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6/9/88
Jm

6280/2
FAC
JUN 7 1988

Mr. James H. Scarborough
Region IV
U.S. Environmental Protection Agency
345 Courtland Street, NE
Atlanta, Georgia 30365

Re: Revised RCRA Part A Application
EPA ID No. NC 6170022580
Disposal of Munitions

Dear Mr. Scarborough:

In accordance with 40 CFR, Part 270.10, and your letter of May 2, 1988, we are forwarding a revised Part A application pertaining to disposal of munitions by open burning or open detonation. This submission follows guidance in recently published regulations under 40 CFR 264, Subpart X, as well as numerous discussions between military and EPA staff. This permit application furnishes facts regarding the facility necessary to process a permit for the open burning/open detonation of waste explosives. All previous Part A and Part B applications submitted by Marine Corps Base, Camp Lejeune, North Carolina reflect facts which are still applicable to this installation.

We will submit an RCRA Part B permit application for this activity on or before November 8, 1988 as you have requested. We are planning a meeting with the North Carolina Hazardous Waste Branch to review our progress in permit preparation. For further information on this matter, please contact Mr. Bob Alexander, Marine Corps Base Environmental Engineer, at (919) 451-3034.

Sincerely,

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

- Encl: (1) EPA Forms 1 and 3: Hazardous Waste Application
(2) Vicinity Maps
(3) Site Location Maps, K-2 and G-10 Areas
(4) Aerial photo, scale 1" = 1,320'
(5) Camp Lejeune Combat Chart, scale 1:50,000

JUN 7 1988

U.S. Environmental Protection Agency
401 Duane Street
Atlanta, Georgia 30340

In accordance with the EPA Part 159.10, you are invited to participate in the review of your application for a permit to discharge pollutants into navigable waters. This notice is being sent to you because you have been identified as a potential violator of the Clean Water Act. The information provided in this notice is for your information only and does not constitute an admission of guilt. You are invited to provide a written response to this notice within the time period specified.

As will be noted, the EPA Part 159.10 requires that you provide a written response to this notice within the time period specified. The information provided in this notice is for your information only and does not constitute an admission of guilt. You are invited to provide a written response to this notice within the time period specified.

By direction of the Administrator
U.S. Environmental Protection Agency
401 Duane Street
Atlanta, Georgia 30340

6280/2
FAC

JUN 7 1988

Mr. James H. Scarborough
Region IV
U.S. Environmental Protection Agency
345 Courtland Street, NE
Atlanta, Georgia 30365

Re: Revised RCRA Part A Application
EPA ID No. NC 6170022580
Disposal of Munitions

Dear Mr. Scarborough:

In accordance with 40 CFR, Part 270.10, and your letter of May 2, 1988, we are forwarding a revised Part A application pertaining to disposal of munitions by open burning or open detonation. This submission follows guidance in recently published regulations under 40 CFR 264, Subpart X, as well as numerous discussions between military and EPA staff. This permit application furnishes facts regarding the facility necessary to process a permit for the open burning/open detonation of waste explosives. All previous Part A and Part B applications submitted by Marine Corps Base, Camp Lejeune, North Carolina reflect facts which are still applicable to this installation.

We will submit an RCRA Part B permit application for this activity on or before November 8, 1988 as you have requested. We are planning a meeting with the North Carolina Hazardous Waste Branch to review our progress in permit preparation. For further information on this matter, please contact Mr. Bob Alexander, Marine Corps Base Environmental Engineer, at (919) 451-3034.

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(2) Vicinity Maps
(3) Site Location Maps, K-2 and G-10 Areas
(4) Aerial photo, scale 1" = 1,320'
(5) Camp Lejeune Combat Chart, scale 1:50,000

Copy to: (w/o encl 4)
N.C. Hazardous Waste Branch
CMC (Code LFL)
LANTNAVFACENGCOM (Code 114)

Blind copy to:
AC/S, Trng&Ops
AC/S, Log
SJA
NREAD
EnvEngr



1911-12
1912-13
1913-14

1914-15
1915-16
1916-17
1917-18
1918-19



FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION
Consolidated Permits Program
(Read the "General Instructions" before starting.)

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

I. EPA I.D. NUMBER

NC 61 70 022 580

GENERAL INSTRUCTIONS

If a preprinted label has been provided, affix it in the designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and correct, you need not complete items I, III, V, and VI (except VI-B which must be completed regardless). Complete all items if no label has been provided. Refer to the instructions for detailed item descriptions and for the legal authorizations under which this data is collected.

II. POLLUTANT CHARACTERISTICS

INSTRUCTIONS: Complete A through J to determine whether you need to submit any permit application forms to the EPA. If you answer "yes" to any questions, you must submit this form and the supplemental form listed in the parenthesis following the question. Mark "X" in the box in the third column if the supplemental form is attached. If you answer "no" to each question, you need not submit any of these forms. You may answer "no" if your activity is excluded from permit requirements; see Section C of the instructions. See also, Section D of the instructions for definitions of bold-faced terms.

SPECIFIC QUESTIONS	MARK 'X'			SPECIFIC QUESTIONS	MARK 'X'		
	YES	NO	FORM ATTACHED		YES	NO	FORM ATTACHED
A. Is this facility a publicly owned treatment works which results in a discharge to waters of the U.S.? (FORM 2A)		X		B. Does or will this facility (either existing or proposed) include a concentrated animal feeding operation or aquatic animal production facility which results in a discharge to waters of the U.S.? (FORM 2B)		X	
C. Is this a facility which currently results in discharges to waters of the U.S. other than those described in A or B above? (FORM 2C)		X		D. Is this a proposed facility (other than those described in A or B above) which will result in a discharge to waters of the U.S.? (FORM 2D)		X	
E. Does or will this facility treat, store, or dispose of hazardous wastes? (FORM 3)	X			F. Do you or will you inject at this facility industrial or municipal effluent below the lowermost stratum containing, within one quarter mile of the well bore, underground sources of drinking water? (FORM 4)		X	
G. Do you or will you inject at this facility any produced water or other fluids which are brought to the surface in connection with conventional oil or natural gas production, inject fluids used for enhanced recovery of oil or natural gas, or inject fluids for storage of liquid hydrocarbons? (FORM 4)		X		H. Do you or will you inject at this facility fluids for special processes such as mining of sulfur by the Frasch process, solution mining of minerals, in situ combustion of fossil fuel, or recovery of geothermal energy? (FORM 4)		X	
I. Is this facility a proposed stationary source which is one of the 28 industrial categories listed in the instructions and which will potentially emit 100 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X		J. Is this facility a proposed stationary source which is NOT one of the 28 industrial categories listed in the instructions and which will potentially emit 250 tons per year of any air pollutant regulated under the Clean Air Act and may affect or be located in an attainment area? (FORM 5)		X	

III. NAME OF FACILITY

1 SKIP U. S. MARINE CORPS BASE

IV. FACILITY CONTACT

A. NAME & TITLE (last, first, & title)

2 ALEXANDER ROBERT ENVIR ENGR

B. PHONE (area code & no.)

919 451 3034

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX

3 FACILITIES DEPARTMENT

B. CITY OR TOWN

4 CAMP LEJEUNE

C. STATE

NC

D. ZIP CODE

28542

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER

5 BUILDING 1

B. COUNTY NAME

ONSLOW

C. CITY OR TOWN

6 CAMP LEJEUNE

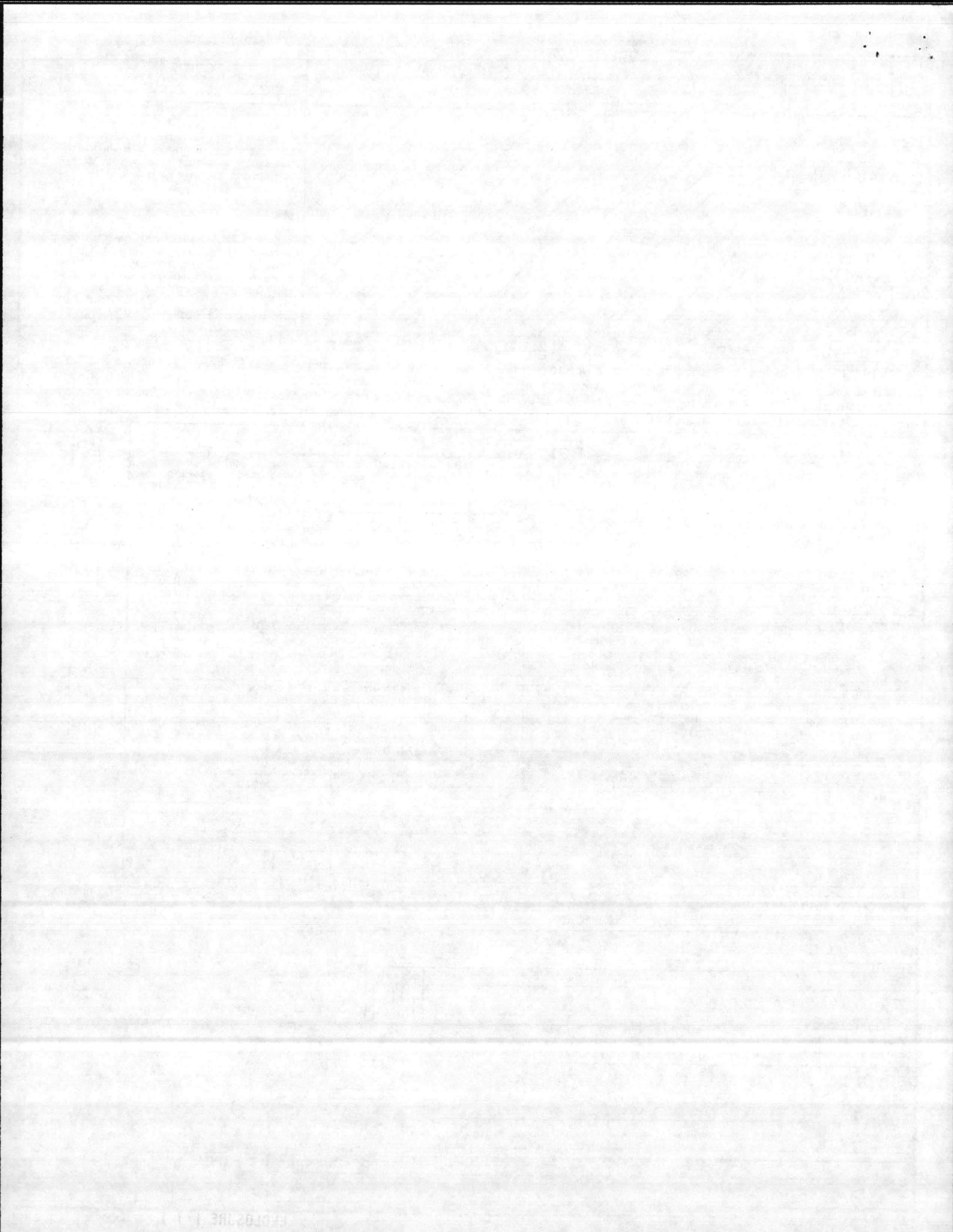
D. STATE

NC

E. ZIP CODE

28542

F. COUNTY CODE (if known)



VII. SIC CODES (4-digit, in order of priority)

A. FIRST				B. SECOND			
C	7	9	7	1	1	(specify)	NATIONAL SECURITY
13	14	15	16	17	18	19	
C. THIRD				D. FOURTH			
C	7	(specify)	(specify)	(specify)	(specify)	(specify)	(specify)
13	14	15	16	17	18	19	

VIII. OPERATOR INFORMATION

A. NAME										B. Is the name listed in Item VIII-A also the owner?	
C	8	COMMANDING GENERAL MARINE CORPS BASE								<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO 66	
13	14										
C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)										D. PHONE (area code & no.)	
F - FEDERAL		M - PUBLIC (other than federal or state)		F (specify)		9		1		9	
S - STATE		O - OTHER (specify)				4		5		1	
P - PRIVATE						3		0		3	
E. STREET OR P.O. BOX											
F. CITY OR TOWN										G. STATE	
H. ZIP CODE										IX. INDIAN LAND	
										Is the facility located on Indian lands?	
										<input type="checkbox"/> YES <input type="checkbox"/> NO 52	

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water)						D. PSD (Air Emissions from Proposed Sources)					
C	9	N	NC0063029			C	9	P			
13	14	15	16	17	18	19	20	21	22	23	24
B. UIC (Underground Injection of Fluids)						E. OTHER (specify)					
C	9	U				C	9				(specify)
13	14	15	16	17	18	19	20	21	22	23	24
C. RCRA (Hazardous Wastes)						E. OTHER (specify)					
C	9	R	NC170022580			C	9				(specify)
13	14	15	16	17	18	19	20	21	22	23	24

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property boundaries. The map must show the outline of the facility, the location of each of its existing and proposed intake and discharge structures, each of its hazardous waste treatment, storage, or disposal facilities, and each well where it injects fluids underground. Include all springs, rivers and other surface water bodies in the map area. See instructions for precise requirements.

XII. NATURE OF BUSINESS (provide a brief description)

Military training and supporting activities.

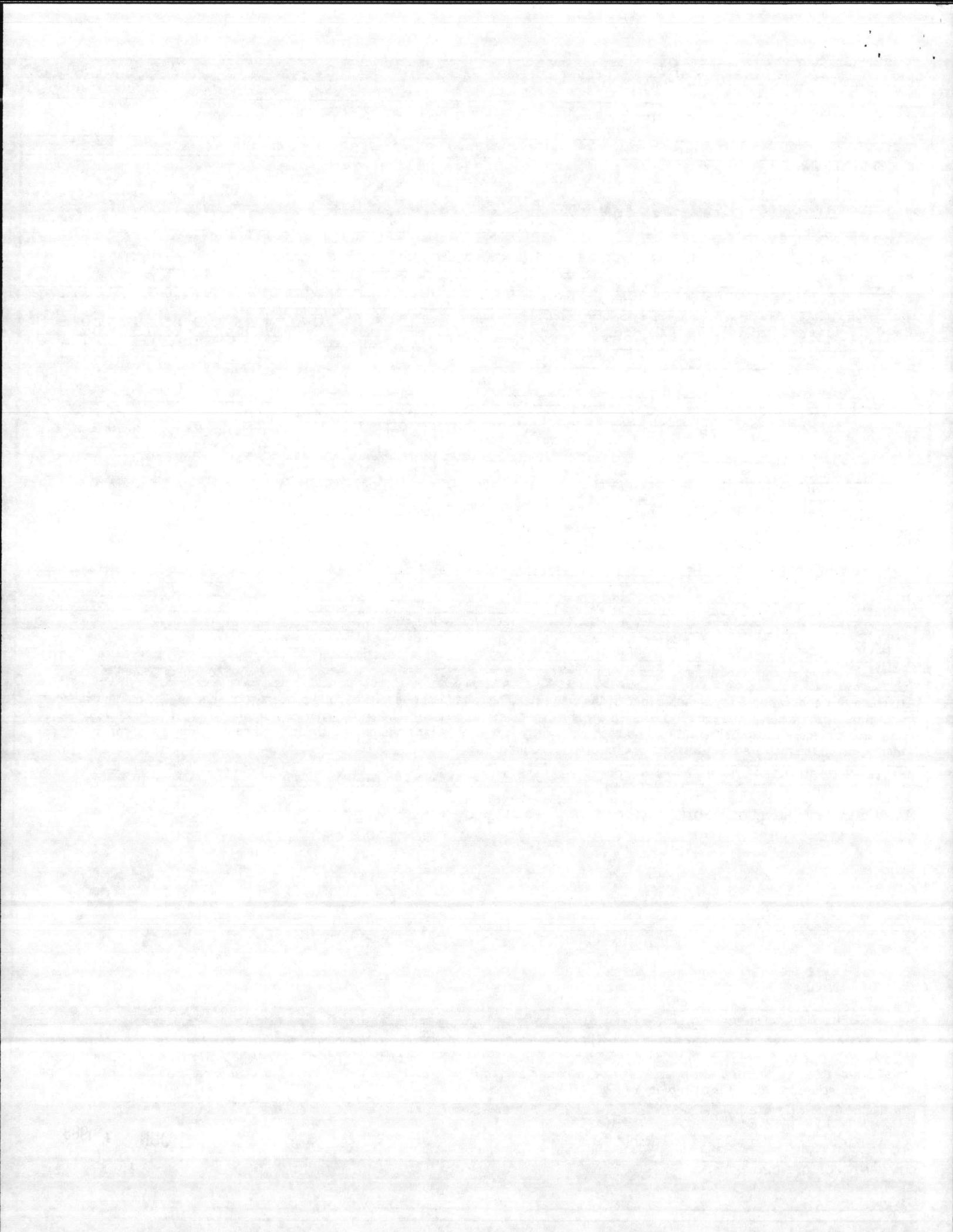
XIII. CERTIFICATION (see instructions)

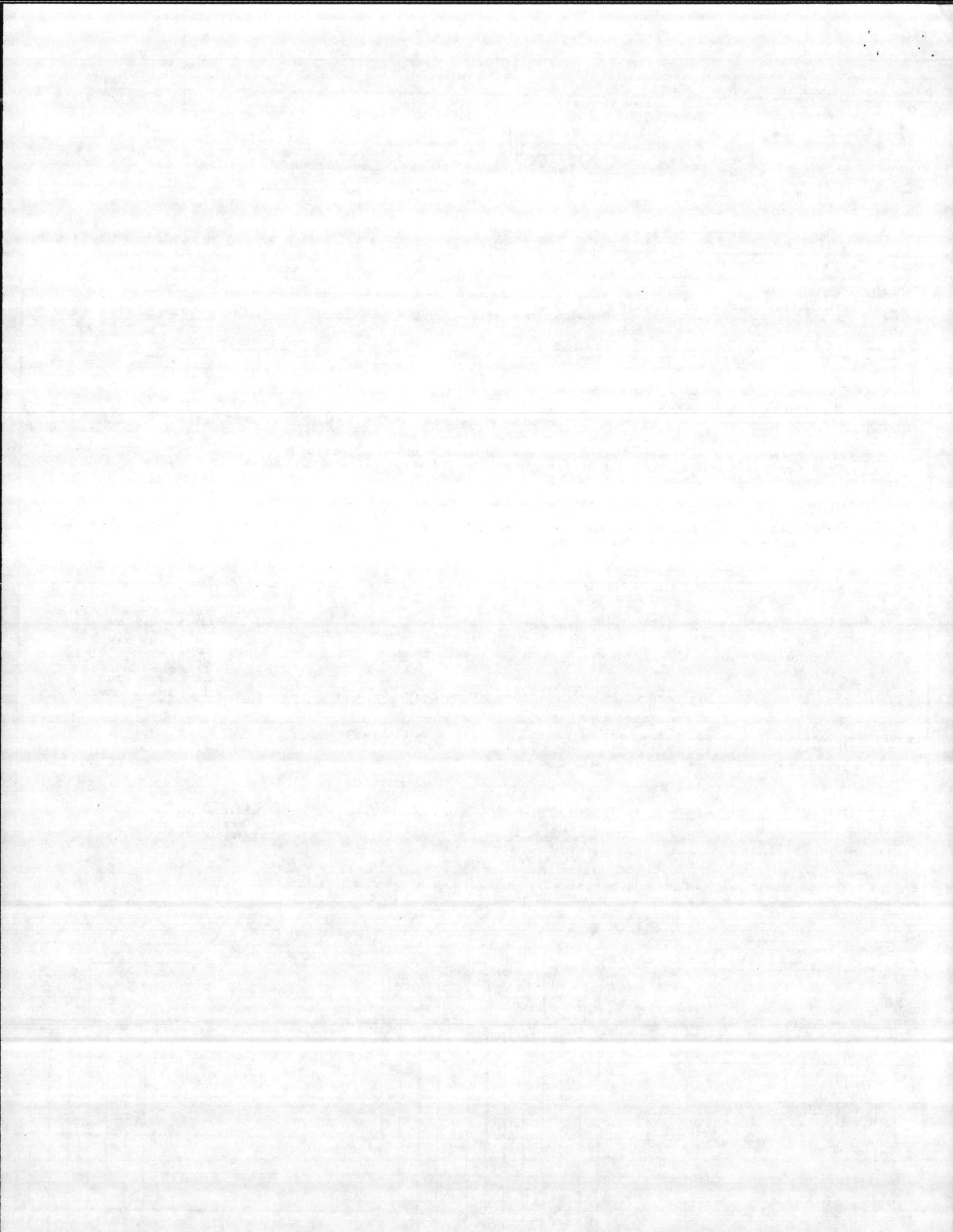
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attachments and that, based on my inquiry of those persons immediately responsible for obtaining the information contained in the application, I believe that the information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

A. NAME & OFFICIAL TITLE (type or print)	B. SIGNATURE	C. DATE SIGNED
THOMAS J. DALZELL, COL, USMC Assistant Chief of Staff, Facilities By direction of the Commanding General		JUN 7 1988

COMMENTS FOR OFFICIAL USE ONLY

C	
13	14





III. PROCESSES (continued)

C. SPACE FOR ADDITIONAL PROCESS CODES OR FOR DESCRIBING OTHER PROCESSES (code "T04"). FOR EACH PROCESS ENTERED HERE INCLUDE DESIGN CAPACITY.

Grade III munitions are generated as a result of military training operations. These items consist solely of conventional surface munitions. Disposal complies with Operations Publication 5, Naval Sea Systems Command, either by open burning or open detonation.

Munitions are disposed when determined to be unserviceable due to deterioration and/or age or due to instability which presents a threat to personnel and/or property.

This application applies to munitions greater than .50 caliber per EPA Office of Solid Waste and Emergency Response memorandum dated 30 November 1984.

Two sites are operated at Camp Lejeune, in the K-2 and G-10 Impact Areas, depicted on enclosed maps and photographs.

IV. DESCRIPTION OF HAZARDOUS WASTES

A. EPA HAZARDOUS WASTE NUMBER - Enter the four-digit number from 40 CFR, Subpart D for each listed hazardous waste you will handle. If you handle hazardous wastes which are not listed in 40 CFR, Subpart D, enter the four-digit number(s) from 40 CFR, Subpart C that describes the characteristics and/or the toxic contaminants of those hazardous wastes.

B. ESTIMATED ANNUAL QUANTITY - For each listed waste entered in column A estimate the quantity of that waste that will be handled on an annual basis. For each characteristic or toxic contaminant entered in column A estimate the total annual quantity of all the non-listed waste(s) that will be handled which possess that characteristic or contaminant.

C. UNIT OF MEASURE - For each quantity entered in column B enter the unit of measure code. Units of measure which must be used and the appropriate codes are:

ENGLISH UNIT OF MEASURE	CODE	METRIC UNIT OF MEASURE	CODE
POUNDS.....	P	KILOGRAMS.....	K
TONS.....	T	METRIC TONS.....	M

If facility records use any other unit of measure for quantity, the units of measure must be converted into one of the required units of measure taking into account the appropriate density or specific gravity of the waste.

D. PROCESSES

1. PROCESS CODES:

For listed hazardous waste: For each listed hazardous waste entered in column A select the code(s) from the list of process codes contained in Item III to indicate how the waste will be stored, treated, and/or disposed of at the facility.

For non-listed hazardous wastes: For each characteristic or toxic contaminant entered in column A, select the code(s) from the list of process codes contained in Item III to indicate all the processes that will be used to store, treat, and/or dispose of all the non-listed hazardous wastes that possess that characteristic or toxic contaminant.

Note: Four spaces are provided for entering process codes. If more are needed: (1) Enter the first three as described above; (2) Enter "000" in the extreme right box of Item IV-D(1); and (3) Enter in the space provided on page 4, the line number and the additional code(s).

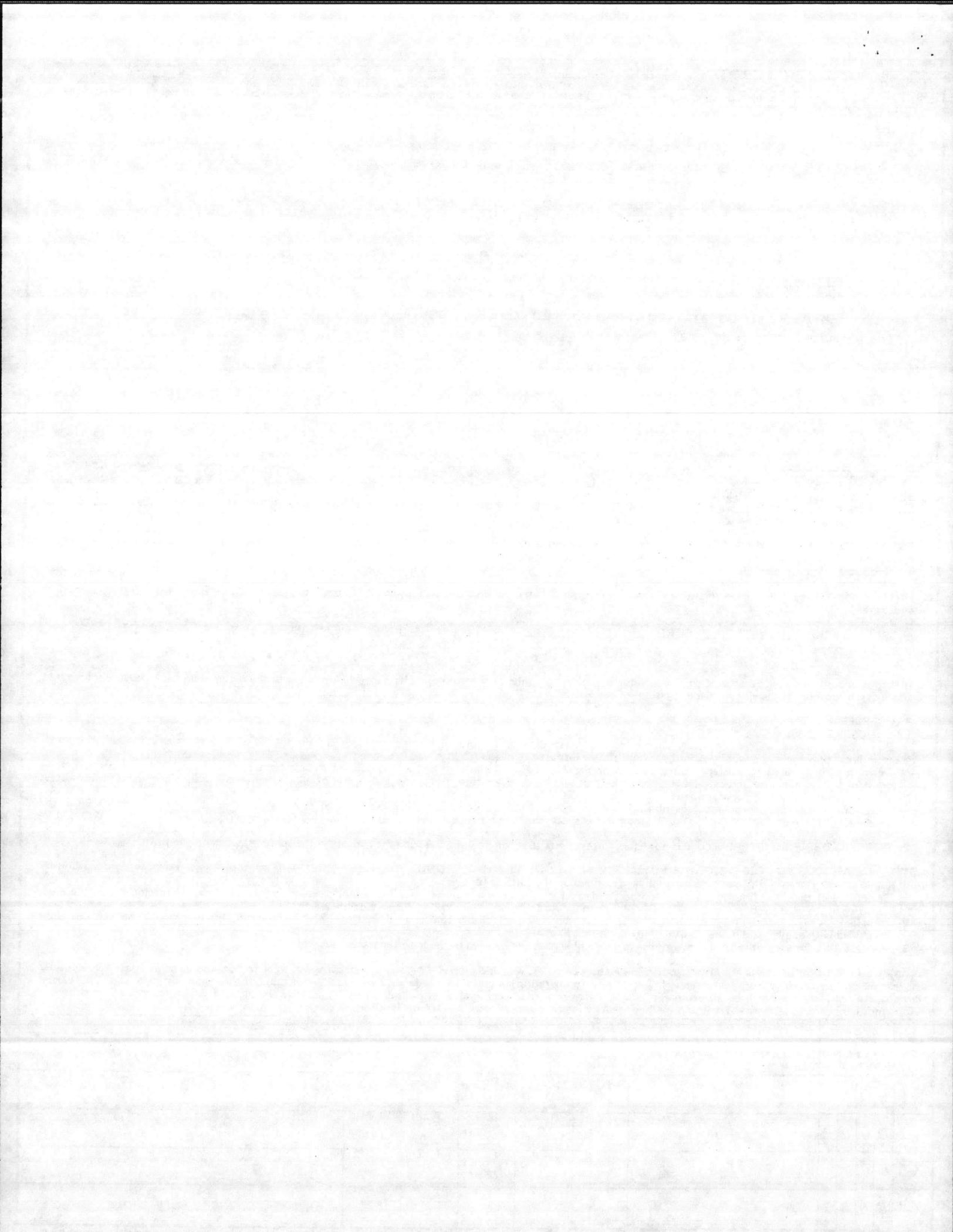
2. PROCESS DESCRIPTION: If a code is not listed for a process that will be used, describe the process in the space provided on the form.

NOTE: HAZARDOUS WASTES DESCRIBED BY MORE THAN ONE EPA HAZARDOUS WASTE NUMBER - Hazardous wastes that can be described by more than one EPA Hazardous Waste Number shall be described on the form as follows:

- Select one of the EPA Hazardous Waste Numbers and enter it in column A. On the same line complete columns B, C, and D by estimating the total annual quantity of the waste and describing all the processes to be used to treat, store, and/or dispose of the waste.
- In column A of the next line enter the other EPA Hazardous Waste Number that can be used to describe the waste. In column D(2) on that line enter "included with above" and make no other entries on that line.
- Repeat step 2 for each other EPA Hazardous Waste Number that can be used to describe the hazardous waste.

EXAMPLE FOR COMPLETING ITEM IV (shown in line numbers X-1, X-2, X-3, and X-4 below) - A facility will treat and dispose of an estimated 900 pounds per year of chrome shavings from leather tanning and finishing operation. In addition, the facility will treat and dispose of three non-listed wastes. Two wastes are corrosive only and there will be an estimated 200 pounds per year of each waste. The other waste is corrosive and ignitable and there will be an estimated 100 pounds per year of that waste. Treatment will be in an incinerator and disposal will be in a landfill.

LINE NO.	A. EPA HAZARD. WASTE NO. (enter code)	B. ESTIMATED ANNUAL QUANTITY OF WASTE	C. UNIT OF MEASURE (enter code)	D. PROCESSES	
				1. PROCESS CODES (enter)	2. PROCESS DESCRIPTION (if a code is not entered in D(1))
X-1	K 0 5 4	900	P	T 0 3 D 8 0	
X-2	D 0 0 2	400	P	T 0 3 D 8 0	
X-3	D 0 0 1	100	P	T 0 3 D 8 0	
X-4	D 0 0 2				included with above



IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

E. USE THIS SPACE TO LIST ADDITIONAL PROCESS CODES FROM ITEM D(1) ON PAGE 3.

EPA I.D. NO. (enter from page 1)

EPA I.D. NO. (enter from page 1)											T/A C			
F	N	C	6	1	7	0	0	2	2	5	8	0		6
1	2												13	14 15

V. FACILITY DRAWING

All existing facilities must include in the space provided on page 5 a scale drawing of the facility (see instructions for more detail).

VI. PHOTOGRAPHS

All existing facilities must include photographs (aerial or ground-level) that clearly delineate all existing structures; existing storage, treatment and disposal areas; and sites of future storage, treatment or disposal areas (see instructions for more detail).

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE (degrees, minutes, & seconds)

LONGITUDE (degrees, minutes, & seconds)

3	4	4	0	0	0	0
65	66	67	68	69	70	71

7	7	2	0	0	0	0
72	73	74	75	76	77	78

VIII. FACILITY OWNER

A. If the facility owner is also the facility operator as listed in Section VIII on Form 1, "General Information", place an "X" in the box to the left and skip to Section IX below.

B. If the facility owner is not the facility operator as listed in Section VIII on Form 1, complete the following items:

1. NAME OF FACILITY'S LEGAL OWNER

2. PHONE NO. (area code & no.)

BRIGADIER GENERAL DONALD R. GARDNER											9		1		9		4		5		1		3		0		3		4						
3. STREET OR P.O. BOX											4. CITY OR TOWN											5. ST.		6. ZIP CODE											
Marine Corps Base											Camp Lejeune											N		C		2		8		5		4		2	

IX. OWNER 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.

A. NAME (print or type)
 THOMAS J. DALZELL, COL, USMC
 Assistant Chief of Staff, Facilities
 By direction of the Commanding General

B. SIGNATURE

C. DATE SIGNED

JUN 7 1988

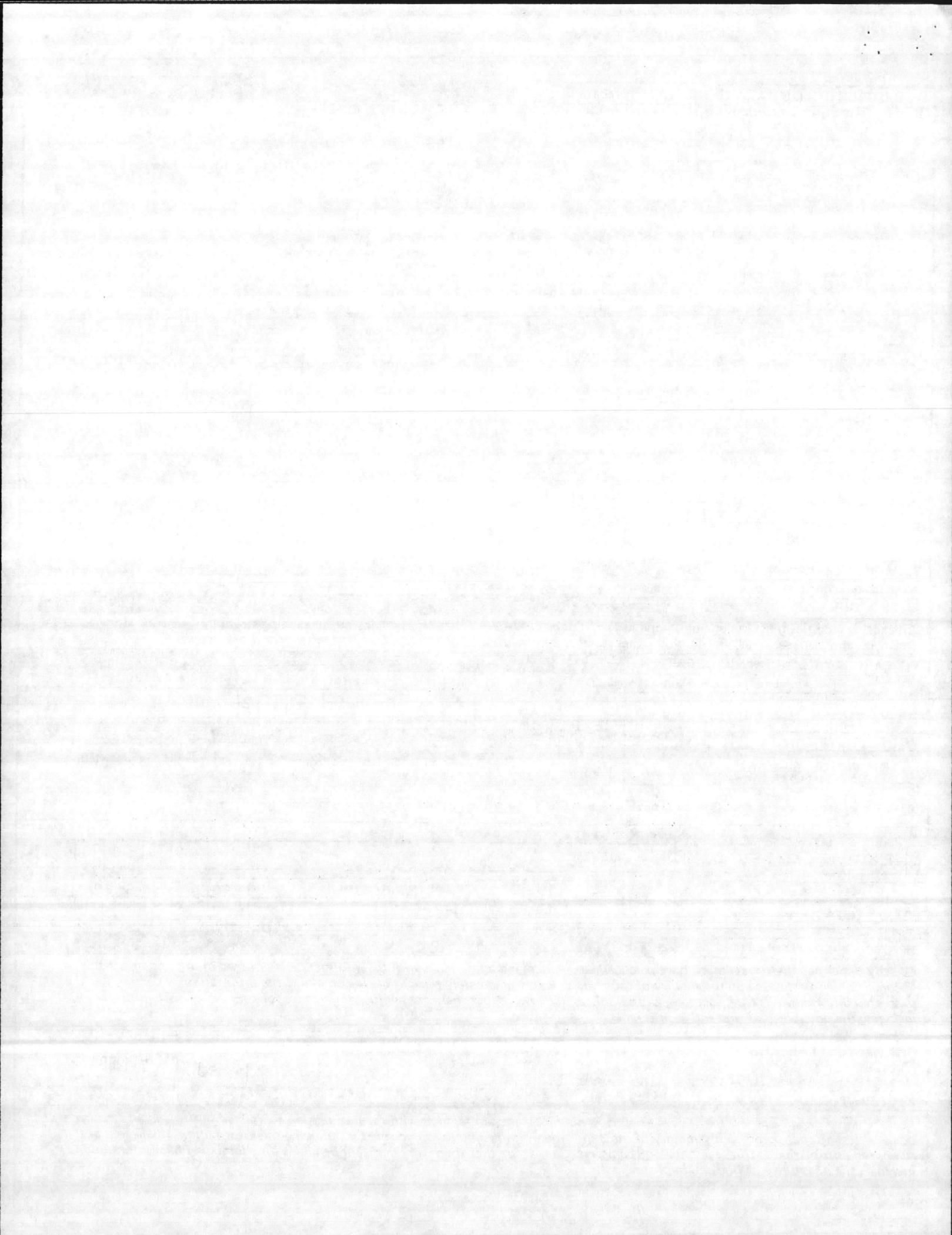
X. OPERATOR CERTIFICATION

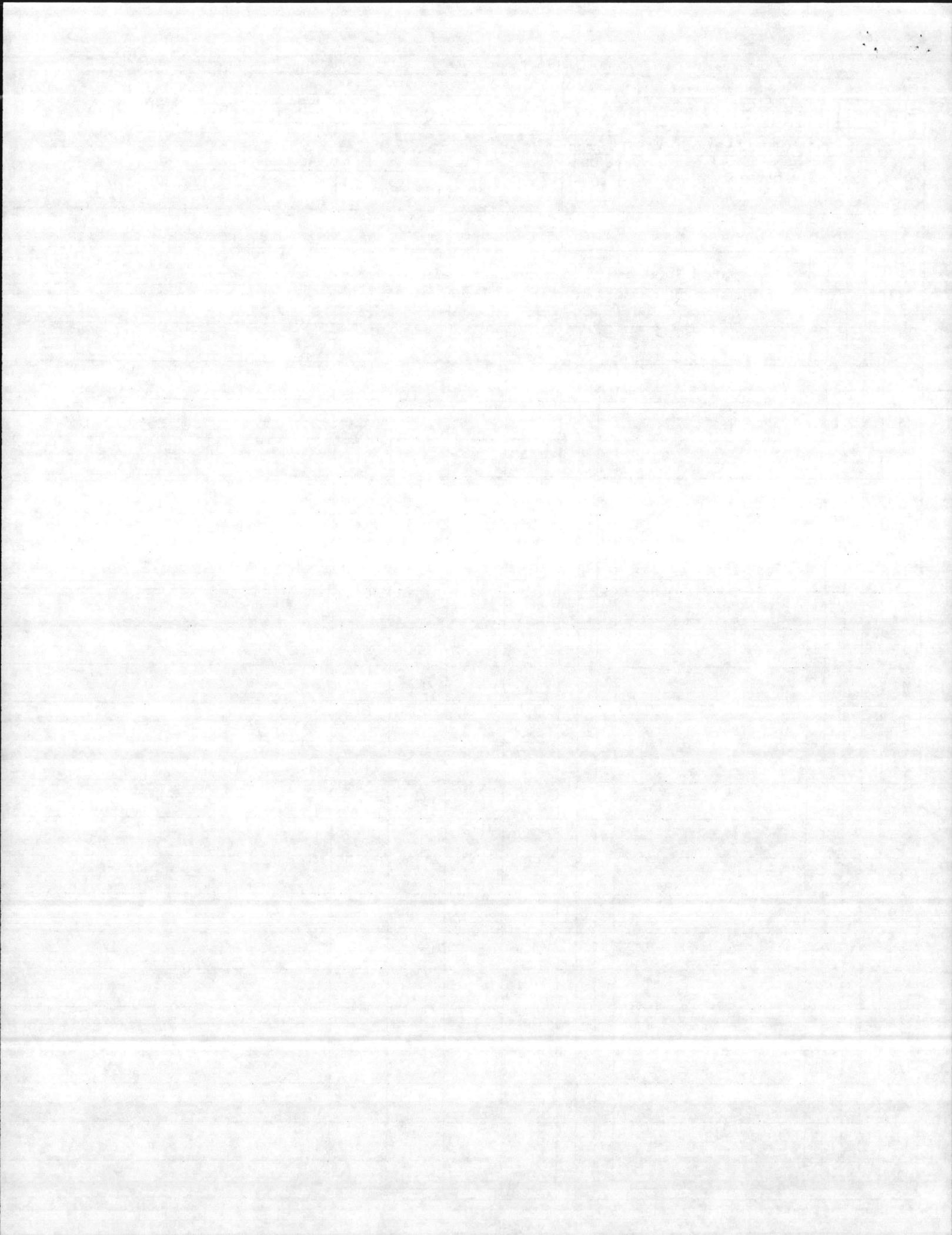
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true,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

A. NAME (print or type)

B. SIGNATURE

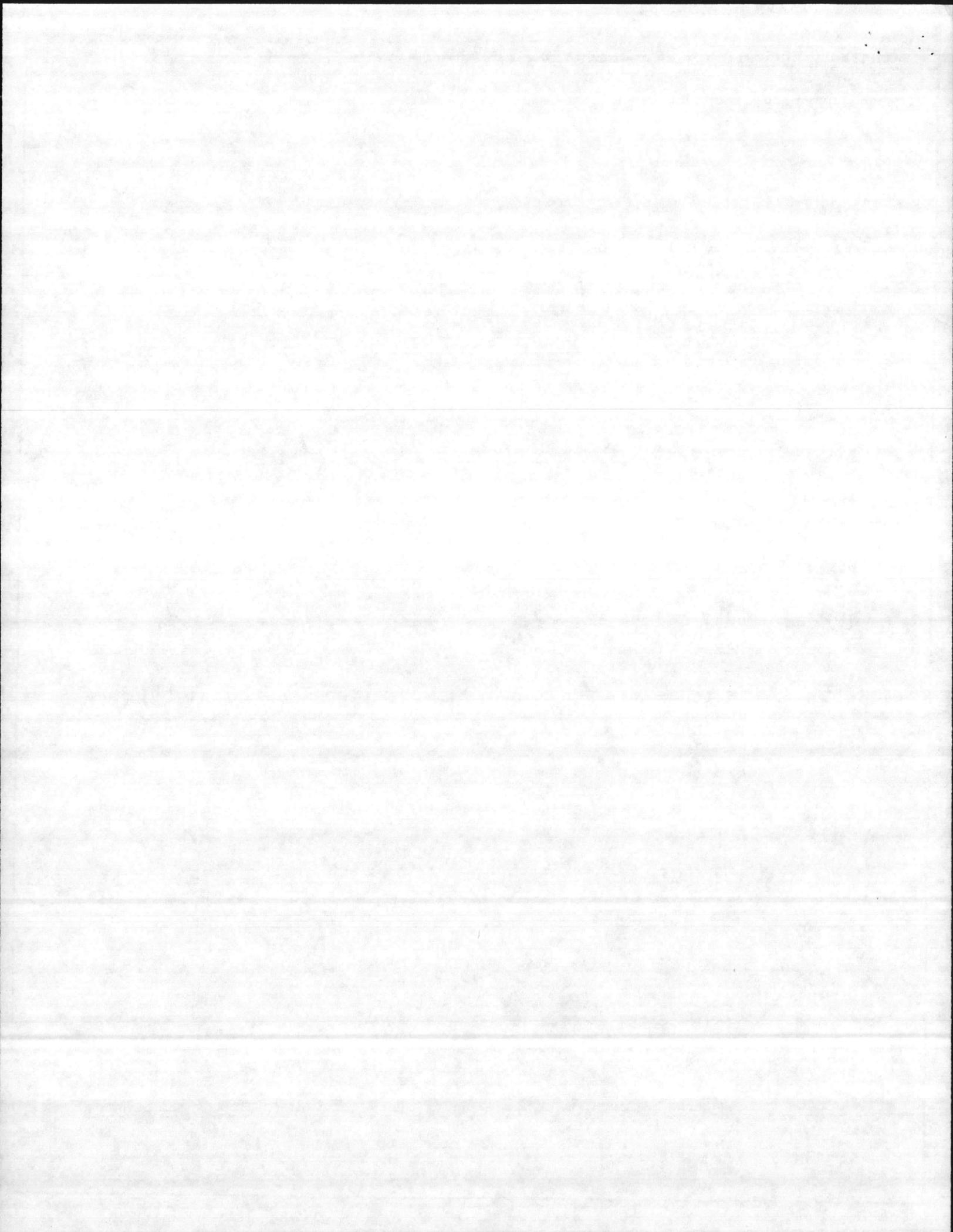
C. DATE SIGNED





V. FACILITY DRAWING (see page 4)

SEE ATTACHED MAPS.



1-2

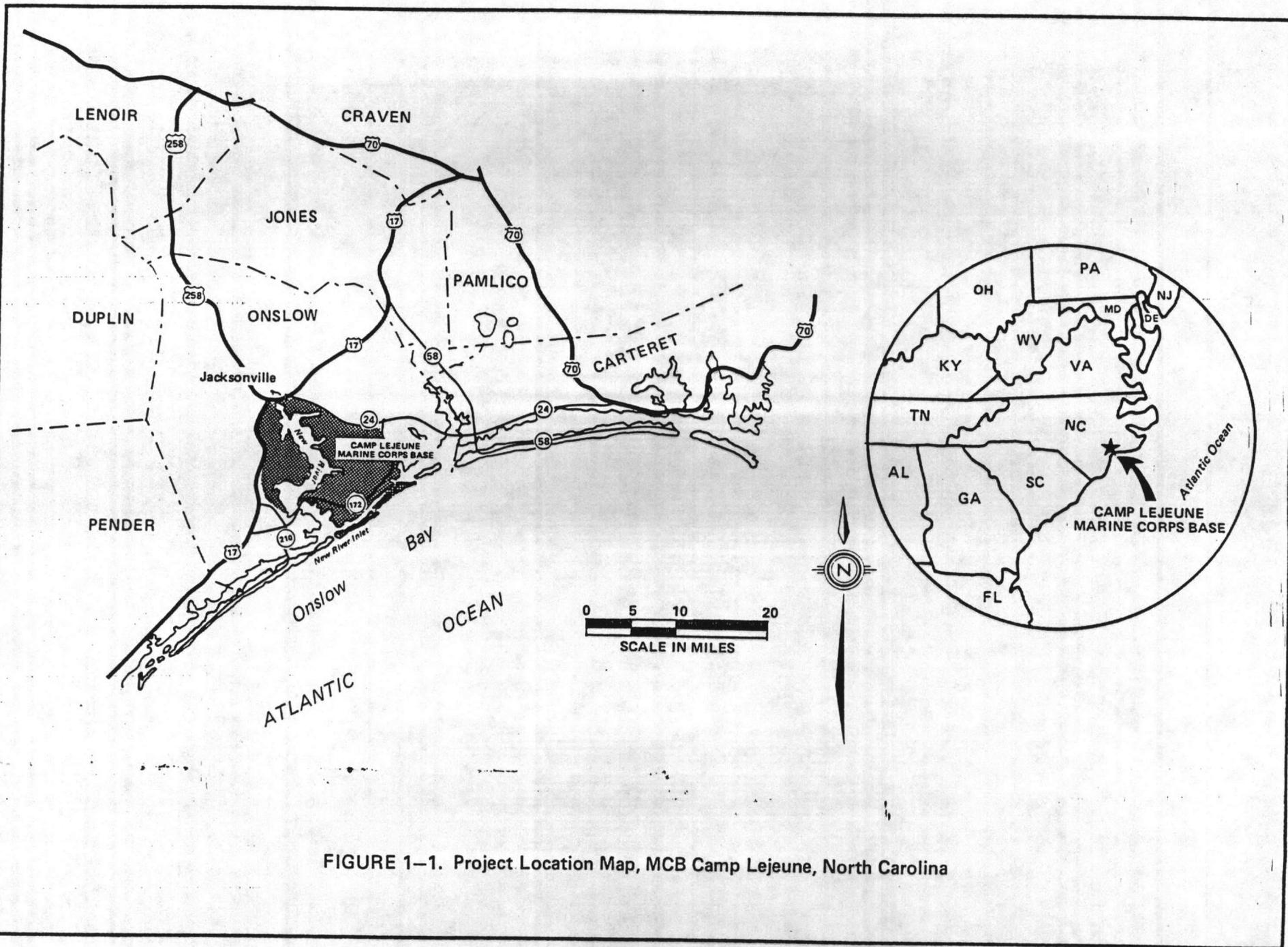
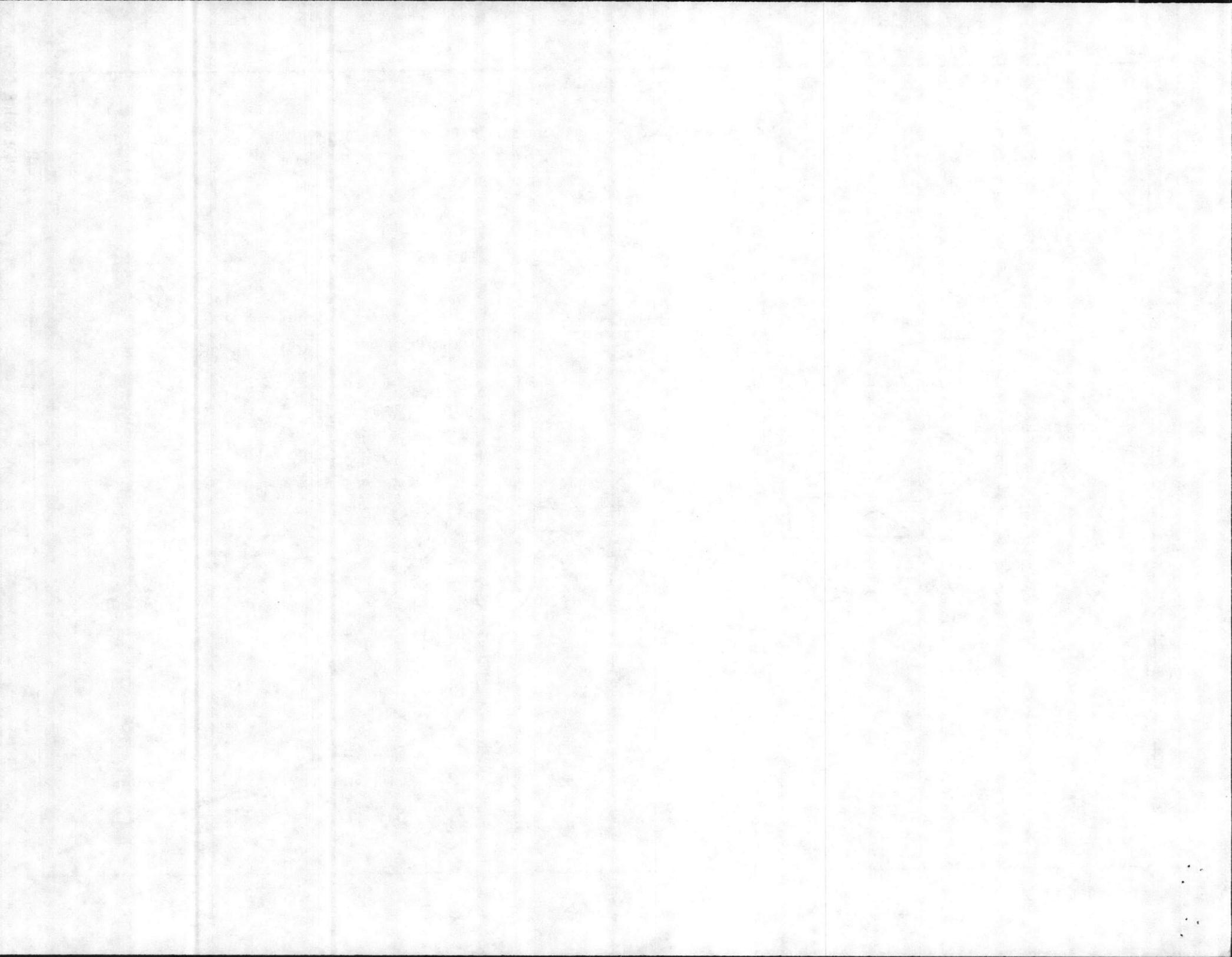


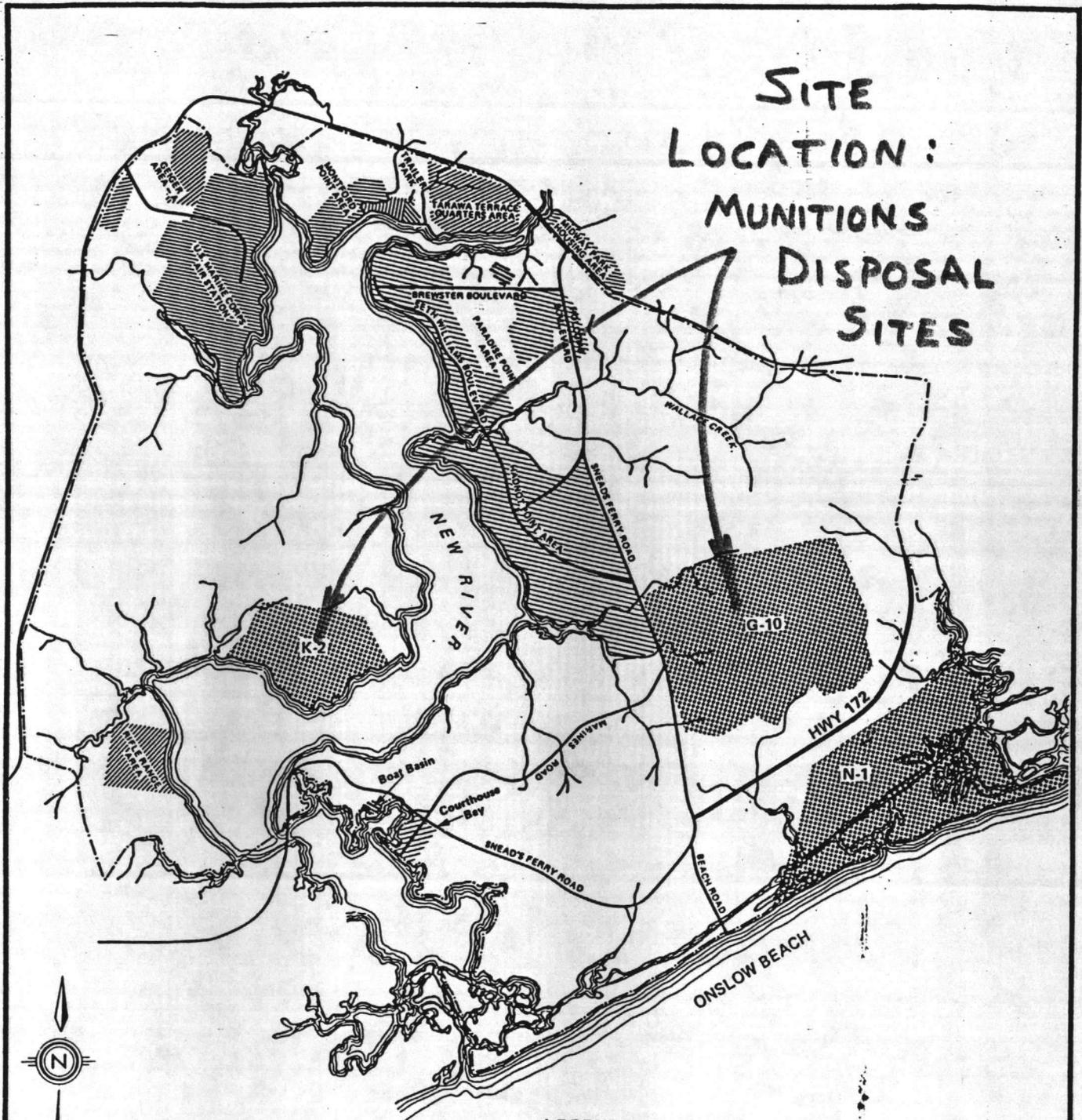
FIGURE 1-1. Project Location Map, MCB Camp Lejeune, North Carolina

SOURCE: WAR 1986.

ENCLOSURE (2)



SITE LOCATION: MUNITIONS DISPOSAL SITES

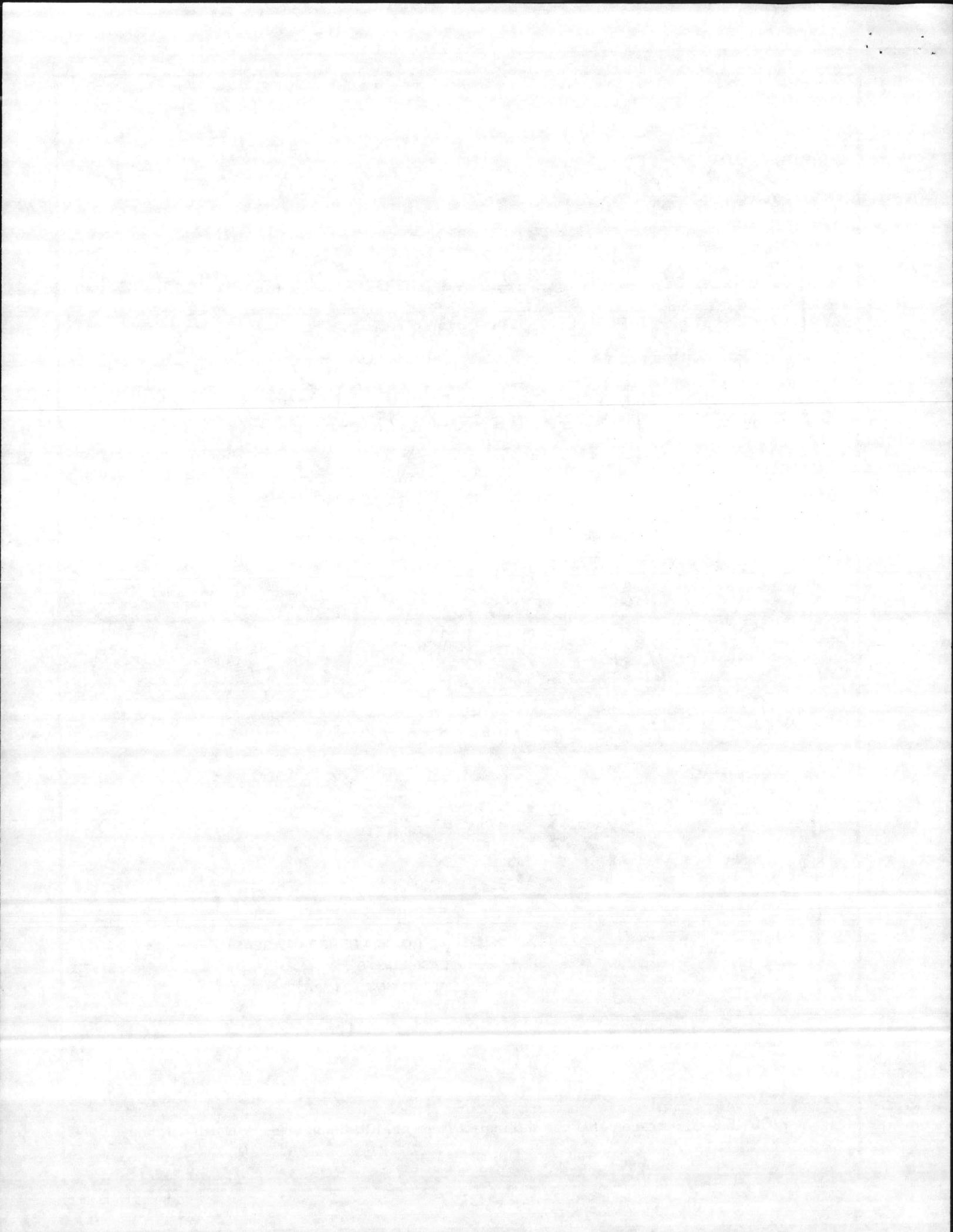


LEGEND

-  APPROXIMATE URBAN AREAS
-  BASE LIMITS
-  APPROXIMATE IMPACT AREAS

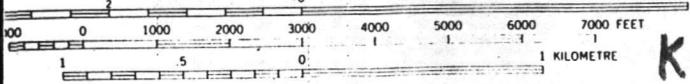
0 8000 16000
SCALE IN FEET

FIGURE 3-1. Location of Urban and Impact Areas at MCB Camp Lejeune, North Carolina





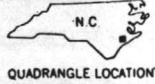
SCALE 1:24 000



CONTOUR INTERVAL 5 FEET
 NATIONAL GEODETIC VERTICAL DATUM OF 1929
 DEPTH CURVES AND SOUNDINGS IN FEET—DATUM IS MEAN LOW WATER
 SHORELINE SHOWN REPRESENTS THE APPROXIMATE LINE OF MEAN HIGH WATER
 THE MEAN RANGE OF TIDE IS 2 FEET

SITE LOCATION MAP

K-2 MUNITIONS DISPOSAL SITE



QUADRANGLE LOCATION

ROAD CLASSIFICATION

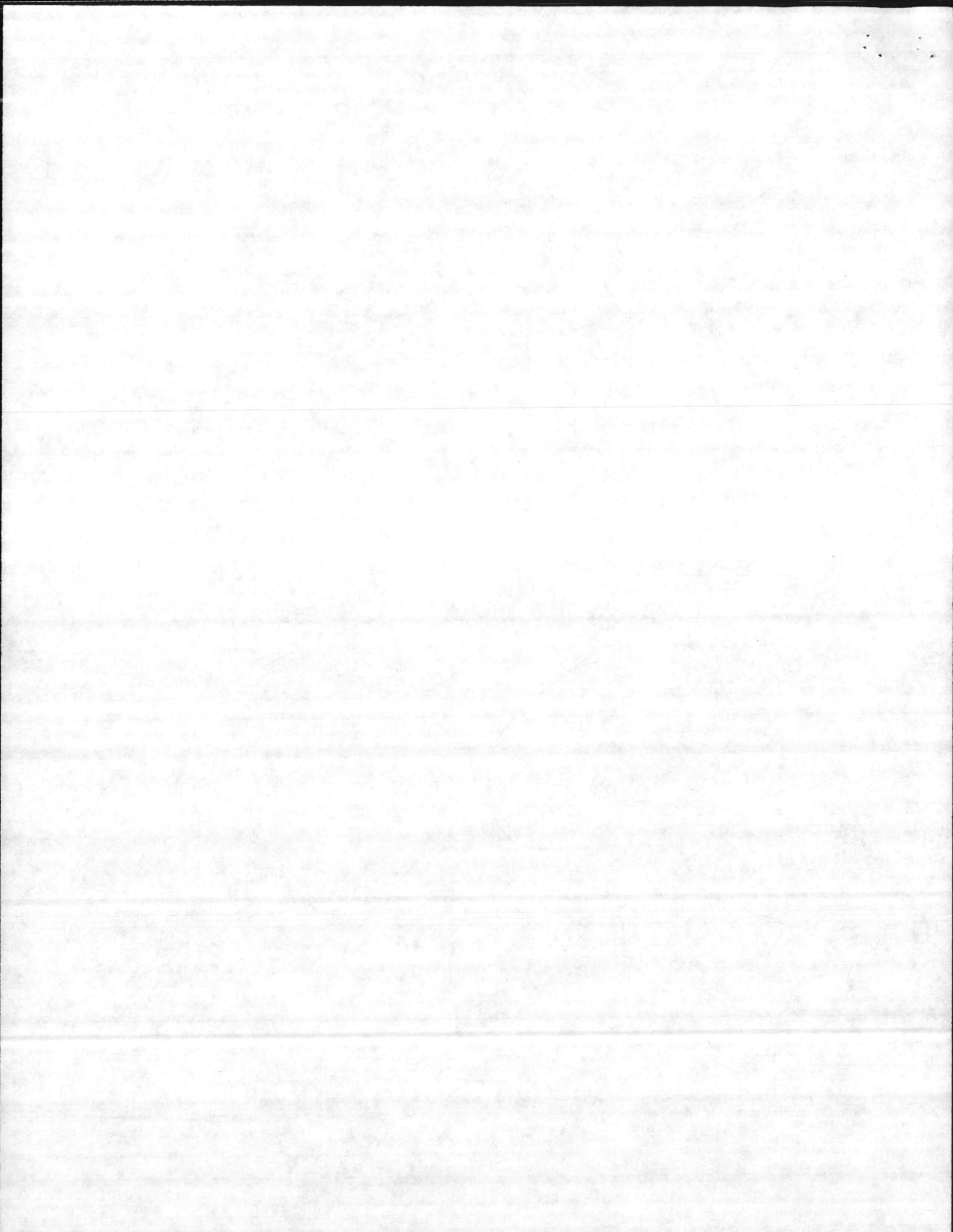
- Heavy-duty 4 LANE 4 LANE Light-duty
- Medium-duty 2 LANE 2 LANE Unimproved dir
- U. S. Route State Route

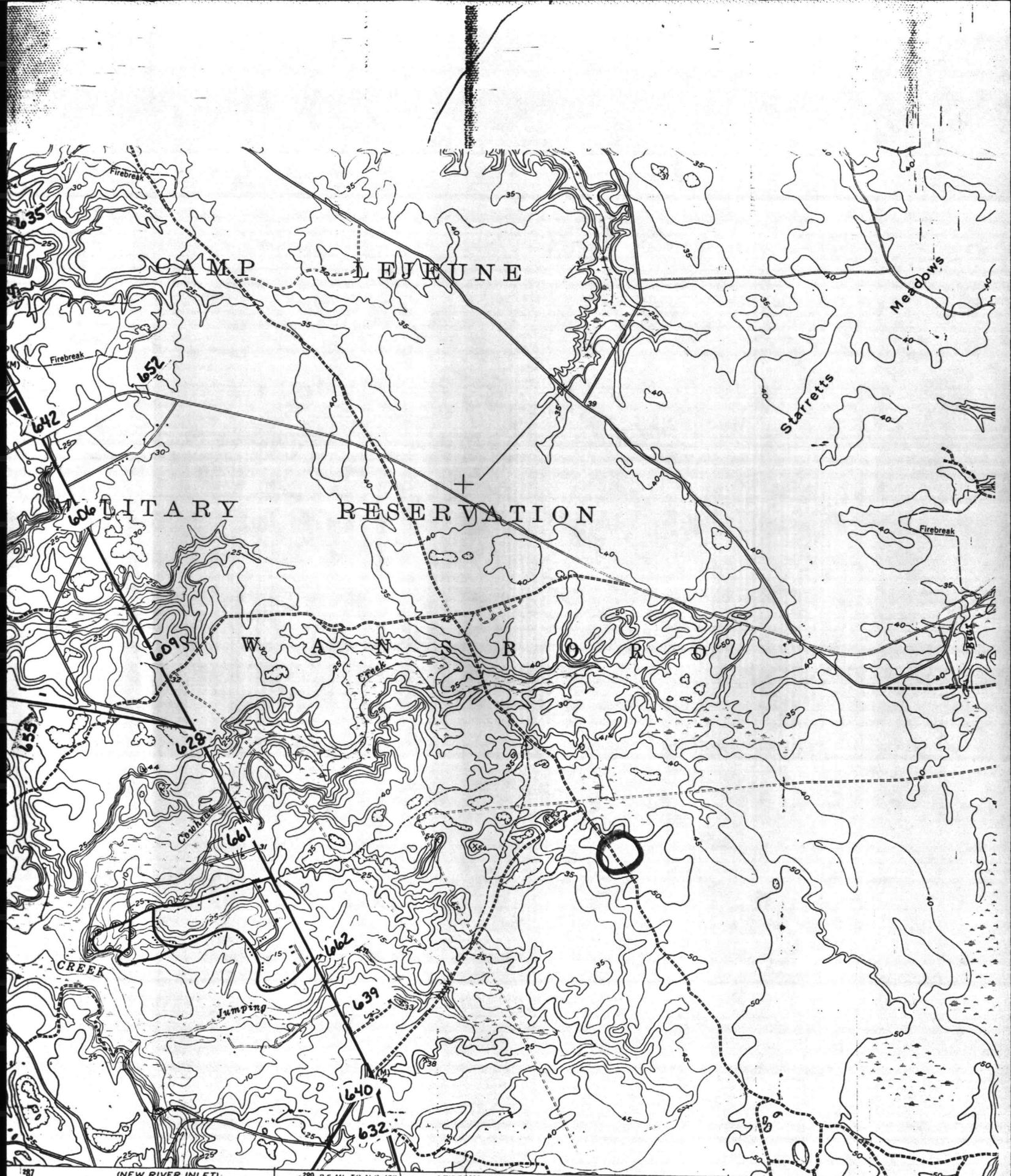
JACKSONVILLE SOUTH
 NW/4 NEW RIVER 15' QUADRANG
 N3437.5—W7722.5/7.5

ENCLOSURE (3)

USC&

INTERIOR GEOLOGICAL SURVEY, RESTON, VIRGINIA





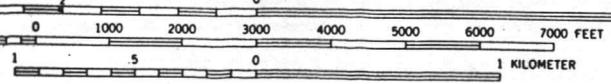
(NEW RIVER INLET)
5553 III SE

289 2.6 MI. TO N.C. 172
SNEADS FERRY 13 MI.

1730 290

INTERIOR—GEOLOGICAL SURVEY, WASHINGTON, D.C.—1973
293000h E USC&GS T

SCALE 1:24 000



SITE LOCATION MAP

G-40 MUNITIONS DISPOSAL SITE

ROAD CLASSIFICATION

- Heavy-duty 4 LANE 6 LANE
- Medium-duty 4 LANE 6 LANE
- Light-duty
- Unimproved dirt

