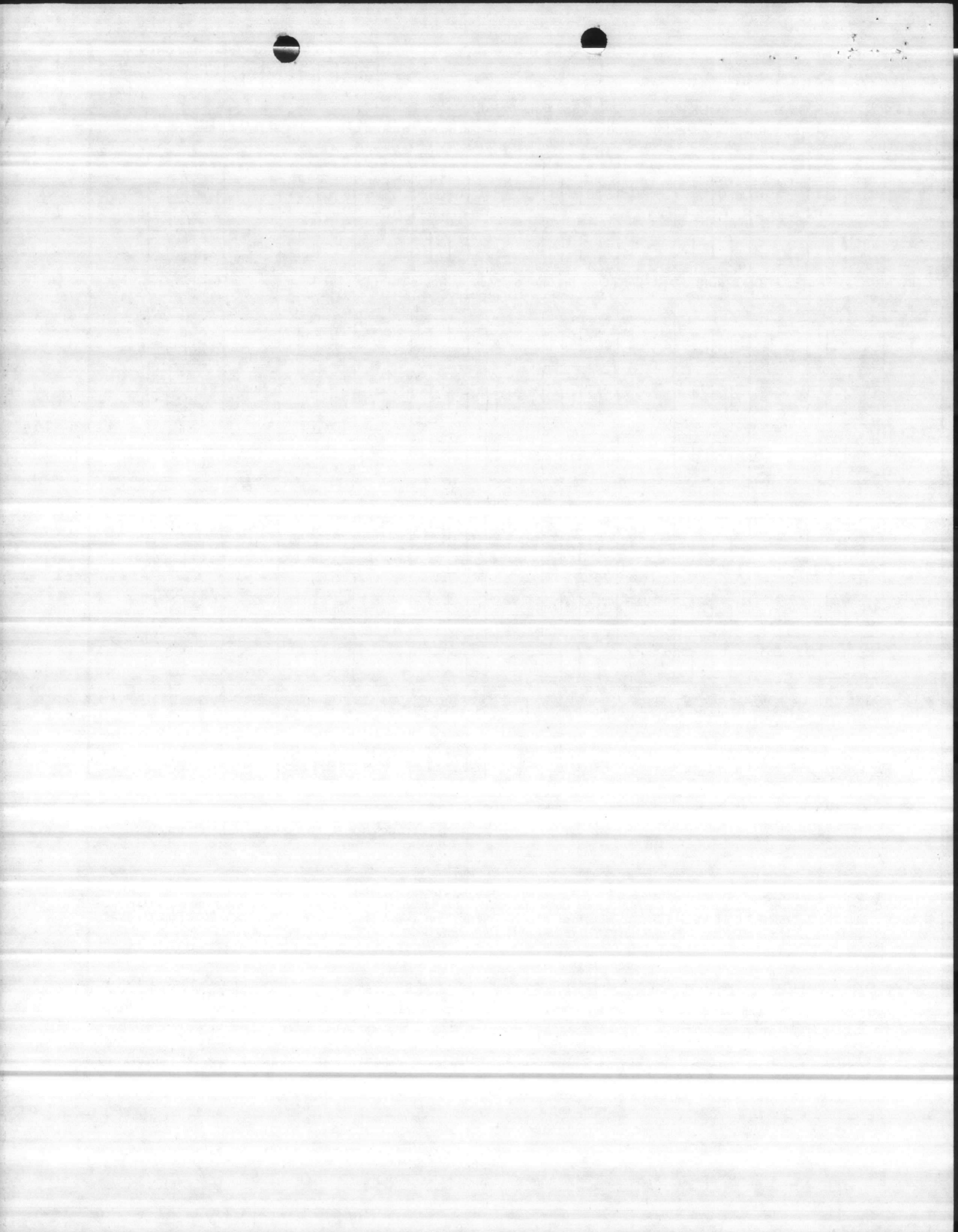
Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

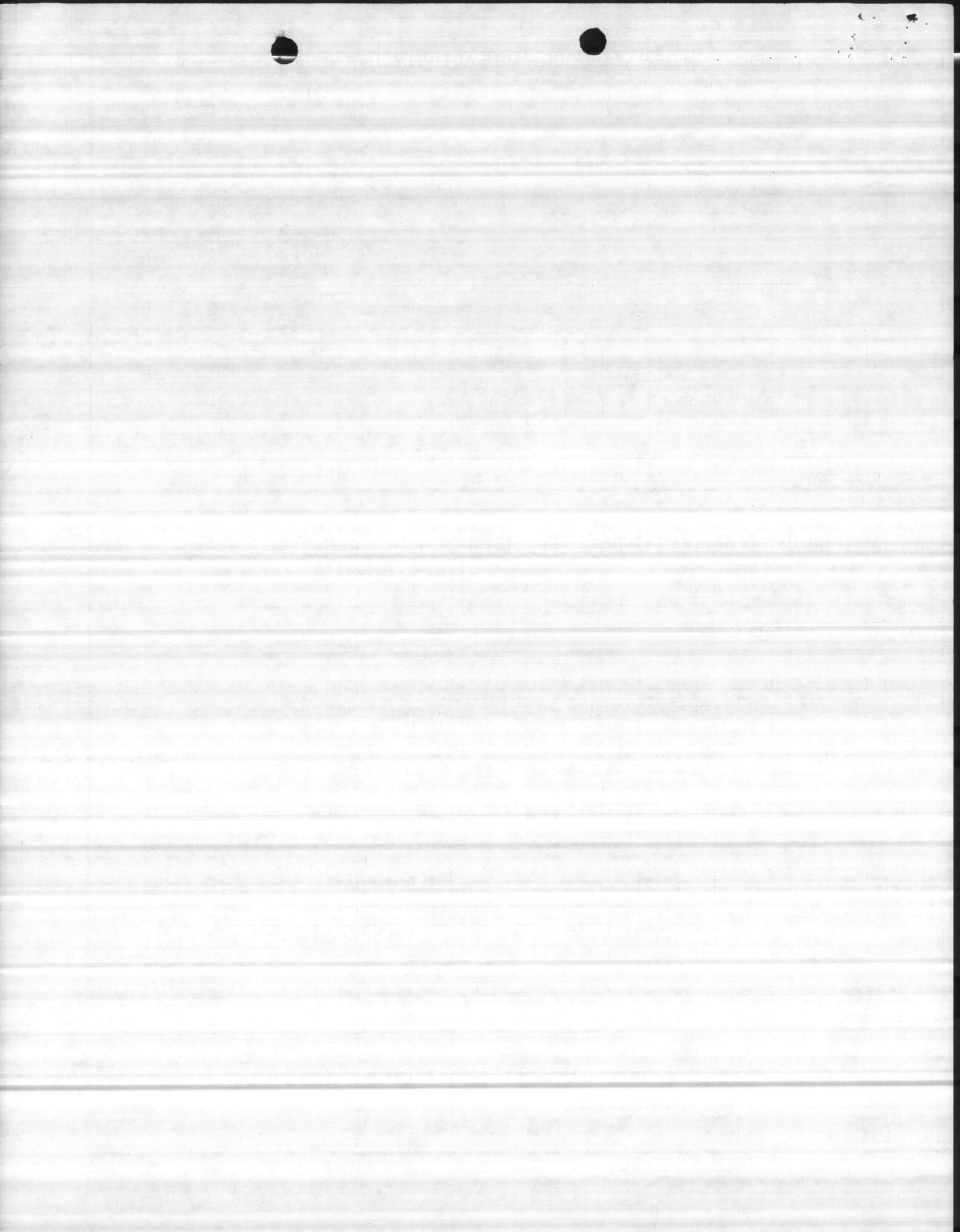
<input checked="" type="checkbox"/> A. FIRST NOTIFICATION	<input type="checkbox"/> B. SUBSEQUENT NOTIFICATION (complete item C)	C. INSTALLATION'S EPA I.D. NO.				

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.







S																T/A	C	
W																	1	
1	2															13	14	15

IX. DESCRIPTION OF HAZARDOUS WASTES (continued from front)

A. HAZARDOUS WASTES FROM NON-SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.31 for each listed hazardous waste from non-specific sources your installation handles. Use additional sheets if necessary.

1 F 0 0 1 23 - 26	2 F 0 0 2 23 - 26	3 F 0 0 3 23 - 26	4 F 0 0 5 23 - 26	5 F 0 0 7 23 - 26	6 F 0 0 8 23 - 26
7 F 0 0 9 23 - 26	8 F 0 1 0 23 - 26	9 F 0 1 1 23 - 26	10	11	12

B. HAZARDOUS WASTES FROM SPECIFIC SOURCES. Enter the four-digit number from 40 CFR Part 261.32 for each listed hazardous waste from specific industrial sources your installation handles. Use additional sheets if necessary.

13	14	15	16	17	18
19	20	21	22	23	24
25	26	27	28	29	30

C. COMMERCIAL CHEMICAL PRODUCT HAZARDOUS WASTES. Enter the four-digit number from 40 CFR Part 261.33 for each chemical substance your installation handles which may be a hazardous waste. Use additional sheets if necessary.

31 P 0 2 9 23 - 26	32 P 0 3 0 23 - 26	33 P 0 9 8 23 - 26	34 P 1 0 4 23 - 26	35 P 1 0 6 23 - 26	36 P 1 2 1 23 - 26
37 U 0 1 3 23 - 26	38 U 1 6 5 23 - 26	39 U 2 2 6 23 - 26	40	41	42
43	44	45	46	47	48

D. LISTED INFECTIOUS WASTES. Enter the four-digit number from 40 CFR Part 261.34 for each listed hazardous waste from hospitals, veterinary hospitals, medical and research laboratories your installation handles. Use additional sheets if necessary.

49	50	51	52	53	54
----	----	----	----	----	----

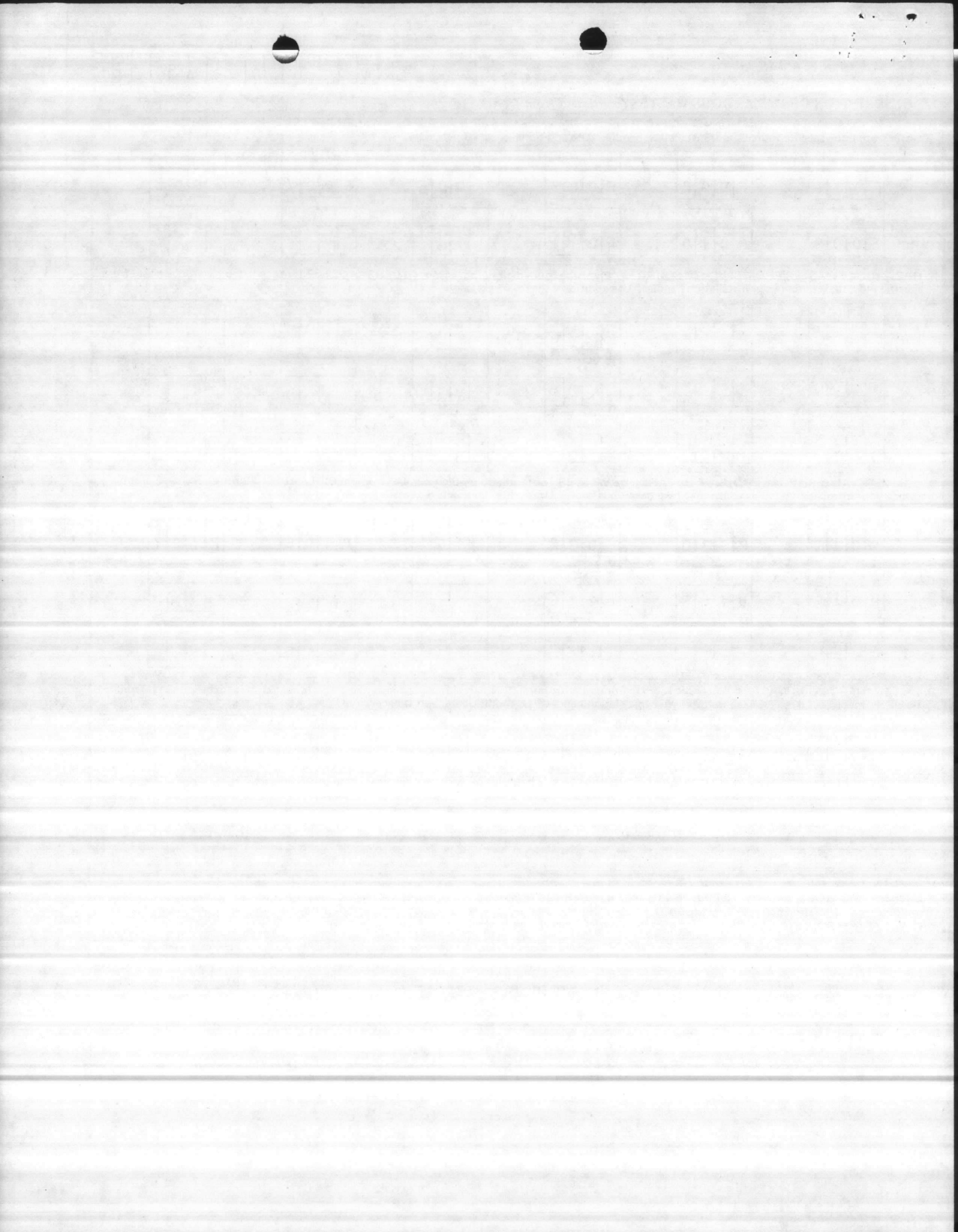
E. CHARACTERISTICS OF NON-LISTED HAZARDOUS WASTES. Mark "X" in the boxes corresponding to the characteristics of non-listed hazardous wastes your installation handles. (See 40 CFR Parts 261.21 - 261.24.)

1. IGNITABLE (D001)
 2. CORROSIVE (D002)
 3. REACTIVE (D003)
 4. TOXIC (D000)

X. CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

SIGNATURE <i>T. C. Warren</i>	NAME & OFFICIAL TITLE (type or print) T. C. Warren, CAPT., USN Commanding Officer	DATE SIGNED 29 July 1980
----------------------------------	---	-----------------------------



NAVAL ORDNANCE STATION, LOUISVILLE
DESCRIPTION OF HAZARDOUS WASTES (CONT.)*

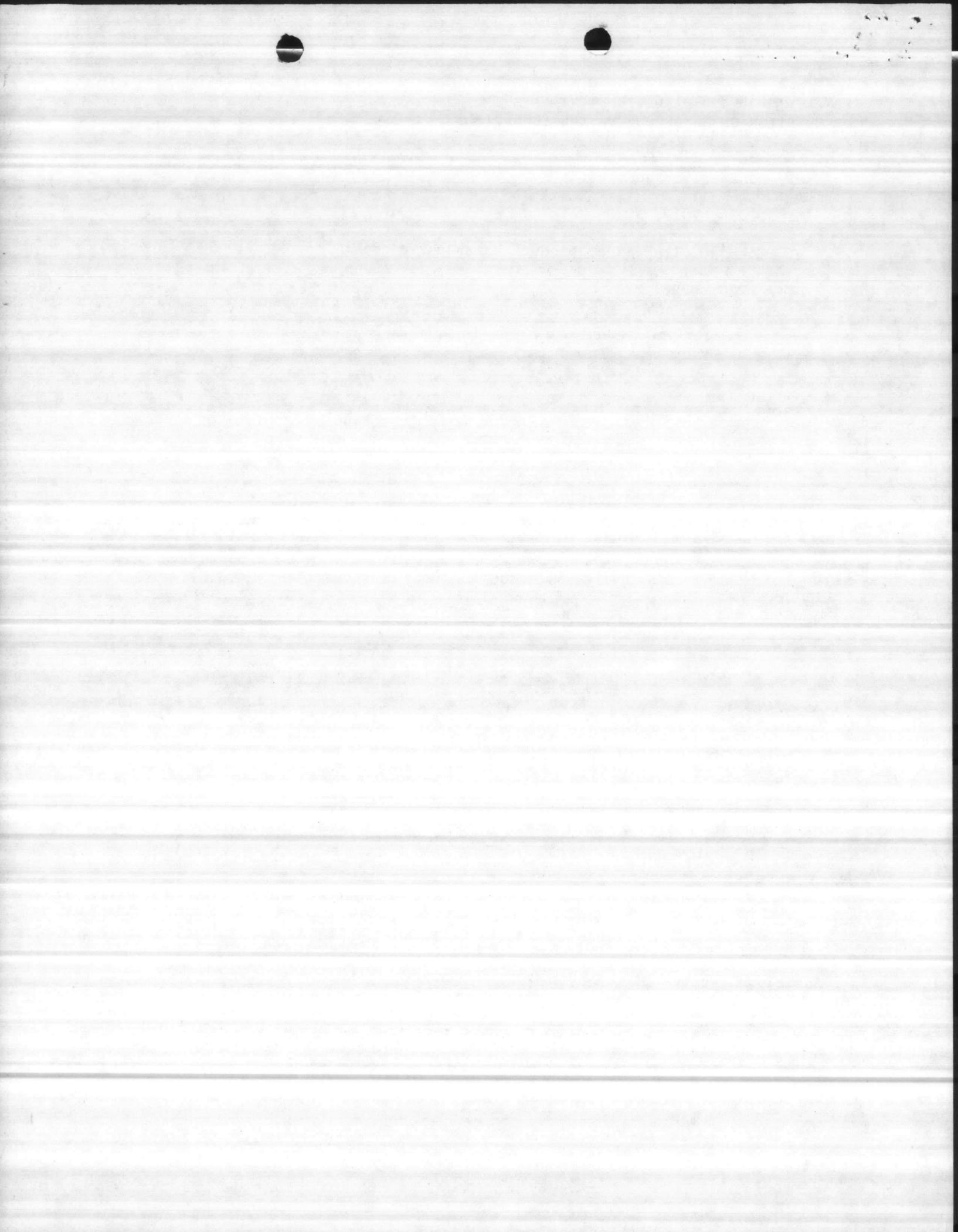
a. Nonspecific sources:

F004, F017, F018

c. Commercial chemical product hazardous wastes:

U220, U228, U239

* Additional wastes listed by LANTNAVFACENGCOM





U.S. ENVIRONMENTAL PROTECTION AGENCY
NOTIFICATION OF HAZARDOUS WASTE ACTIVITY

INSTRUCTIONS: If you received a preprinted label, affix it in the space at left. If any of the information on the label is incorrect, draw a line through it and supply the correct information in the appropriate section below. If the label is complete and correct, leave Items I, II, and III below blank. If you did not receive a preprinted label, complete all items. "Installation" means a single site where hazardous waste is generated, treated, stored and/or disposed of, or a transporter's principal place of business. Please refer to the INSTRUCTIONS FOR FILING NOTIFICATION before completing this form. The information requested herein is required by law (Section 3010 of the Resource Conservation and Recovery Act).

INSTALLATION'S EPA I.D. NO.
I. NAME OF INSTALLATION
II. INSTALLATION MAILING ADDRESS
III. LOCATION OF INSTALLATION

PLEASE PLACE LABEL IN THIS SPACE

FOR OFFICIAL USE ONLY

COMMENTS

Grid for comments with columns 15, 16, and 55.

INSTALLATION'S EPA I.D. NUMBER										APPROVED		DATE RECEIVED (yr., mo., & day)									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22

I. NAME OF INSTALLATION

MARINE CORPS AIR STATION CHERRY POINT

II. INSTALLATION MAILING ADDRESS

STREET OR P.O. BOX																						
3	C	O	M	M	A	N	D	I	N	G	G	E	N	E	R	A	L					
CITY OR TOWN										ST.		ZIP CODE										
4	M	C	A	S	C	H	E	R	R	I	P	O	I	N	T	N	C	2	8	5	3	3

III. LOCATION OF INSTALLATION

STREET OR ROUTE NUMBER																					
5	S	A	M	E																	
CITY OR TOWN										ST.		ZIP CODE									
6																					

IV. INSTALLATION CONTACT

NAME AND TITLE (last, first, & job title)															PHONE NO. (area code & no.)																							
2	S	P	I	E	R	S	,	J	A	M	E	S	E	N	V	I	R	A	F	F	A	I	R	S	O	F	9	1	9	-	4	6	6	-	3	6	3	1

V. OWNERSHIP

A. NAME OF INSTALLATION'S LEGAL OWNER																						
8	U	S	G	O	V	E	R	N	M	E	N	T										

B. TYPE OF OWNERSHIP (enter the appropriate letter into box)

F = FEDERAL	
M = NON-FEDERAL	F

VI. TYPE OF HAZARDOUS WASTE ACTIVITY (enter "X" in the appropriate box(es))

<input checked="" type="checkbox"/> A. GENERATION	<input type="checkbox"/> B. TRANSPORTATION (complete item VII)
<input checked="" type="checkbox"/> C. TREAT/STORE/DISPOSE	<input checked="" type="checkbox"/> D. UNDERGROUND INJECTION

VII. MODE OF TRANSPORTATION (transporters only - enter "X" in the appropriate box(es))

<input type="checkbox"/> A. AIR	<input type="checkbox"/> B. RAIL	<input type="checkbox"/> C. HIGHWAY	<input type="checkbox"/> D. WATER	<input type="checkbox"/> E. OTHER (specify):
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VIII. FIRST OR SUBSEQUENT NOTIFICATION

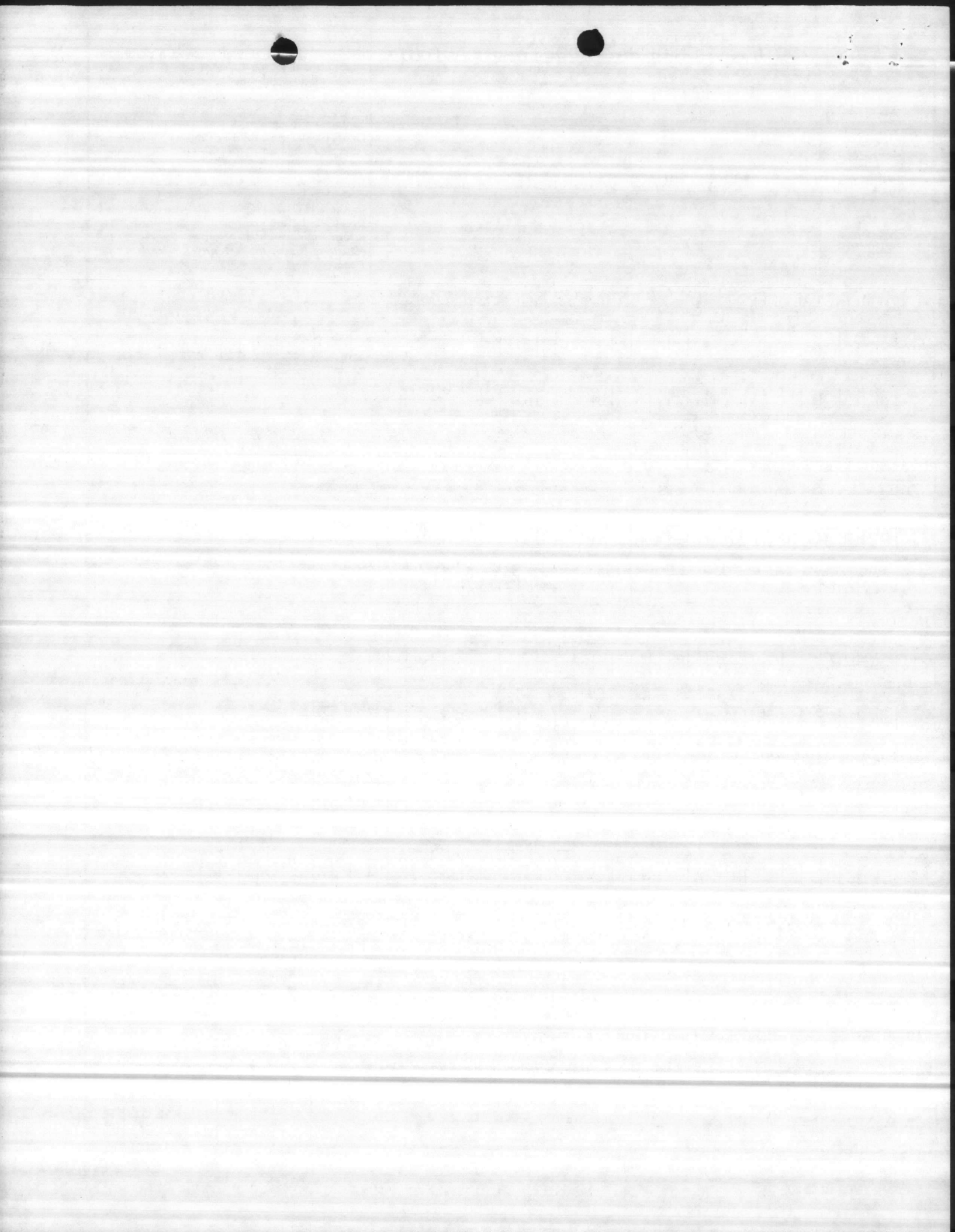
Mark "X" in the appropriate box to indicate whether this is your installation's first notification of hazardous waste activity or a subsequent notification. If this is not your first notification, enter your Installation's EPA I.D. Number in the space provided below.

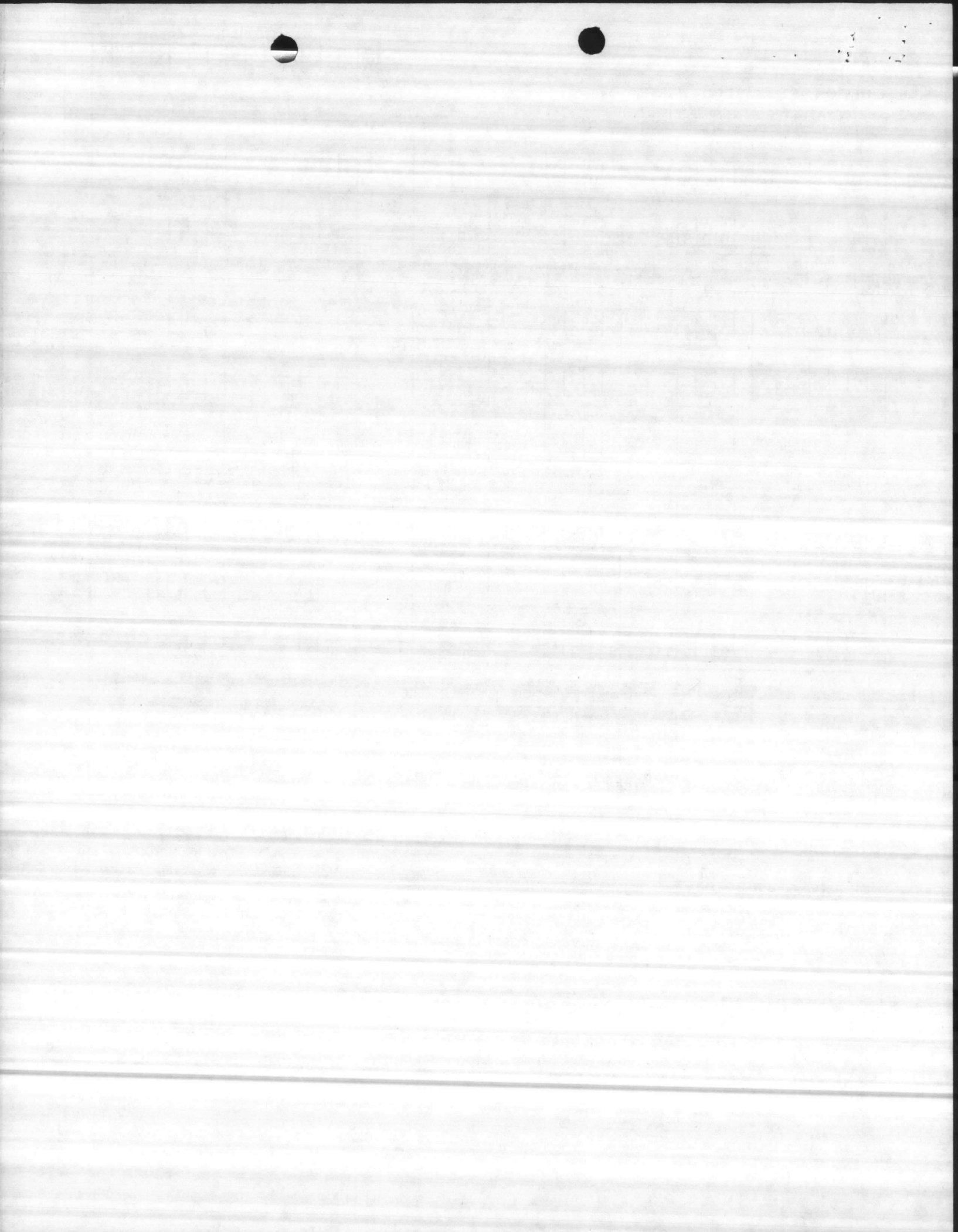
<input checked="" type="checkbox"/> A. FIRST NOTIFICATION	<input type="checkbox"/> B. SUBSEQUENT NOTIFICATION (complete item C)
---	---

C. INSTALLATION'S EPA I.D. NO.									

IX. DESCRIPTION OF HAZARDOUS WASTES

Please go to the reverse of this form and provide the requested information.





IX. Continuation

A. F018

B.

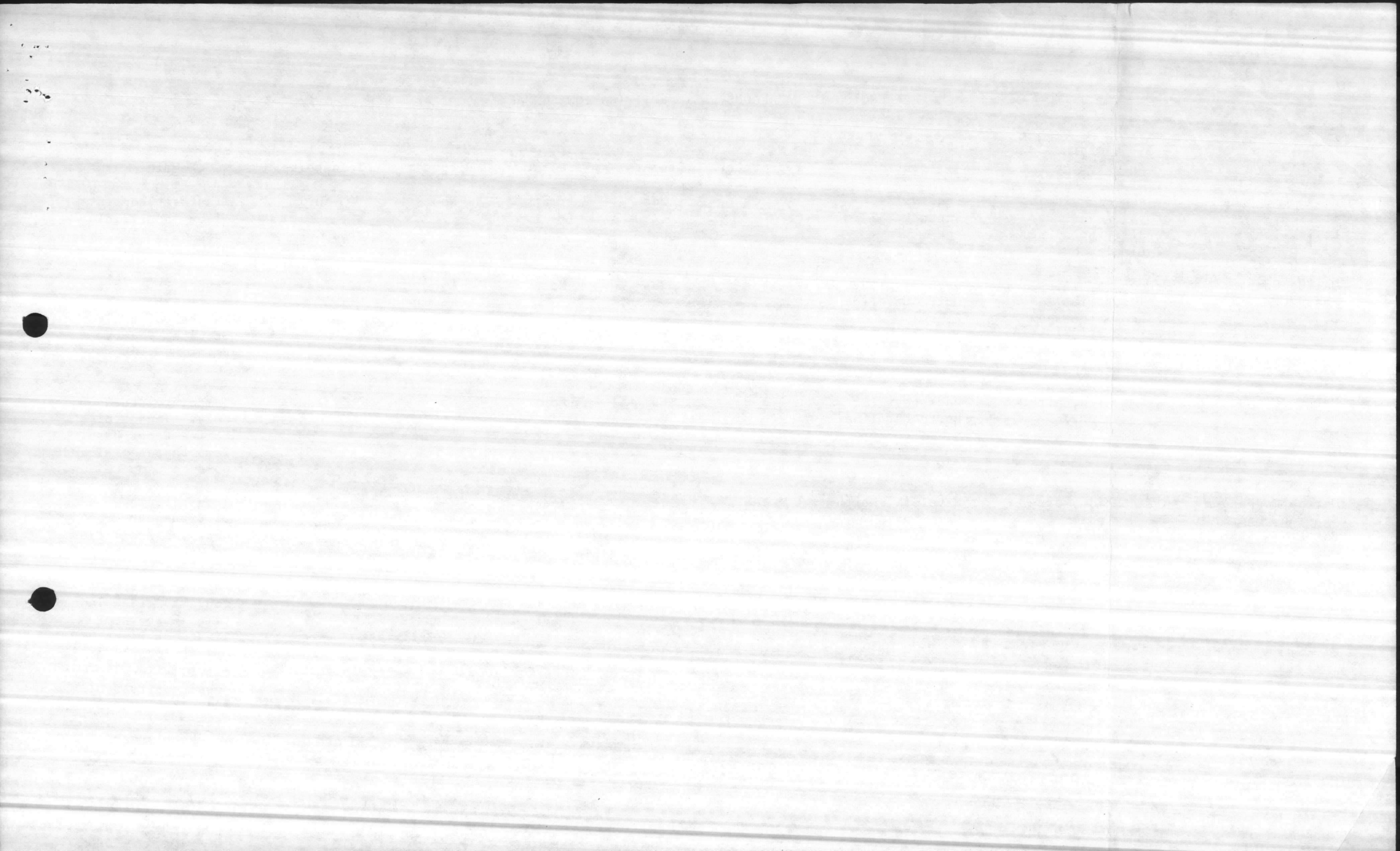
C.	U052	U056	U108	U117	U121	U122
	U123	U134	U144	U151	U154	U159
	U160	U161	U165	U188	U211	U220
	U226	U239	P001	P008		



43

EPA REGION IV HAZARDOUS WASTE NOTIFICATION SUMMARY

<u>Activity</u>	<u>General Description</u>	<u>Location</u>	<u>Generator</u>	<u>Storer</u>	<u>Treater</u>	<u>Disposer</u>	<u>Transporter</u>	<u>Remarks</u>
1. Naval Ordnance Station, Louisville	Ordnance/equipment storage/handling/repair (including plating)	Louisville, Kentucky	Yes	Yes	Yes	No	No	Treatment consists of an Industrial Wastewater Treatment Plant.
2. Marine Corps Base, Camp Lejeune	Weapons training, fuel/supplies/ordnance storage/handling (fuel tanks/warehouses/magazines)	Jacksonville, North Carolina	Yes	Yes	No	No	Yes	Transport consists of transport to Marine Corps Air Station, Cherry Point.
3. Marine Corps Air Station, New River	Air station, aircraft (minor) repair	Jacksonville, North Carolina	Yes	No	No	No	Yes	Temporary storage only. Tenant of Marine Corps Base, Camp Lejeune. Transport to Camp Lejeune.
4. Marine Corps Air Station, Cherry Point	Air station, aircraft repair (including plating)	Havelock, North Carolina	Yes	Yes	Yes	Yes	?	Transport may consist of transport from outlying facilities to Marine Corps Air Station, Cherry Point. Treatment consists of an Industrial Wastewater Treatment Plant and (planned) solvent distillation. Disposal consists of the Industrial Wastewater Treatment Plant sludge disposal.



<u>Activity</u>	<u>General Description</u>	<u>Location</u>	<u>Generator</u>	<u>Storer</u>	<u>Treater</u>	<u>Disposer</u>	<u>Transporter</u>	<u>Remarks</u>
5. Naval Facility, Cape Hatteras	Collect oceano- graphic data	Cape Hatteras, North Carolina	No	No	No	No	No	-

NOTE: (1) No underground injection of hazardous waste.

(2) Temporary storage only (awaiting contract disposal) for all of the above activities and their outlying facilities except for the "disposal" (permanent storage) site list from Marine Corps Air Station, Cherry Point.

(3) There are Defense Property Disposal Offices (DPDOs) located at Marine Corps Air Station, Cherry Point; Marine Corps Base, Camp Lejeune; and Naval Ordnance Station, Louisville. The Hazardous Waste Notifications will be forwarded via separate correspondence since DPDOs are Department of Defense activities (i.e. not in the USN chain of command). Please be advised that the DPDOs have recently been directed to dispose of hazardous wastes for all of the armed services. Point of contact for DPDOs is Defense Logistics Agency, Cameron Station, Alexandria, VA 22314 (202-274-7503).



ASSISTANT CHIEF OF STAFF, FACILITIES
HEADQUARTERS, MARINE CORPS BASE

DATE

2-4-81

TO:

BASE MAINT O

PUBLIC WORKS O

COMM-ELECT O

MOTOR TRANSPORT O

ATTN: _____

DIR, QUARTERS & HOUSING

DIR, BOQ/BSQ

BASE FIRE CHIEF

1. Attached is forwarded for info/action.

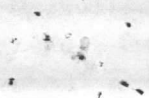
2. Please initial, or comment, and return all papers to this office.

3. Your file copy

S.C. Pruitt
83y dir

File
JL Wooten
24 Feb 81

"LET'S THINK OF A FEW REASONS
WHY IT CAN BE DONE"





DEPARTMENT OF THE NAVY
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA 23511

TELEPHONE NO.
444-4923
Autovon 690-4923
IN REPLY REFER TO:

114:PAR
6280

02 FEB 1981

CERTIFIED MAIL RETURN RECEIPT REQUESTED

U.S. Environmental Protection Agency
Region IV
RCRA Activities
345 Courtland Street, NE
Atlanta, GA 30308

Gentlemen:

This Command's letter of 18 August 1980 stated that the Marine Corps Air Station, New River (MCAS NEW RIVER), should be listed as a transporter of hazardous wastes. Based upon a recent agreement between the MCAS NEW RIVER, and the Marine Corps Base, Camp Lejeune (MCB CAMP LEJEUNE), MCAS NEW RIVER will no longer be a transporter of hazardous wastes. Transport of hazardous wastes will be provided either by MCB CAMP LEJEUNE or by a permitted contract carrier. MCAS NEW RIVER should, therefore, be deleted from your list as a hazardous waste transporter. A copy of the MCAS NEW RIVER request to this Command is enclosed for your file. If you have any questions concerning this correspondence, please contact this Command, Code 114, Mr. Paul Rakowski, (804) 444-4923 or Mr. Steve Olson at (804) 444-4963.

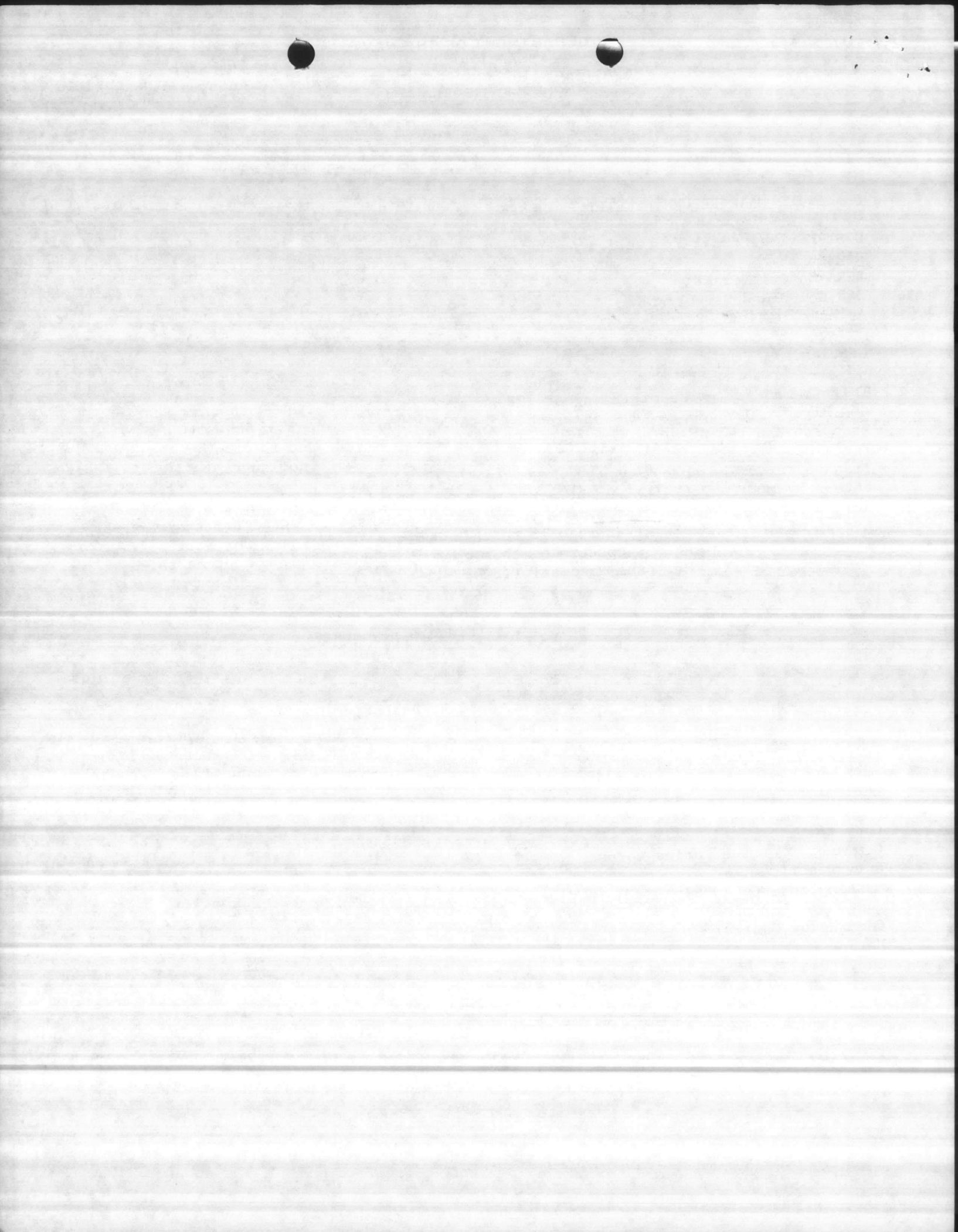
Sincerely yours,

J. R. BAILEY, P.E.
Head, Environmental Quality Branch
Utilities, Energy and Environmental Division
By direction of the Commander

Enclosure

Copy to:
Commandant of the Marine Corps
Navy Department
Washington, DC 20380

Commanding General
Marine Corps Base
Camp Lejeune, NC 28542



114:PAR
6280

Copy to: (cont.)

Commanding Officer
Marine Corps Air Station
New River
Jacksonville, NC 28545

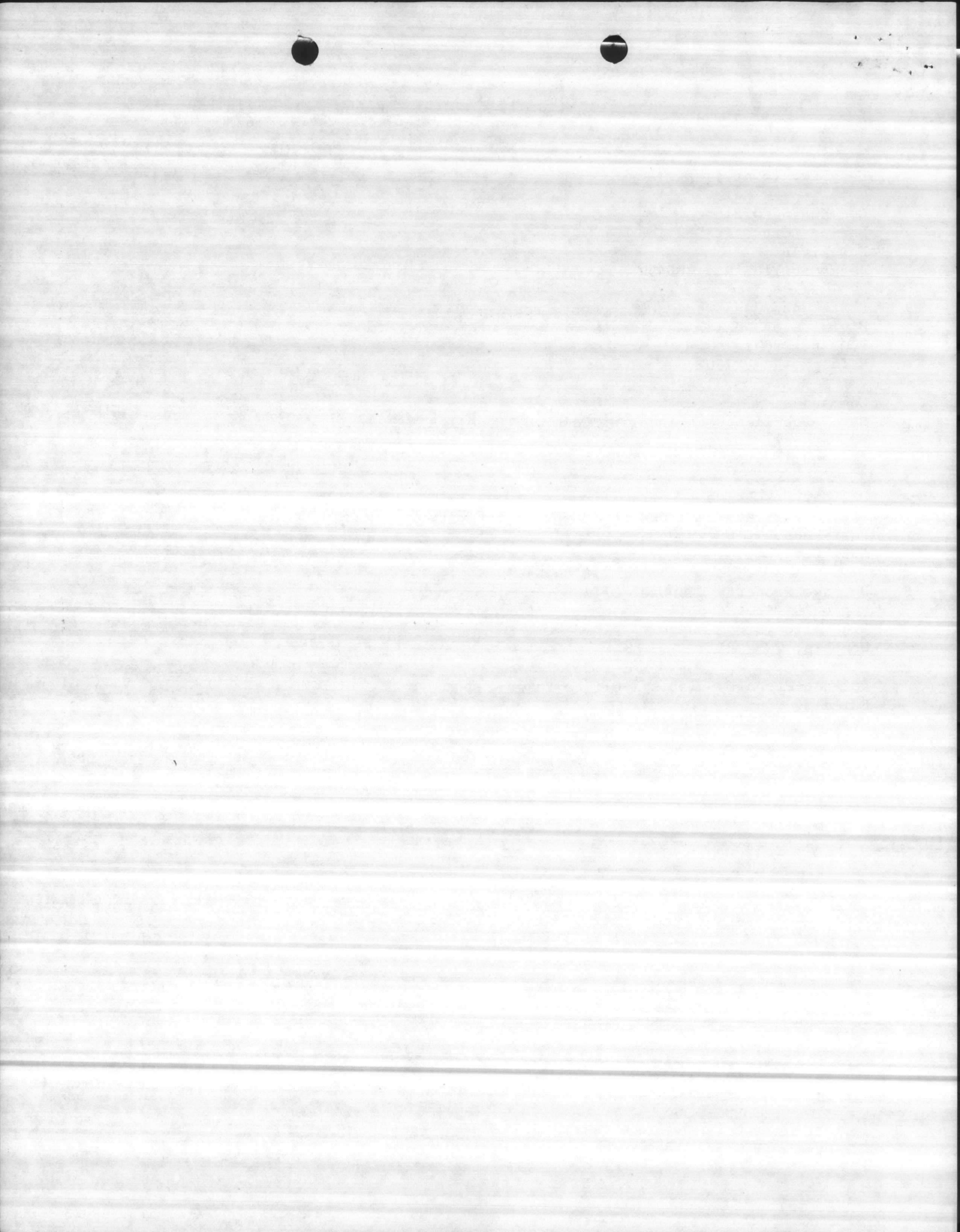
State Hazardous Waste Management Program
Division of Health Services
P.O. Box 2091
Raleigh, NC 27602

Commander
Naval Facilities Engineering Command (Code 112)
200 Stovall Street
Alexandria, VA 22332

Officer in Charge
Navy Energy and Environmental Support Activity
Port Hueneme, CA 93043
Att: Code 20

Defense Property Disposal Office
Region Office Memphis
2163 Airways Boulevard
Memphis, TN 38114

Defense Property Disposal Office Lejeune
Building 906
Camp Lejeune, NC 28542



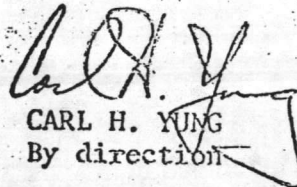


UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
(HELICOPTER)
NEW RIVER, JACKSONVILLE
NORTH CAROLINA 28545

222:MEW:mla
6280
10 Dec 1980

From: Commanding Officer
To: Commander (Code 114), Atlantic Division, Naval Facilities
Engineering Command, Norfolk, Virginia 23511
Subj: Notification of Hazardous Waste Activity; subsequent submission
Ref: (a) PhoneCon between Mr. Paul RAKOWSKI, your activity and
Mrs. Mary WHEAT, Marine Corps Air Station (Helicopter),
New River Ground Safety Specialist, on 25 Nov 1980

1. As discussed during the reference, it is requested that the subject notification to the Environmental Protection Agency (EPA) be amended to delete this command as a transporter of hazardous wastes. Marine Corps Base, Camp Lejeune has agreed to transport all hazardous wastes between the two commands.


CARL H. YUNG
By direction

Copy to:
CG, MCB, CLNC

Enclosure

