Betsy: For your information

T-6240

North Carolina Department of Human Resources
Division of Health Services
P.O. Box 2091 • Raleigh, North Carolina 27602-2091

James G. Martin, Governor
Phillip J. Kirk, Jr., Secretary

Ronald H. Levine, M.D., M.P.H.
State Health Director

October 23, 1985

Mr. Danny Sharpe
Marine Corps Base, Camp Lejeune
Camp Lejeune, NC 28542

Attention: Director of Natural Resources
Environmental Affairs Division

Re: Emergency Permit #NC6170022580E1

Attached is a copy of the emergency permit issued to Marine Corps Base, Camp Lejeune, for the treatment of reactive chemicals on October 7, 1985. This permit document was not sent with the original cover letter dated October 8, 1985, as it should have been.

The reporting requirements stated in that letter of October 8, 1985, would have been due on October 21, 1985. Since the permit document was inadvertently not sent, those reporting requirements (the information specified in condition eleven of the permit) will be due within 14 days after the receipt of this letter.

If you have any questions, please contact me at (919) 733-2178.

Sincerely,

Jimmy Carter

Jimmy Carter, Environmental Chemist
Solid and Hazardous Waste Management Branch
Environmental Health Section

JC:ct/3276A
Attachment

cc: Doug Holyfield

Permit No. NC6170022580 E1
Date Issued: October 8, 1985

STATE OF NORTH CAROLINA

DEPARTMENT OF HUMAN RESOURCES

Division of Health Services

P. O. Box 2091 Raleigh 27602

EMERGENCY HAZARDOUS WASTE PERMIT

OPERATOR		OWNER
Marine Corps Base,	AND	Marine Corps Base,
Camp Lejeune		Camp Lejeune
Camp Lejeune, NC		Campe Lejeune, NC

are hereby issued a permit pursuant to 40 CFR 270.61 as adopted in 10 NCAC 10F .0034(f)2 to thermally treat approximately twenty pounds of reactive chemicals on Camp Lejeune property subject to the conditions set forth in this permit and in N. C. General Statutes 130-166.18(c) and all applicable rules promulgated thereunder.

William L. Meyer

William L. Meyer, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section
Document No. 0582A

Conditions of Permit:

The issuance of this permit will result in environmental benefits and the listed conditions are designed to protect public health and the environment. Issuance under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034(f)2, is warranted because there is an imminent and substantial endangerment to human health and the environment.

1. Duration of Permit [40 CFR 270.50 and 270.61 as adopted in 10 NCAC 10F .0034]
   -This permit is issued for a period of one day(s), October 7, 1985.
   -This permit may be terminated by the issuing authority at any time if he or she determines that the termination is appropriate and necessary to protect human health and the environment.

2. Duty to Comply [40 CFR 270.30 as adopted in 10 NCAC 10F .0034(f)2]
   -The permittee shall comply with all conditions of this permit. All words used in this permit shall have the meaning and definitions set forth in 40 CFR Parts 260.10 and 270.2 as adopted in 10 NCAC 10F .0002 and .0034. The filing of a request by the permittee for a permit modification, revocation, and reissuance, or termination, or a notification of planned changes or anticipated non-compliance, does not stay any condition of this permit. Any permit non-compliance constitutes a violation of the Act and is grounds for enforcement action including permit termination, revocation, and reissuance, or modification or for denial of a permit renewal application. In addition, criminal or civil actions may be brought in appropriate instances.

3. Duty to Mitigate [40 CFR 270.30 as adopted in 10 NCAC 10F .0034]
   -The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from non-compliance with this permit.

4. Personnel Training [40 CFR 264.16 as adopted in 10 NCAC 10F .0032(c)]
   -Contact with the wastes shall be limited to personnel adequately trained in the handling of hazardous wastes.

5. Emergency Coordinator [40 CFR 264.55 as adopted in 10 NCAC 10F .0032(e)]
   -The permittee will ensure that at all times there will be at least one employee on the premises with responsibility for coordinating all emergency response measures. The emergency coordinator must in addition to carrying out the responsibilities specified in 40 CFR 264.56 as adopted in 10 NCAC 10F .0032(e), be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, and the location layout. This person must have the authority to commit the resources needed to carry out contingency actions.

Conditions of Permit (continued)

6. Proper Operation and Maintenance [40 CFR 264.31 as adopted in 10 NCAC 10F .0032(d)]
   -The permittee must maintain and operate the facility to minimize the possibility of unplanned fire, explosion, or sudden or non-sudden release of hazardous waste or hazardous waste constituent to air, soil, and surface water which could threaten human health or the environment.

7. Security [40 CFR 264.14 as adopted in 10 NCAC 10F .0032(c)]
   -The permittee must prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portions of the facility by providinga 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility or the permittee must have an artificial or natural barrier which completely surrounds the active portion of the facility and a means of control entry, at all times, through the gates or other entrances to the active portion of the facility.

8. Access to Communications or Alarm System [40 CFR 264.34 as adopted in 10 NCAC 10F .0032(d)]
   -Whenever hazardous waste is being poured, mixed, spread, or otherwise handled, the permittee must ensure that all personnel involved in the operation will have immediate access to an internal alarm or emergency communication device, either directly or through visual or voice contact with another employee.

9. Specific Treatment
   Specific treatment shall consist of buring approximately three gallons of ethyl ether and approximately four pounds of methyl ethyl ketone peroxide on wooden pollets using a gasoline/diesel fuel mixture initiated by a remote control detonation.

10. Arrangements with Local Authorities [40 CFR 264.37 as adopted in 10 NCAC 10F .0032(d)]
    -The permittee shall notify local police and fire departments of the details of the detonation activity.

11. Reporting
    -The permittee shall submit to the North Carolina Department of Human Resources, Solid & Hazardous Waste Management Branch within 14 days after the termination of this permit, the following information in writing:
    (a) EPA I.D. number
    (b) Actual dates of treatment
    (c) Description and quantity of waste
    (d) Name of emergency coordinator
    (e) A certification that the public notice condition (item 14) was complied with.
    (f) A certification that the emergency has been alleviated and no residue remains at the treatment facility.
    (g) A copy of the manifest for wastes disposed of or treated off-site.

12. Property Rights
-The issuance of this permit does not convey any property rights of any sort or any exclusive privilege.

13. Duty to Reapply
-This permittee shall apply for and obtain a new permit if the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit.

14. Public Notice [40 CFR 270.61 and 124.11 as adopted in 10 NCAC 10F .0034(f)2 and .0035(8)]
-The enclosed public notice shall be run within 10 days of the receipt of this written permit in the following newspaper:

The Globe
c/o Joint Public Affairs
Marine Corps Base, Camp Lejeune
Camp Lejeune, NC

PUBLIC NOTICE

STATE OF NORTH CAROLINA
DEPARTMENT OF HUMAN RESOURCES
DIVISION OF HEALTH SERVICES
SOLID AND HAZARDOUS WASTE MANAGEMENT BRANCH
P. O. BOX 2091
RALEIGH, N.C. 27602
TELEPHONE: (919) 733-2178

NOTICE OF ISSUANCE OF EMERGENCY PERMIT UNDER THE NORTH CAROLINA HAZARDOUS WASTE MANAGEMENT RULES.

The North Carolina Department of Human Resources has issued an emergency permit to Marine Corps Base, Camp Lejeune to thermally treat approximately three gallons of ethyl ether and four pounds of methyl ethyl ketone peroxide. Treatment took place on October 7, 1985 on Camp Lejeune property.

An emergency permit under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034(f)2 was warranted because there was an imminent and substantial endangerment to human health and the environment. The permit was drafted in accordance with the N.C. Hazardous Waste Management Rules.

Persons wishing to comment upon the permit issuance or the the permit conditions, are invited to submit same in writing to the permitting office, ATTENTION: William L. Meyer. All comments will be considered in the formulation of future emergency permits.

Danny DS

UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO

6280/2
FAC
20 SEP 1984

From: Commanding General, Marine Corps Base, Camp Lejeune

Subj: FINAL STATUS HAZARDOUS WASTE MANAGEMENT PERMIT

Ref: (a) CG MCB CLNC ltr FAC/REA/hf 6280 of 15 Jul 83
(b) CG MCB CLNC ltr NREAD/DDS/hf 6280 of 17 Apr 84
(c) CG MCB CLNC ltr NREAD/DDS/tr 6240 of 17 May 84
(d) CG MCB CLNC ltr FAC 6280 of 6 Aug 84
(e) N.C. Solid&HazWasteMgmt Br ltr of 12 Sep 84

Encl: (1) N.C. Solid&HazWasteMgmt Br ltr of 10 Sep 84

1. Reference (a) forwarded the Subpart B Permit Application to the State of North Carolina in accordance with the Resource Conservation and Recovery Act of 1976, as amended. References (b) and (c) provided supplemental information as requested by the State to include the Waste Analysis Plan, Contingency Plan, and Closure Plan. Reference (d) distributed for review the draft Hazardous Waste Management Permit.

2. The final status permit for management of hazardous material/waste generated at the Camp Lejeune complex is provided in the enclosure. Due to the shared responsibilities for compliance with the many permit conditions, we emphasize the need for close coordination and communication between all activities.

3. Reference (e) announces an inspection by the State of North Carolina on 25 September 1984.

4. For further information on the final permit or the inspection, please contact Mr. Bob Alexander, ext. 3034.

B W Elston
B. W. ELSTON
By direction

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#17 Sept 3

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

September 10, 1984

Commanding General
Marine Corps Base
Office of AC/S Facilities
Attention: Bob Alexander
Camp Lejeune, NC 28542
NC6170022580

Dear Mr. Alexander:

Re: Final Status Hazardous Waste Management Permit

Attached please find a final status permit for the management of hazardous wastes at your facility. The permit identifies specific wastes and associated management practices that can be handled in accordance with N.C. Hazardous Waste Management Rules.

Future changes in handled wastes and/or management practices can be allowed only with proper permit modifications. Please contact me if you have any questions.

Sincerely,

O.W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JC:dl

cc: William Paige
Doug Holyfield
Rita Ford

Attachment

I.D. NUMBER NC6170022580
PERMIT NO. NC6170022580

H A Z A R D O U S W A S T E M A N A G E M E N T P E R M I T

Permittee Marine Corps Base Camp Lejeune
Camp Lejeune, N.C. 28542

Pursuant to the 10 NCAC 10F North Carolina Hazardous Waste Management Rules, a permit is issued to the Camp Lejeune Marine Corps Base, hazardous waste storage facility located in Camp Lejeune, N.C., Onslow County on Highway 24, at latitude 34°40'00" and longitude 77°20'00".

The Permittee must comply with all terms and conditions of the permit. This permit consists of the conditions discussed in Part I,II, and III and the applicable regulations contained in 40 CFR Parts 260 through 264 and 270 and 124 [as adopted in 10 NCAC (North Carolina Administrative Code) 10F .0029-.0036] as specified in the permit. Applicable regulations are those which are in effect on the date of issuance of this permit [40 CFR 270.32(c) as adopted in 10 NCAC 10F .0034. This permit is based on the assumption that the information submitted in the permit application and as modified by subsequent amendments (hereafter referred to as the application) is accurate and that the facility will be operated as specified in the application. Any inaccuracies found in this information could lead to the termination or modification of this permit and potential enforcement action [40 CFR 270.41, 270.42, and 270.43 as adopted in 10 NCAC 10F .0034. The Permittee shall inform the North Carolina Department of Human Resources of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit is effective as of September 7, 1984, and shall remain in effect until September 7, 1994, unless revoked and reissued, or terminated [40 CFR 270.50 as adopted in 10 NCAC 10F .0034 or continued in accordance with NCAC.

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Document No. 1071A

PART I - STANDARD CONDITIONS

A. EFFECT OF PERMIT

The permittee is allowed to store hazardous waste in accordance with the conditions of this permit. Any storage of hazardous waste not authorized in this permit is prohibited. Compliance with this permit constitutes compliance, for purposes of enforcement, with the N.C. Hazardous Waste Management Rules (10 NCAC 10F). Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any action brought under any law governing protection of public health or the environment for any imminent and substantial endangerment to human health or the environment.

B. PERMIT ACTIONS

This permit may be modified, revoked and reissued, or terminated for cause as specified in 40 CFR 270.41, 270.42, and 270.43 as adopted in 10 NCAC 10F .0034. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

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

D. DUTIES AND REQUIREMENTS

1. Duty to Comply. The permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit issued under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034. Any permit noncompliance constitutes a violation of N. C. Hazardous Waste Management Rules and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application.

2. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must submit a complete application for a new permit at least 180 days before this permit expires.

3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date and until a decision is made concerning issuance of a new permit if the permittee has submitted a timely, complete application (see 40 CFR 270.13-270.29 and 270.10 as adopted in 10 NCAC 10F .0034) and

through no fault of the permittee, the Secretary of the Department of Human Resources has not issued a new permit as set forth in 40 CFR 124.15 as adopted in 10 NCAC 10F .0035.

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

5. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

6. Proper Operation and Maintance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facility or similar systems only when necessary to achieve compliance with the conditions of the permit.

7. Duty to Provide Information. The permittee shall furnish to the Secretary of the Department of Human Resources, within a reasonable time, any relevant information which the Secretary of the Department of Human Resources may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Secretary of the Department of Human Resources, upon request, copies of records required to be kept by this permit.

8. Inspection and Entry. The permittee shall allow the Secretary of the Department of Human Resources, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

   (a) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

   (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

   (d) Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the N. C. Hazardous Waste Management Rules, any substances or parameters at any location.

9. Monitoring and Records.

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 as adopted in 10 NCAC 10F .0029. Laboratory methods must be those specified in table 5, enclosure 11 of the attachment.

(b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report or record. These periods may be extended by request of the Secretary of the Department of Human Resources at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.

(c) Records of monitoring information shall include:

(i) The date, exact place, and time of sampling or measurements;

(ii) The individual(s) who performed the sampling or measurements;

(iii) The date(s) analyses were performed;

(iv) The individual(s) who performed the analyses;

(v) The analytical techniques or methods used; and

(vi) The results of such analyses.

10. Reporting Planned Changes. The permittee shall give notice to the Secretary of the Department of Human Resources as soon as possible of any planned physical alterations or additions to the permitted facility.

11. Anticipated Noncompliance. The permittee shall give advance notice to the Secretary of the Department of Human Resources of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

12. Transfer of Permits. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 40 CFR 270.41 and 270.42 as adopted in 10 NCAC 10F .0034. Before transferring ownership or operation of the facility during its operating life, the permittee shall notify the new owner or operator in writing of the requirements of 40 CFR 264 as adopted in 10 NCAC 10F .0032 and 40 CFR 270 as adopted in 10 NCAC 10F .0034.

13. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

14. Twenty-four Hour Reporting. The permittee shall report to the Secretary of the Department of Human Resources any noncompliance which may endanger health or the environment. Any information shall be provided verbally within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported verbally within 24 hours:

(a) Information concerning release of any hazardous waste that may cause an endangerment to public drinking water supplies.

(b) Any information of a release or discharge of hazardous waste, or of a fire or explosion from the facility, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:

(i) Name, address, and telephone number of the owner or operator.
(ii) Name, address, and telephone number of the facility.
(iii) Date, time, and type of incident.
(iv) Name and quantity of material(s) involved.
(v) The extent of injuries, if any.
(vi) An assessment of actual or potential hazard to the environment and human health outside the facility, where this is applicable.
(vii) Estimated quantity and disposition of recovered material that resulted from the incident.

A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times), and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The permittee need not comply with the five-day written notice requirement if the Secretary of the Department of Human Resources waives that requirement and the permittee submits a written report within fifteen days of the time the permittee becomes aware of the circumstances.

15. Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise required to be reported at the time monitoring reports are submitted. The reports shall contain the information listed in Condition D.14.

16. Other Information. Where the permittee becomes aware that he failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Secretary of the Department of Human Resources, the permittee shall promptly submit such facts or information.

E. SIGNATORY REQUIREMENTS

All reports or other information requested by the Secretary of the Department of Human Resources shall be signed and certified according to 40 CFR 270.11 as adopted in 10 NCAC 10F .0034.

F. DOCUMENTS TO BE MAINTAINED AT FACILITY SITE

The permittee shall maintain at the facility, until closure is completed and certified by an independent registered professional engineer, the following documents and amendments, revisions and modifications to these documents:

(1) Waste analysis plan submitted in accordance with 40 CFR 264.13 as adopted in 10 NCAC 10F .0032 and enclosure 11 of the attachment.

(2) Personnel training documents and records submitted in accordance with 40 CFR 264.16(d) as adopted in 10 NCAC 10F .0032 and page 39, part H of the attachment.

(3) Contingency plan submitted in accordance with 40 CFR 264.53(a) as adopted in 10 NCAC 10F .0032 and pages 33-35b, part G of the attachment.

(4) Closure plan submitted in accordance with 40 CFR 264.112(a) as adopted in 10 NCAC 10F .0032 and pages 40-43, part I of the attachment.

(5) Operating record required by 40 CFR 264.73 as adopted in 10 NCAC 10F. 0032.

(6) Inspection schedules developed in accordance with 40 CFR 264.15(b) as adopted in 10 NCAC 10F .0032 and pages 29-30, part F of the attachment.

All amendments, revisions and modifications to any plan required by this permit shall be submitted to the Secretary of the Department of Human Resources for approval and permit modification.

PART II - GENERAL FACILITY CONDITIONS

A. Authorized Waste. The permittee is authorized to store the following hazardous waste(s) or categories of hazardous waste in accordance with the conditions specified in this permit:

Waste identified as hazardous by characteristic only

D001 Liquid wastes generated on-site that exhibit the characteristic of ignitability as defined in 40 CFR 261.21, adopted in 10-NCAC 10F .0029.

D002 Aqueous wastes which exhibit the characterisitic of corrosivity as defined in 40 CFR 261.22, adopted in 10 NCAC 10F .0029.

D003 Wastes that exhibit the characteristic of reactivity as defined in 40 CFR 261.23, adopted in 10 NCAC 10F .0029

D007 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Chromium as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D008 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Lead as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D009 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Mercury as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D011 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Silver as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

Hazardous Waste from Nonspecific Sources

F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, Trichloroethylene, Methylene Chloride, 1,1,1-Trichloroethane, Chlorinated fluorocarbons.

F002 The following spent halogenated solvents: Tetrachloroethylene, Trichloroethylene, Methylene Chloride, 1,1,1-Trichloroethane, Chlorinated fluorocarbons.

F003 The following spent non-halogenated solvents: Acetone, Xylene

F005 The following spent non-halogenated solvents: Toluene, Methyl Ethyl Ketone

Commercial Chemical Products to be Discarded

U002 Acetone
U061 DDT
U076 1,1 Dichloroethane
U080 Dichloromethane
U122 Formaldehyde
U129 Lindane
U142 Kepone
U151 Mercury

Commercial Chemical Products to be Discarded (Continued)

U159 Methyl Ethyl Ketone
U188 Phenol
U210 Tetrachloroethene
U220 Toluene
U226 1,1,1-Trichloroethane
U228 Trichloroethene
U239 Xylene

B. Design and Operation of Facility. The permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste constituents to air, soil or surface water which could threaten human health or the environment.

C. Required Notice.

(1) The permittee shall notify the Secretary of the Department of Human Resources in writing at least four weeks in advance of the date the permittee expects to receive hazardous waste from a source outside of the United States. Notice of subsequent shipments during the same calendar year of the same waste from the same foreign source is not required.

(2) When the permittee receives hazardous waste from an off-site source (except where the permittee is also the generator), he must inform the generator in writing that he has the appropriate permit(s) for, and will accept, the waste the generator is shipping. The permittee shall keep a copy of this written notice as part of the operating record.

D. General Waste Analysis. The permittee shall follow the procedures described in the waste analysis plan as indicated in enclosure 11 of the attachment. Results of these analyses shall be maintained as per 40 CFR 264.13 as adopted in 10 NCAC 10F .0032. and as identified in condition I.D.9.

The permittee shall verify its waste analysis as part of the quality assurance program. The quality assurance program will be in accordance with current EPA practices or equivalent methods approved by the Secretary of the Department of Human Resources; and at a minimum ensure that the permittee maintains proper functional instruments, uses approved sampling and analytical methods, assures the validity of sampling and analytical procedures, and performs correct calculations.

Special Condition

Generating organization certification may be used in lieu of laboratory analysis for routine waste handling only if adequate information is provided to positively identify the waste and insure that it may be properly stored, transported and disposed of. The certification shall be the Disposal Turn-in Document (DTID). Unless a waste is handled in accordance with enclosure 1 (Base Order 6240.5) and enclosure 2 (Consolidated Hazardous Material/Hazardous waste Disposal Guidance) of the attachment, a waste analysis must be performed in accordance with enclosure 11 of the attachment.

E. Security. The permittee shall comply with the security provisions of 40 CFR 264.14(b) and (c) as adopted in 10 NCAC 10F .0032 and page 29, part F of the attachment.

F. General Inspection Requirements. The permittee shall follow the inspection schedule as described on pages 29-31, part F of the attachment and shall comply with 40 CFR 264.15 (c) and (d) as adopted in 10 NCAC 10F .0032.

G. Personnel Training. The permittee shall conduct personnel training in accordance with 40 CFR 264. 16 as adopted in 10 NCAC 10F .0032 and as described on pages 36-39, part H of the attachment.

H General Requirements for Ignitable, Reactive, or Incompatible Waste. The permittee shall comply with the requirements of 40 CFR 264.17(a) as adopted in 10 NCAC 10F .0032 and the documentation requirements of 264.17(c) as adopted in 10 NCAC 10F .0032.

I. Required Equipment. The permittee shall equip the facility and make readily available to operating personnel the necessary equipment to carry out the contingency plan, as described on page 32, part F of the attachment. At all times, the equipment requirement described in 40 CFR 264.52, as adopted in 10 NCAC 10F .0032 shall be met.

J. Testing and Maintenance of Equipment. The permittee shall test and maintain the equipment specified in the previous permit condition and as identified on page 30, part F of the attachment, as necessary to ensure its proper operation in time of emergency.

K. Access to Communications or Alarm System. The permittee shall maintain access to the communications or alarm system as required by 40 CFR 264.34 as adopted in 10 NCAC 10F .0032.

L. Contingency Plan.

1. Implementation of Plan. The permittee shall immediately carry out the provisions of the contingency plan whenever there is a fire, explosion, or release of hazardous waste or constituents which threatens or could threaten human health or the environment as required by 40 CFR 264.56 as adopted in 10 NCAC 10F .0032.

2. Copies of Plan. The permittee shall comply with the requirements of 40 CFR 264.53 as adopted in 10 NCAC 10F .0032.

3. Special Condition. The Base Fire Chief will, at least annually, review the contingency plan and the types of wastes located in the hazardous waste storage facility with representatives of the Naval Hospital and Base Provost Marshall

4. Amendments to Plan. The permittee shall review and immediately amend, if necessary, the contingency plan, in accordance with 40 CFR 264.54 as adopted in 10 NCAC 10F .0032.

5. Emergency Coordinator. The permittee shall comply with the requirements of 40 CFR 264.55 as adopted in 10 NCAC 10F .0032, concerning the emergency coordinator.

M. Manifest System. The permittee shall comply with the manifest requirements of 40 CFR 264.71, 264.72, and 264.76 as adopted in 10 NCAC 10F .0032.

N. Recordkeeping and Reporting.

1. Operating Record. The permittee shall maintain a written operating record at the facility in accordance with 40 CFR 264.73(a), (b)(1), (2), (3), (4), (5), (6), (7) (off-site only), and (8) as adopted in 10 NCAC 10F .0032.

2. Annual Report. The permittee shall comply with the annual report requirements of 40 CFR 264.75 as adopted in 10 NCAC 10F .0032.

O. Closure

1. Performance Standard. The permittee shall close the facility in accordance with the closure plan as described on pages 40-43, part I of the attachment, and as required in 40 CFR 264.111 as adopted in 10 NCAC 10F .0032.

2. Amendment to Closure Plan. The permittee shall amend the closure plan in accordance with 40 CFR 264.112(b) as adopted in 10 NCAC 10F .0032 whenever necessary.

3. Notification of Closure. The permittee shall notify the Secretary of the Department of Human Resources at least 180 days prior to the date he expects to begin closure.

4. Time Allowed For Closure. Within 90 days (unless a waiver is granted) after receiving the final volume of hazardous waste, the permittee shall treat or remove from site all hazardous waste in accordance with the schedule specified in the closure plan . After receiving the final volume of hazardous waste, the permittee shall complete closure activities in accordance with the schedule specified in the closure plan on page 42, part I of the attachment.

5. Disposal or Decontamination of Equipment. The permittee shall comply with the requirements of 40 CFR 264.114 as adopted in 10 NCAC 10F .0032.

6. Certification of Closure. The permittee shall certify that the facility has been closed in accordance with the specifications in the closure plan as required by 40 CFR 264.115 as adopted in 10 NCAC 10F .0032.

G. Special Requirements for Ignitable or Reactive Waste. The permittee shall not locate containers holding ignitable or reactive waste within 15 meters (50 feet) of the facility's property line.

H. Special Requirements for Incompatible Waste.

(1) The permittee shall not place incompatible wastes in the same container.

(2) The permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or material.

(3) The permittee shall not store a container of hazardous waste that is incompatible with any waste or material stored nearby in other containers, piles, open tanks or surface impoundments unless the container is separated from the other materials by a dike, berm, wall, or other device.

I. Closure. The permittee shall follow the closure plan as described in enclosure 3 of the attachment, and shall comply with 40 CFR 264.178 as adopted in 10 NCAC 10F .0032.

PART III - STORAGE IN CONTAINERS

The container storage facility consists of two enclosed buildings, each approximately 3200 square feet in area. Both have concrete floors. One building, TP-451, is for receiving the waste to be sold and has two curbed areas to segregate corrosive wastes from other wastes. The maximum storage capacity of this building is 224 55-gallon containers. The second building, TC-863, receives waste from builing TP-451 that is designated for ultimate disposal at a TSD facility. Building TC-863 has six individual areas that are segregated by trenches. The maximum storage capacity of this building is 504 55-gallon containers. All drums in both buildings are stored on pallets and cannot be stacked more than two high.

A. Condition of Containers. If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the permittee shall transfer the hazardous waste from such container to a container that is in good condition or manage the waste in some other way that complies with the requirements of the conditions of this permit.

B. Compatibility of Waste with Containers. The permittee shall comply with 40 CFR 264.172 as adopted in 10 NCAC 10F .0032 and ensure that the ability of the container to contain the waste is not impaired.

C. Management of Containers. The permittee shall manage containers in accordance with 40 CFR 264.173 as adopted in 10 NCAC 10F .0032 and as described on page 25, part D of the attachment.

D. Inspections. The permittee shall inspect container storage areas in accordance with 40 CFR 264.174 as adopted in 10 NCAC 10F .0032 and as described on pages 29 and 30, part F of the attachment.

E. Aisle Space. At a minimum, the permittee shall maintain aisle space as required by 40 CFR 264.35 as adopted in 10 NCAC 10F .0032. Aisle space shall be maintained at no less tha 4 feet between palleted rows of containers. A minimum distance of no less than one foot shall be maintained between outside perimetric palleted rows and the walls of the storage facilities. A clear and unobstructed access area shall be maintained at no less than a distance of 5 feet out from and along the front of all curbed and/or trenched containment areas at all times.

F. Containment. The permittee shall comply with the requirements of a containment system found in 40 CFR 264.175(b)(1)-(5) as adopted in 10 NCAC 10F .0032, including having a base which is free of cracks and gaps and able to contain leaks, spills and accumulated rainfall until such time that the material is detected and removed, be designed for efficient drainage and having sufficient capacity to contain 10% of the volume of containers. The permittee shall maintain the containment system in accordance with pages 25-27, part D of the attachment.

ANNUAL HAZARDOUS WASTE GENERATION[1] FOR CAMP LEJEUNE COMPLEX

EPA Code Used on Permit Application	Pounds[2] (Nearest 100)	ANALYTICAL PARAMETERS	Volume (Gallon)	Wastes (Major Constituent)
F001 (Used as degreasers)	10500	TETRACHLOROETHYLENE	1430	Spent Halogenated Solvents: Tetrachloroethylene
F002 (Used as solvents)	6800	TRICHLOROETHYLENE TRICHLOROETHANE	935	Trichloroethylene Trichloroethane
F003	900	F003	110	Spent Non-halogenated Solvents: Alchohol, Ether
F005	1800	ORGANICS	220	Spent Non-halogenated Solvents: Toluene, Methyl Ethyl Ketone, Sludges related to these
F007	12600	F003, CHROMIUM, LEAD	1705	Paint Residues from Industrial Painting: Lead based paints, Xylene, Waste Solvents, Waste Strippers
U002	100	ACETONE	15	Acetone
U122	200	FORMALDEHYDE	25	Formaldehyde
D001	142000	*	17000	Ignitable wastes, Mixed Solvents, Cleaning Compounds, Cleaning Solvents, Acetylene Wastes
D002	25000	*	3465	Corrosives: Battery Acids, Ferric Chloride, Hydrochloric Acids, Cleaning Compounds
D003	100	*	15	Reactive: Bleaches, Chlorine Compounds
D004	1000	ORGANICS	125	Toxic Wastes: Ammonia Compounds, Insecticides
TO BE DETERMINED		VARIES		MISC CHEMICALS

Note: 1 - Does not include oily wastes recycled as waste oil
2 - These amounts were shown on page 3 of EPA form3510-3, Hazardous Waste Permit Application

* - HAZARDOUS WASTE CHARACTERISTICS FOR IGNITABILITY, REACTIVITY, & INCOMPATIBILITY.

Parry 95

UNITED STATES MARINE CORPS
MARINE CORPS BASE
CAMP LEJEUNE, NORTH CAROLINA 28542

IN REPLY REFER TO

6280/2
FAC
20 SEP 1984

From: Commanding General, Marine Corps Base, Camp Lejeune

Subj: FINAL STATUS HAZARDOUS WASTE MANAGEMENT PERMIT

Ref: (a) CG MCB CLNC ltr FAC/REA/hf 6280 of 15 Jul 83
(b) CG MCB CLNC ltr NREAD/DDS/hf 6280 of 17 Apr 84
(c) CG MCB CLNC ltr NREAD/DDS/tr 6240 of 17 May 84
(d) CG MCB CLNC ltr FAC 6280 of 6 Aug 84
(e) N.C. Solid&HazWasteMgmt Br ltr of 12 Sep 84

Encl: (1) N.C. Solid&HazWasteMgmt Br ltr of 10 Sep 84

1. Reference (a) forwarded the Subpart B Permit Application to the State of North Carolina in accordance with the Resource Conservation and Recovery Act of 1976, as amended. References (b) and (c) provided supplemental information as requested by the State to include the Waste Analysis Plan, Contingency Plan, and Closure Plan. Reference (d) distributed for review the draft Hazardous Waste Management Permit.

2. The final status permit for management of hazardous material/waste generated at the Camp Lejeune complex is provided in the enclosure. Due to the shared responsibilities for compliance with the many permit conditions, we emphasize the need for close coordination and communication between all activities.

3. Reference (e) announces an inspection by the State of North Carolina on 25 September 1984.

4. For further information on the final permit or the inspection, please contact Mr. Bob Alexander, ext. 3034.

B W Elston
B. W. ELSTON
By direction

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#17 Sept 9

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

September 10, 1984

Commanding General
Marine Corps Base
Office of AC/S Facilities
Attention: Bob Alexander
Camp Lejeune, NC 28542
NC6170022580

Dear Mr. Alexander:

Re: Final Status Hazardous Waste Management Permit

Attached please find a final status permit for the management of hazardous wastes at your facility. The permit identifies specific wastes and associated management practices that can be handled in accordance with N.C. Hazardous Waste Management Rules.

Future changes in handled wastes and/or management practices can be allowed only with proper permit modifications. Please contact me if you have any questions.

Sincerely,

O.W. Strickland, Head
Solid & Hazardous Waste Management Branch
Environmental Health Section

JC:dl

cc: William Paige
Doug Holyfield
Rita Ford

Attachment

I.D. NUMBER NC6170022580
PERMIT NO. NC6170022580

H A Z A R D O U S W A S T E M A N A G E M E N T P E R M I T

Permittee Marine Corps Base Camp Lejeune
Camp Lejeune, N.C. 28542

Pursuant to the 10 NCAC 10F North Carolina Hazardous Waste Management Rules, a permit is issued to the Camp Lejeune Marine Corps Base, hazardous waste storage facility located in Camp Lejeune, N.C., Onslow County on Highway 24, at latitude 34°40'00" and longitude 77°20'00".

The Permittee must comply with all terms and conditions of the permit. This permit consists of the conditions discussed in Part I,II, and III and the applicable regulations contained in 40 CFR Parts 260 through 264 and 270 and 124 [as adopted in 10 NCAC (North Carolina Administrative Code) 10F .0029-.0036] as specified in the permit. Applicable regulations are those which are in effect on the date of issuance of this permit [40 CFR 270.32(c) as adopted in 10 NCAC 10F .0034. This permit is based on the assumption that the information submitted in the permit application and as modified by subsequent amendments (hereafter referred to as the application) is accurate and that the facility will be operated as specified in the application. Any inaccuracies found in this information could lead to the termination or modification of this permit and potential enforcement action [40 CFR 270.41, 270.42, and 270.43 as adopted in 10 NCAC 10F .0034. The Permittee shall inform the North Carolina Department of Human Resources of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit is effective as of September 7, 1984, and shall remain in effect until September 7, 1994, unless revoked and reissued, or terminated [40 CFR 270.50 as adopted in 10 NCAC 10F .0034 or continued in accordance with NCAC.

O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Document No. 1071A

PART I - STANDARD CONDITIONS

A. EFFECT OF PERMIT

The permittee is allowed to store hazardous waste in accordance with the conditions of this permit. Any storage of hazardous waste not authorized in this permit is prohibited. Compliance with this permit constitutes compliance, for purposes of enforcement, with the N.C. Hazardous Waste Management Rules (10 NCAC 10F). Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any action brought under any law governing protection of public health or the environment for any imminent and substantial endangerment to human health or the environment.

B. PERMIT ACTIONS

This permit may be modified, revoked and reissued, or terminated for cause as specified in 40 CFR 270.41, 270.42, and 270.43 as adopted in 10 NCAC 10F .0034. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

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

D. DUTIES AND REQUIREMENTS

1. Duty to Comply. The permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit issued under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034. Any permit noncompliance constitutes a violation of N. C. Hazardous Waste Management Rules and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application.

2. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must submit a complete application for a new permit at least 180 days before this permit expires.

3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date and until a decision is made concerning issuance of a new permit if the permittee has submitted a timely, complete application (see 40 CFR 270.13-270.29 and 270.10 as adopted in 10 NCAC 10F .0034) and

through no fault of the permittee, the Secretary of the Department of Human Resources has not issued a new permit as set forth in 40 CFR 124.15 as adopted in 10 NCAC 10F .0035.

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

5. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

6. Proper Operation and Maintance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facility or similar systems only when necessary to achieve compliance with the conditions of the permit.

7. Duty to Provide Information. The permittee shall furnish to the Secretary of the Department of Human Resources, within a reasonable time, any relevant information which the Secretary of the Department of Human Resources may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Secretary of the Department of Human Resources, upon request, copies of records required to be kept by this permit.

8. Inspection and Entry. The permittee shall allow the Secretary of the Department of Human Resources, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

   (a) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

   (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

   (d) Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the N. C. Hazardous Waste Management Rules, any substances or parameters at any location.

9. Monitoring and Records.

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 as adopted in 10 NCAC 10F .0029. Laboratory methods must be those specified in table 5, enclosure 11 of the attachment.

(b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report or record. These periods may be extended by request of the Secretary of the Department of Human Resources at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.

(c) Records of monitoring information shall include:

(i) The date, exact place, and time of sampling or measurements;

(ii) The individual(s) who performed the sampling or measurements;

(iii) The date(s) analyses were performed;

(iv) The individual(s) who performed the analyses;

(v) The analytical techniques or methods used; and

(vi) The results of such analyses.

10. Reporting Planned Changes. The permittee shall give notice to the Secretary of the Department of Human Resources as soon as possible of any planned physical alterations or additions to the permitted facility.

11. Anticipated Noncompliance. The permittee shall give advance notice to the Secretary of the Department of Human Resources of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

12. Transfer of Permits. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 40 CFR 270.41 and 270.42 as adopted in 10 NCAC 10F .0034. Before transferring ownership or operation of the facility during its operating life, the permittee shall notify the new owner or operator in writing of the requirements of 40 CFR 264 as adopted in 10 NCAC 10F .0032 and 40 CFR 270 as adopted in 10 NCAC 10F .0034.

13. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

14. Twenty-four Hour Reporting. The permittee shall report to the Secretary of the Department of Human Resources any noncompliance which may endanger health or the environment. Any information shall be provided verbally within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported verbally within 24 hours:

(a) Information concerning release of any hazardous waste that may cause an endangerment to public drinking water supplies.

(b) Any information of a release or discharge of hazardous waste, or of a fire or explosion from the facility, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:

(i) Name, address, and telephone number of the owner or operator.
(ii) Name, address, and telephone number of the facility.
(iii) Date, time, and type of incident.
(iv) Name and quantity of material(s) involved.
(v) The extent of injuries, if any.
(vi) An assessment of actual or potential hazard to the environment and human health outside the facility, where this is applicable.
(vii) Estimated quantity and disposition of recovered material that resulted from the incident.

A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times), and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The permittee need not comply with the five-day written notice requirement if the Secretary of the Department of Human Resources waives that requirement and the permittee submits a written report within fifteen days of the time the permittee becomes aware of the circumstances.

15. Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise required to be reported at the time monitoring reports are submitted. The reports shall contain the information listed in Condition D.14.

16. Other Information. Where the permittee becomes aware that he failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Secretary of the Department of Human Resources, the permittee shall promptly submit such facts or information.

E. SIGNATORY REQUIREMENTS

All reports or other information requested by the Secretary of the Department of Human Resources shall be signed and certified according to 40 CFR 270.11 as adopted in 10 NCAC 10F .0034.

F. DOCUMENTS TO BE MAINTAINED AT FACILITY SITE

The permittee shall maintain at the facility, until closure is completed and certified by an independent registered professional engineer, the following documents and amendments, revisions and modifications to these documents:

(1) Waste analysis plan submitted in accordance with 40 CFR 264.13 as adopted in 10 NCAC 10F .0032 and enclosure 11 of the attachment.

(2) Personnel training documents and records submitted in accordance with 40 CFR 264.16(d) as adopted in 10 NCAC 10F .0032 and page 39, part H of the attachment.

(3) Contingency plan submitted in accordance with 40 CFR 264.53(a) as adopted in 10 NCAC 10F .0032 and pages 33-35b, part G of the attachment.

(4) Closure plan submitted in accordance with 40 CFR 264.112(a) as adopted in 10 NCAC 10F .0032 and pages 40-43, part I of the attachment.

(5) Operating record required by 40 CFR 264.73 as adopted in 10 NCAC 10F. 0032.

(6) Inspection schedules developed in accordance with 40 CFR 264.15(b) as adopted in 10 NCAC 10F .0032 and pages 29-30, part F of the attachment.

All amendments, revisions and modifications to any plan required by this permit shall be submitted to the Secretary of the Department of Human Resources for approval and permit modification.

PART II - GENERAL FACILITY CONDITIONS

A. Authorized Waste. The permittee is authorized to store the following hazardous waste(s) or categories of hazardous waste in accordance with the conditions specified in this permit:

Waste identified as hazardous by characteristic only

D001 Liquid wastes generated on-site that exhibit the characteristic of ignitability as defined in 40 CFR 261.21, adopted in 10-NCAC 10F .0029.

D002 Aqueous wastes which exhibit the characterisitic of corrosivity as defined in 40 CFR 261.22, adopted in 10 NCAC 10F .0029.

D003 Wastes that exhibit the characteristic of reactivity as defined in 40 CFR 261.23, adopted in 10 NCAC 10F .0029

D007 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Chromium as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D008 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Lead as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D009 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Mercury as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D011 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Silver as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

Hazardous Waste from Nonspecific Sources

F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, Trichloroethylene, Methylene Chloride, 1,1,1-Trichloroethane, Chlorinated fluorocarbons.

F002 The following spent halogenated solvents: Tetrachloroethylene, Trichloroethylene, Methylene Chloride, 1,1,1-Trichloroethane, Chlorinated fluorocarbons.

F003 The following spent non-halogenated solvents: Acetone, Xylene

F005 The following spent non-halogenated solvents: Toluene, Methyl Ethyl Ketone

Commercial Chemical Products to be Discarded

U002 Acetone
U061 DDT
U076 1,1 Dichloroethane
U080 Dichloromethane
U122 Formaldehyde
U129 Lindane
U142 Kepone
U151 Mercury

Commercial Chemical Products to be Discarded (Continued)

U159 Methyl Ethyl Ketone
U188 Phenol
U210 Tetrachloroethene
U220 Toluene
U226 1,1,1-Trichloroethane
U228 Trichloroethene
U239 Xylene

B. Design and Operation of Facility. The permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste constituents to air, soil or surface water which could threaten human health or the environment.

C. Required Notice.

(1) The permittee shall notify the Secretary of the Department of Human Resources in writing at least four weeks in advance of the date the permittee expects to receive hazardous waste from a source outside of the United States. Notice of subsequent shipments during the same calendar year of the same waste from the same foreign source is not required.

(2) When the permittee receives hazardous waste from an off-site source (except where the permittee is also the generator), he must inform the generator in writing that he has the appropriate permit(s) for, and will accept, the waste the generator is shipping. The permittee shall keep a copy of this written notice as part of the operating record.

D. General Waste Analysis. The permittee shall follow the procedures described in the waste analysis plan as indicated in enclosure 11 of the attachment. Results of these analyses shall be maintained as per 40 CFR 264.13 as adopted in 10 NCAC 10F .0032. and as identified in condition I.D.9.

The permittee shall verify its waste analysis as part of the quality assurance program. The quality assurance program will be in accordance with current EPA practices or equivalent methods approved by the Secretary of the Department of Human Resources; and at a minimum ensure that the permittee maintains proper functional instruments, uses approved sampling and analytical methods, assures the validity of sampling and analytical procedures, and performs correct calculations.

Special Condition

Generating organization certification may be used in lieu of laboratory analysis for routine waste handling only if adequate information is provided to positively identify the waste and insure that it may be properly stored, transported and disposed of. The certification shall be the Disposal Turn-in Document (DTID). Unless a waste is handled in accordance with enclosure 1 (Base Order 6240.5) and enclosure 2 (Consolidated Hazardous Material/Hazardous waste Disposal Guidance) of the attachment, a waste analysis must be performed in accordance with enclosure 11 of the attachment.

E. Security. The permittee shall comply with the security provisions of 40 CFR 264.14(b) and (c) as adopted in 10 NCAC 10F .0032 and page 29, part F of the attachment.

F. General Inspection Requirements. The permittee shall follow the inspection schedule as described on pages 29-31, part F of the attachment and shall comply with 40 CFR 264.15 (c) and (d) as adopted in 10 NCAC 10F .0032.

G. Personnel Training. The permittee shall conduct personnel training in accordance with 40 CFR 264. 16 as adopted in 10 NCAC 10F .0032 and as described on pages 36-39, part H of the attachment.

H General Requirements for Ignitable, Reactive, or Incompatible Waste. The permittee shall comply with the requirements of 40 CFR 264.17(a) as adopted in 10 NCAC 10F .0032 and the documentation requirements of 264.17(c) as adopted in 10 NCAC 10F .0032.

I. Required Equipment. The permittee shall equip the facility and make readily available to operating personnel the necessary equipment to carry out the contingency plan, as described on page 32, part F of the attachment. At all times, the equipment requirement described in 40 CFR 264.52, as adopted in 10 NCAC 10F .0032 shall be met.

J. Testing and Maintenance of Equipment. The permittee shall test and maintain the equipment specified in the previous permit condition and as identified on page 30, part F of the attachment, as necessary to ensure its proper operation in time of emergency.

K. Access to Communications or Alarm System. The permittee shall maintain access to the communications or alarm system as required by 40 CFR 264.34 as adopted in 10 NCAC 10F .0032.

L. Contingency Plan.

1. Implementation of Plan. The permittee shall immediately carry out the provisions of the contingency plan whenever there is a fire, explosion, or release of hazardous waste or constituents which threatens or could threaten human health or the environment as required by 40 CFR 264.56 as adopted in 10 NCAC 10F .0032.

2. Copies of Plan. The permittee shall comply with the requirements of 40 CFR 264.53 as adopted in 10 NCAC 10F .0032.

3. Special Condition. The Base Fire Chief will, at least annually, review the contingency plan and the types of wastes located in the hazardous waste storage facility with representatives of the Naval Hospital and Base Provost Marshall

4. Amendments to Plan. The permittee shall review and immediately amend, if necessary, the contingency plan, in accordance with 40 CFR 264.54 as adopted in 10 NCAC 10F .0032.

5. Emergency Coordinator. The permittee shall comply with the requirements of 40 CFR 264.55 as adopted in 10 NCAC 10F .0032, concerning the emergency coordinator.

M. Manifest System. The permittee shall comply with the manifest requirements of 40 CFR 264.71, 264.72, and 264.76 as adopted in 10 NCAC 10F .0032.

N. Recordkeeping and Reporting.

1. Operating Record. The permittee shall maintain a written operating record at the facility in accordance with 40 CFR 264.73(a), (b)(1), (2), (3), (4), (5), (6), (7) (off-site only), and (8) as adopted in 10 NCAC 10F .0032.

2. Annual Report. The permittee shall comply with the annual report requirements of 40 CFR 264.75 as adopted in 10 NCAC 10F .0032.

O. Closure

1. Performance Standard. The permittee shall close the facility in accordance with the closure plan as described on pages 40-43, part I of the attachment, and as required in 40 CFR 264.111 as adopted in 10 NCAC 10F .0032.

2. Amendment to Closure Plan. The permittee shall amend the closure plan in accordance with 40 CFR 264.112(b) as adopted in 10 NCAC 10F .0032 whenever necessary.

3. Notification of Closure. The permittee shall notify the Secretary of the Department of Human Resources at least 180 days prior to the date he expects to begin closure.

4. Time Allowed For Closure. Within 90 days (unless a waiver is granted) after receiving the final volume of hazardous waste, the permittee shall treat or remove from site all hazardous waste in accordance with the schedule specified in the closure plan . After receiving the final volume of hazardous waste, the permittee shall complete closure activities in accordance with the schedule specified in the closure plan on page 42, part I of the attachment.

5. Disposal or Decontamination of Equipment. The permittee shall comply with the requirements of 40 CFR 264.114 as adopted in 10 NCAC 10F .0032.

6. Certification of Closure. The permittee shall certify that the facility has been closed in accordance with the specifications in the closure plan as required by 40 CFR 264.115 as adopted in 10 NCAC 10F .0032.

PART III - STORAGE IN CONTAINERS

The container storage facility consists of two enclosed buildings, each approximately 3200 square feet in area. Both have concrete floors. One building, TP-451, is for receiving the waste to be sold and has two curbed areas to segregate corrosive wastes from other wastes. The maximum storage capacity of this building is 224 55-gallon containers. The second building, TC-863, receives waste from builing TP-451 that is designated for ultimate disposal at a TSD facility. Building TC-863 has six individual areas that are segregated by trenches. The maximum storage capacity of this building is 504 55-gallon containers. All drums in both buildings are stored on pallets and cannot be stacked more than two high.

A. Condition of Containers. If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the permittee shall transfer the hazardous waste from such container to a container that is in good condition or manage the waste in some other way that complies with the requirements of the conditions of this permit.

B. Compatibility of Waste with Containers. The permittee shall comply with 40 CFR 264.172 as adopted in 10 NCAC 10F .0032 and ensure that the ability of the container to contain the waste is not impaired.

C. Management of Containers. The permittee shall manage containers in accordance with 40 CFR 264.173 as adopted in 10 NCAC 10F .0032 and as described on page 25, part D of the attachment.

D. Inspections. The permittee shall inspect container storage areas in accordance with 40 CFR 264.174 as adopted in 10 NCAC 10F .0032 and as described on pages 29 and 30, part F of the attachment.

E. Aisle Space. At a minimum, the permittee shall maintain aisle space as required by 40 CFR 264.35 as adopted in 10 NCAC 10F .0032. Aisle space shall be maintained at no less tha 4 feet between palleted rows of containers. A minimum distance of no less than one foot shall be maintained between outside perimetric palleted rows and the walls of the storage facilities. A clear and unobstructed access area shall be maintained at no less than a distance of 5 feet out from and along the front of all curbed and/or trenched containment areas at all times.

F. Containment. The permittee shall comply with the requirements of a containment system found in 40 CFR 264.175(b)(1)-(5) as adopted in 10 NCAC 10F .0032, including having a base which is free of cracks and gaps and able to contain leaks, spills and accumulated rainfall until such time that the material is detected and removed, be designed for efficient drainage and having sufficient capacity to contain 10% of the volume of containers. The permittee shall maintain the containment system in accordance with pages 25-27, part D of the attachment.

G. Special Requirements for Ignitable or Reactive Waste. The permittee shall not locate containers holding ignitable or reactive waste within 15 meters (50 feet) of the facility's property line.

H. Special Requirements for Incompatible Waste.

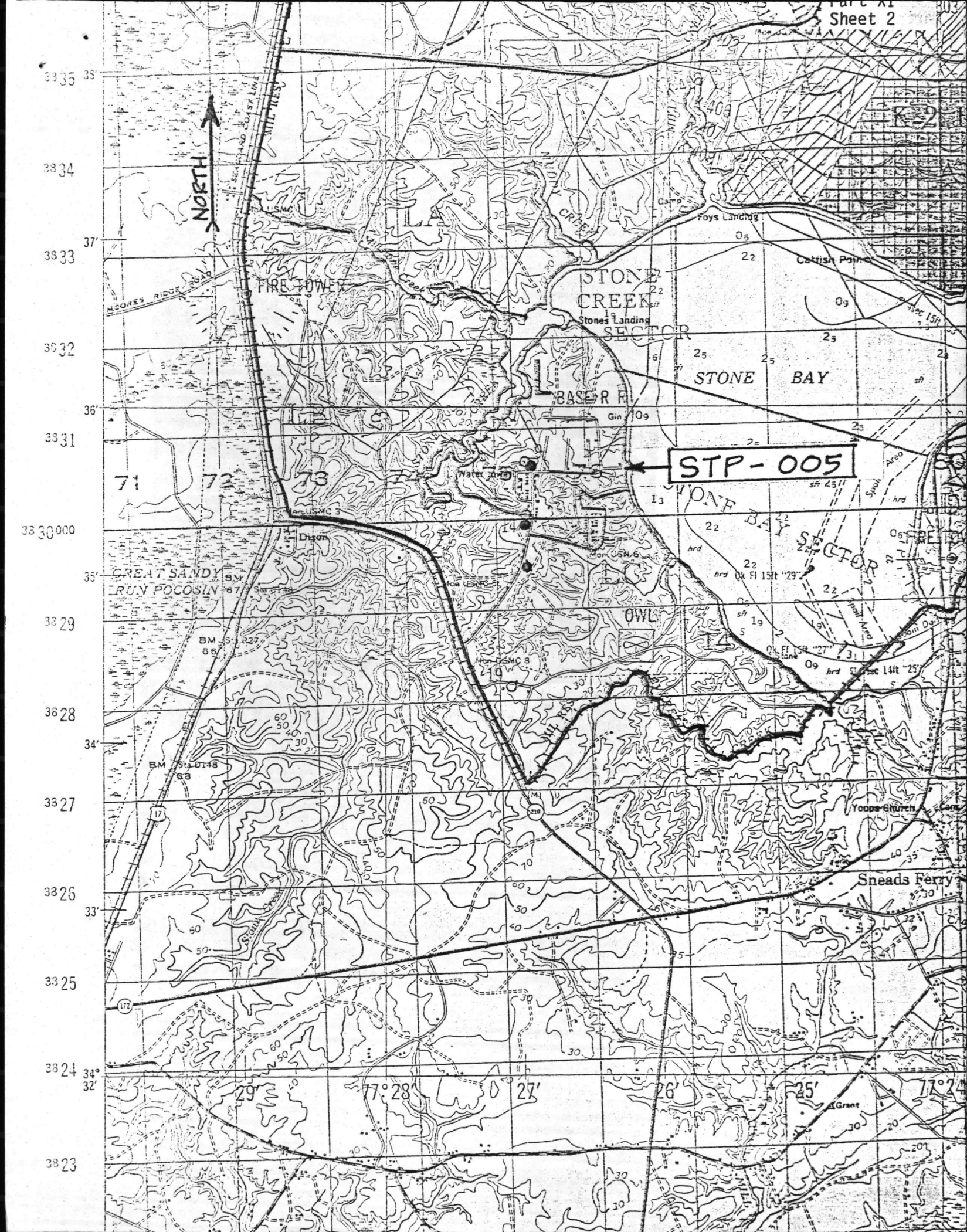
(1) The permittee shall not place incompatible wastes in the same container.

(2) The permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or material.

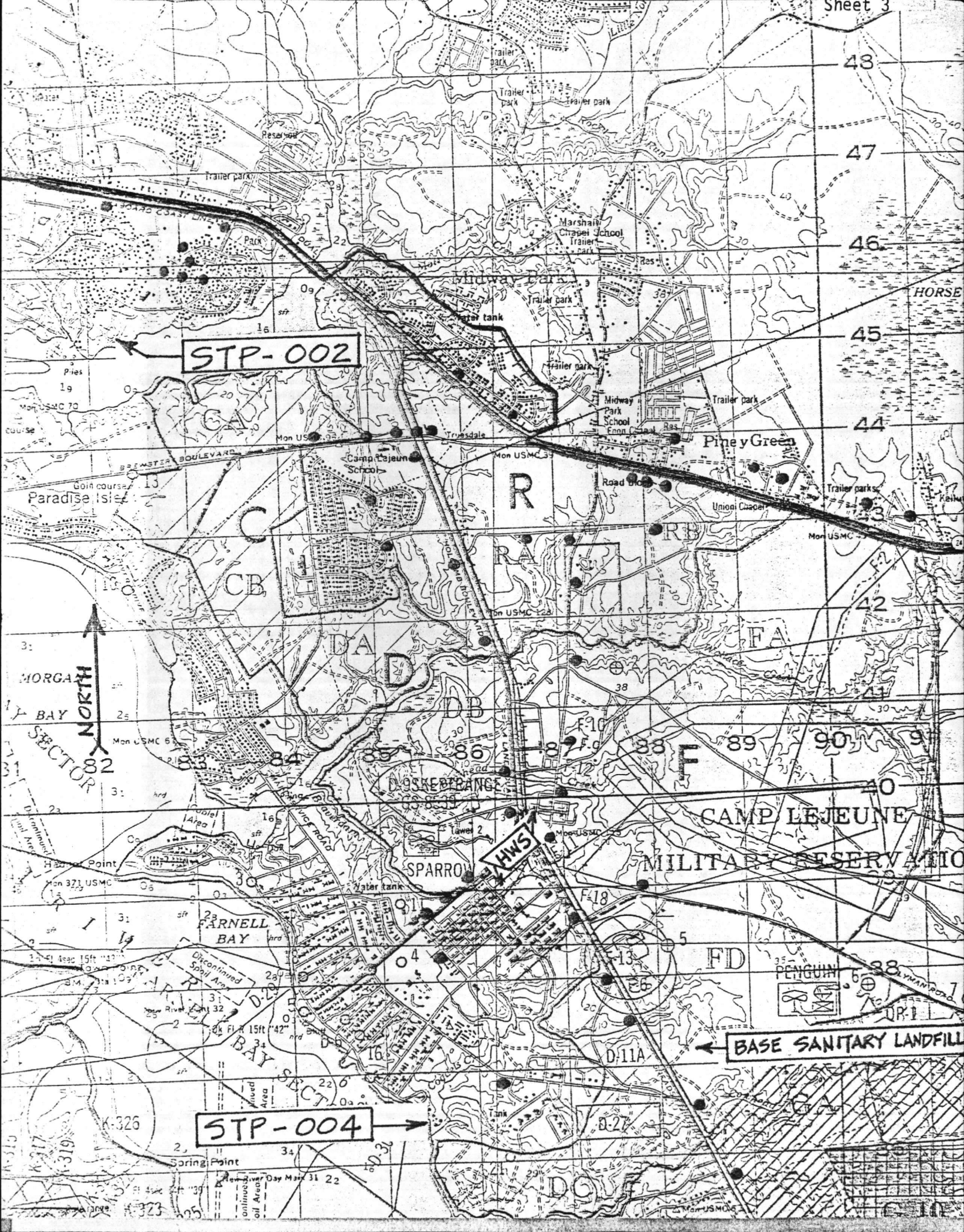
(3) The permittee shall not store a container of hazardous waste that is incompatible with any waste or material stored nearby in other containers, piles, open tanks or surface impoundments unless the container is separated from the other materials by a dike, berm, wall, or other device.

I. Closure. The permittee shall follow the closure plan as described in enclosure 3 of the attachment, and shall comply with 40 CFR 264.178 as adopted in 10 NCAC 10F .0032.


Sheet 1
JACKSONVILLE
NORTH
STP-001
STP-003
Wilson Landing
Water tank
Filtration
Beacon
Tank
Tanks
Paradise Pt
Ragged Point
SOUTHWEST CREEK
EAGLE
Verona
FIRE TOWER
CARDINAL
CAMP LEJEUNE
MILITARY RESERVATION
Trailer park
Cem
Blue Creek
Tank Creek
Hicks Run
Cavis Creek
Mumford Pt
Discontinued Spoil Area
Holmes
Vernona


Part XI
Sheet 2
NORTH
STONE CREEK
Stones Landing
SECTOR
STONE BAY
BASER R
STP - 005
FIRE TOWER
Foys Landing
Catfish Point
Camp
Dixon
GREAT SANDY RUN POCOSIN
OWL
Yoops Church
Sneads Ferry
Grant
77° 28'
77° 24'
29'
27'
26'
25'
34°
32'

Sheet 3


STP-002
STP-004
HWS
BASE SANITARY LANDFILL
NORTH
Trailer park
Reservoir
Marshall Chapel School
Midway Park
Water tank
Midway Park School
Piney Green
Road Block
Union Chapel
Trailer parks
Mon USMC 39
Mon USMC 70
Truesdale
Camp Lejeune School
BREWSTER BOULEVARD
Golf course
Paradise Isle
HOLCOMB BOULEVARD
Mon USMC 128
Mon USMC 63
MORGAN BAY
SECTOR
D-9 SKEET RANGE
SPARROW
CAMP LEJEUNE
MILITARY RESERVATION
Hadnot Point
Mon 371 USMC
FARNELL BAY
Discontinued Spoil Area
New River Light 32
BAY SECTOR
Spring Point
New River Day Mark 31
PENGUIN
HORSE
GA
C
CB
R
RA
RB
D
DA
DB
DC
F
FA
FD
F-10
F-12
F-18
F-13
D-11A
D-27
D-32
D-6
K-326
K-323
LYMAN ROAD
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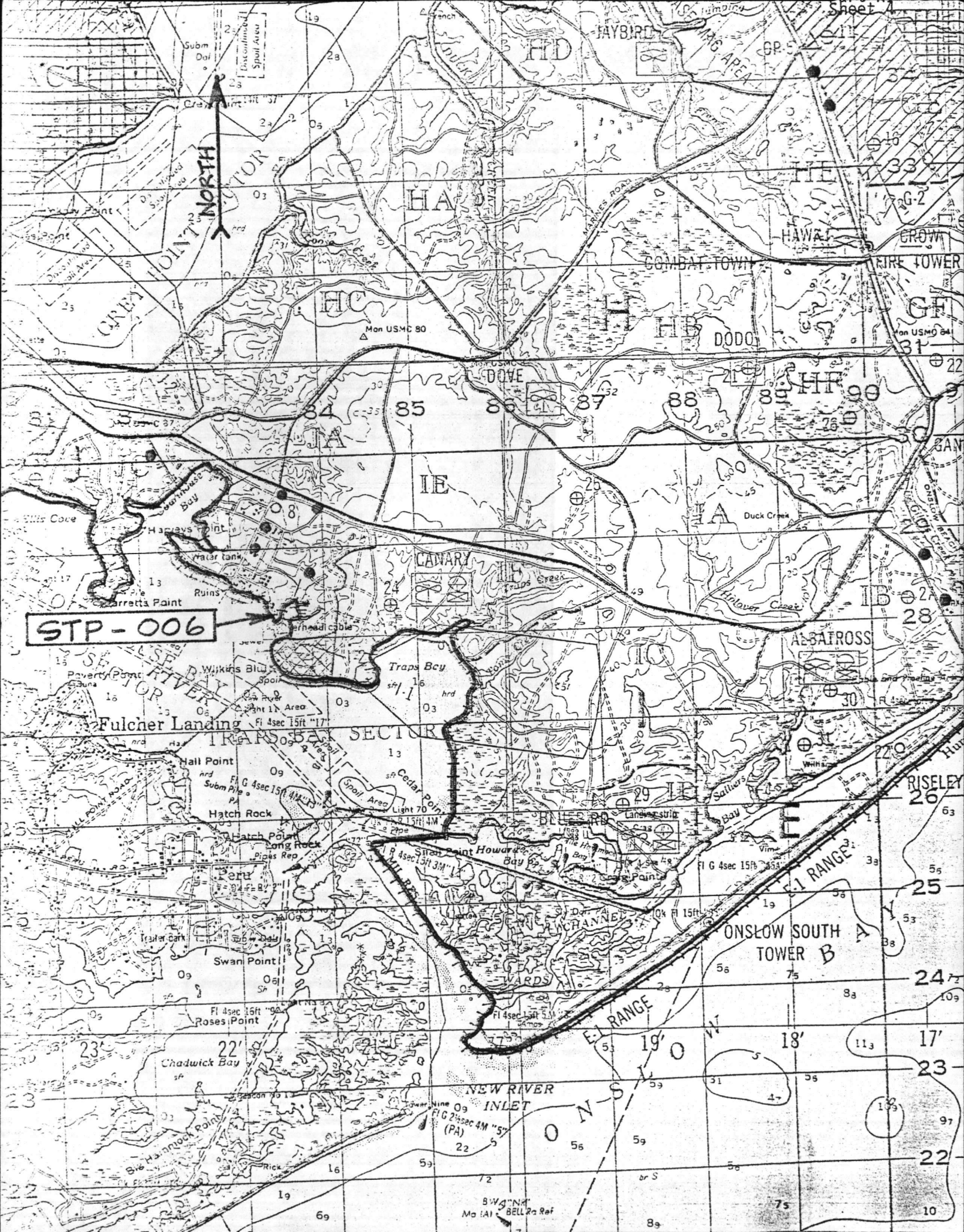
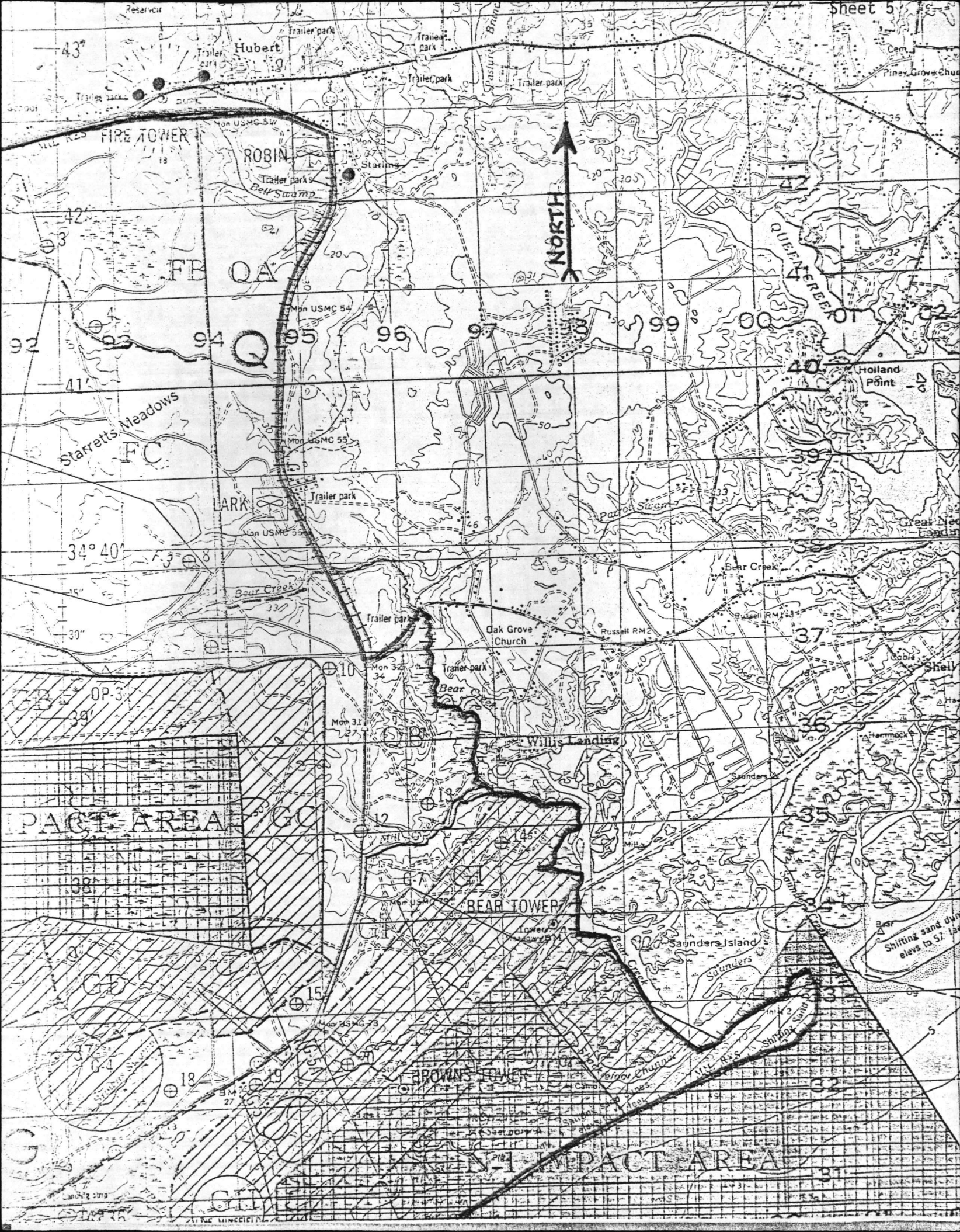
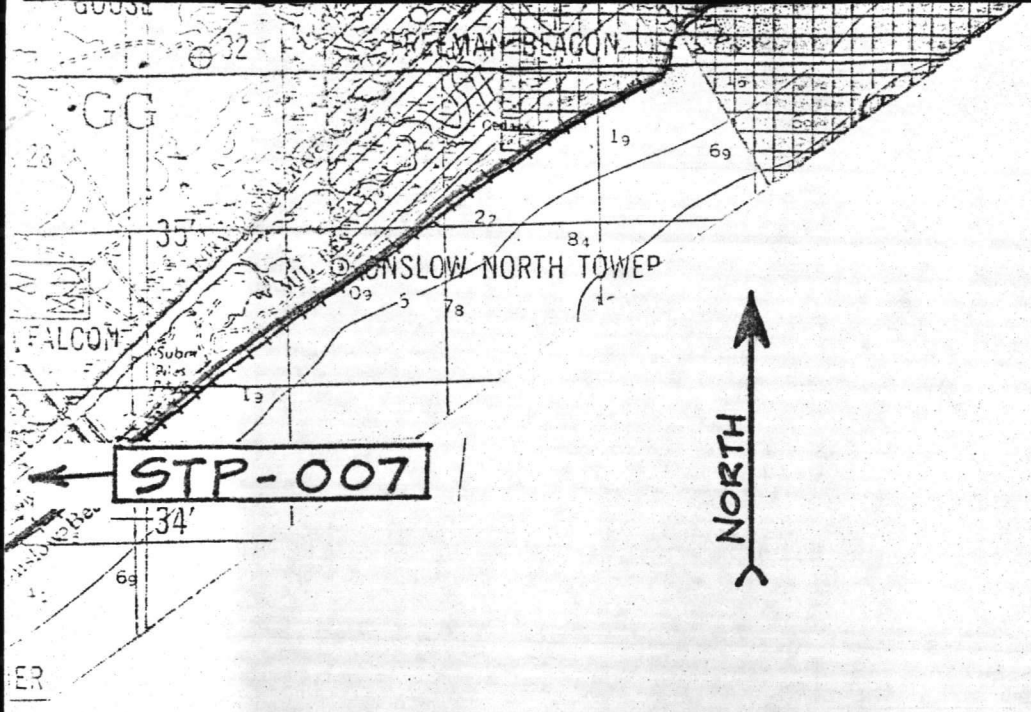
90

Sheet 4


STP-006
NORTH
GREY POINT SECTOR
TRAPS BAY SECTOR
SE RIVER
JAYBIRD
HD
HA
HC
HE
HB
HF
GF
JA
IE
IA
IB
IC
ID
COMBAT TOWN
HAWAI
CROW
FIRE TOWER
DODO
DOVE
CANARY
ALBATROSS
BLUEBIRD
RISELEY
84
85
86
87
88
89
90
Mon USMC 80
Courthouse Bay
Harveys Point
Water tank
Ruins
Barretts Point
Overhead cable
Wilkins Bluff
Poverty Point
Fulcher Landing
Hall Point
Hatch Rock
Hatch Point
Long Rock
Peru
Trailer park
Swan Point
Roses Point
Chadwick Bay
Big Hammock Point
Traps Bay
Traps Creek
Duck Creek
Cedar Point
Spoil Area
Sneads Ferry
Howard Bay
Hammock Bay
Landing strip
Salliers Bay
Stones Bay
MARINES ROAD
ONSLOW BEACH
NEW RIVER INLET
ONSLOW SOUTH TOWER
ONSLOW BAY
E-1 RANGE
CHANNEL
26
25
24
23
22
19'
18'
17'
22'
23'


Sheet 5
Hubert
Trailer park
FIRE TOWER
ROBIN
Starling
Bell Swamp
NORTH
QUEEN CREEK
Holland Point
Starretts Meadows
LARK
Parrot Swamp
Bear Creek
Oak Grove Church
Russell RM2
Willis Landing
Saunders
Hammock
IMPACT AREA
BEAR TOWER
Saunders Island
Shifting sand dune elevs to 57
BROWNS TOWER
N-1 IMPACT AREA


FREEMAN BEACON
ONSLOW NORTH TOWER
FALCON
STP-007
NORTH

HAZARDOUS WASTE LIST

EPA CODE USED ON PERMIT APPLICATION	POUNDS (Nearest100)	VOLUME 55 Gal Drum* (Equivalent#)	FT^3 or GAL	WASTES (Major constituent)
F001 (Used as degreasers)	10500	26	1430 gal	Spent Halogenated Solvents: Tetrachloroethylene
F002 (Used as solvents)	6800	17	935 gal	Trichloroethylene Trichloroethane
F003	900	2	110 gal	Spent Non-halogenated Solvents: Alcohol Ether
F005	1800	4	220 gal	Spent Non-halogenated Solvents: Toluene Methyl Ethyl Ketone Sludges related to these
F007	12600	31	1705 gal	Paint Residues From Industrial Painting: Lead based paints Xylene Waste Solvents Waste Strippers
U002	100	(Less than 1)	(Less than 15 gal)	Acetone
U013	12700	-	12700 Ft^3	Asbestos
U122	200	(Less than 1)	25 gal	Formaldehyde
D000	500	1	60 gal	Toxic Wastes: Ammonia Compounds Insecticide
D000 and D001	110000	280	25400 gal	Toxic and Ignitable: Mixed Solvents Cleaning Compounds
D001	32000	80	4400 gal	Ignitable Wastes: Cleaning Solvents Acetylene Wastes

* 400 Lbs. Wastes/Drum

EPA CODE USED ON PERMIT APPLICATION	POUNDS (Nearest 100)	VOLUME 55 Gal Drum* (Equivalent#)	FT^3 or Gal	WASTES (Major constituent)
D002	25000	63	3465	Corrosives: Battery Acids Ferric Chloride Hydrochloric Acids Cleaning Compounds
D003	100	(Less than 1)	(Less than 15)	Reactive: Bleaches Chlorine Compounds

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

FAC/REA/nh
6280/2

8 MAR 1984

From: Assistant Chief of Staff, Facilities
To: Director, Natural Resources and Environmental Affairs Division

Subj: RCRA Part B Permit; Information required by State of North Carolina

Encl: (1) NC Solid & Hazardous Waste Mgt Br ltr dtd 24 Feb 84

1. Request that subject information requested by the enclosure be developed for forwarding by this office to the State by 29 Mar 84. Mr. Alexander will assist you in development of the Part G-Contingency Plan section as it relates to coordination of emergency services.

2. Point of contact for this action is Mr. Alexander, ext 3034.

B. W. ELSTON
By direction

Copy to:
SJA
DPDO
BFire

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

February 24, 1984

Commanding General
Marine Corps Base
Office of AC/S Facilities
Attention: Bob Alexander
Camp Lejeune, NC 28542
NC6170022580

Re: Part B Application - Hazardous Waste Management Permit
First Notice of Deficiency

Dear Mr. Alexander:

An initial review has been performed on your Part B application. The attached list identifies specific deficiencies that must be corrected in order for the technical review to continue. Please submit four copies of an addendum that addresses all identified deficiencies in their entirety by March 30, 1984. Failure to submit these addendums on or before the compliance date can result in enforcement actions or a decision to deny the permit.

Should you desire a clarification of any identified deficiency or can show reasonable cause that the addendums can not be submitted on or before the compliance date, please contact me immediately at (919) 733-2178.

Sincerely,

James Carter

James Carter, Environmental Chemist
Solid & Hazardous Waste Management Branch
Environmental Health Section

JC:ns
Enclosures
cc: Richard Gay

NOTICE OF DEFICIENCY

MARINE CORPS BASE
CAMP LEJEUNE, N.C.
NC6170022580

PART C - WASTE CHARACTERISTICS

C-1 Chemical and Physical Analysis
40 CFR 270.14 as referenced in 10 NCAC 10F .0034(b)(4)
40 CFR 264.13(a) as referenced in 10 NCAC 10F .0032(c)

Provide information about the specific wastes handled at Camp Lejeune. The information should include a complete list of stored wastes, a general description of each waste (i.e. the chemical constituents of each waste, what operations produce these wastes), and the hazardous characteristics of each waste.

Table 1 is an example of a good format to use.

Provide laboratory results for past analyses on hazardous waste stored at Camp Lejeune.

C-2a Parameters and Rationale
40 CFR 264.13(b)(1) as referenced in 10 NCAC 10F .0032(c)

In the Waste Analysis Plan, provide an itemized list of parameters to be chosen for analysis of each individual waste.

Table 2 is an example of a good format to use.

C-2b Test Methods
40 CFR 264.13(b)(2) as referenced in 10 NCAC 10F .0032(c)

The Waste Analysis Plan should state specific test methods to be used for various analyses.

Table 3 is an example of a good format to use.

PART G - CONTINGENCY PLAN

Lt Long - PWC 4900 (FAC MGMT)
DR BOSTON - EN SERVICE - 4840
EN McPherson OP MGMT 4690
LCDR AMMONS

G-1 General Information
40 CFR 264.52(c) as referenced in 10 NCAC 10F .0032(e)

Document that arrangements have been made with Base Hospital and Military Police to coordinate emergency services. They should be familiarized with the chemicals stored at your facility and they should be provided with a copy of the Contingency Plan.

G-4a Notification
40 CFR 264.56(a)(2) as referenced in 10 NCAC 10F .0032(e)

Provide in your Contingency Plan for notification of state and local agencies.

G-8 Required Reports
40 CFR 264.56(j) as referenced in 10 NCAC 10F .0032(e)

Submit a statement that Camp Lejeune will report emergency incidents to the North Carolina Solid & Hazardous Waste Management Branch within 15 days after the incident. Also a notation of the incident must be entered in the operating record identifying the time, date, and details of the emergency incident. Please state your intentions to do this.

PART I - CLOSURE

I-1d Inventory, Disposal, Removal, or Decontamination of Equipment
40 CFR 264.114 as referenced in 10 NCAC 10F .0032(g)

Provide a plan for decontamination or disposal of facility equipment and structures when closure is completed. In this plan, explain decontamination procedures including criteria for determining contamination, equipment used, and procedures for decontaminating clean-up materials and residues. You should also include your plans to demonstrate that clean-up has been effective.

I-1d(1) Closure of Containers
40 CFR 264.178 as referenced in 10 NCAC 10F .0032(i)

Discuss removal of hazardous waste residues from the containment system at closure. Describe what steps will be taken to perform the clean-up.

I-1e(1) Time Allowed for Closure
40 CFR 264.113(a) and (b) as referenced in 10 NCAC 10F .0032(g)

Your Closure Plan should state Camp Lejeune's intentions to remove all hazardous waste off-site within 90 days from receipt of final volume of waste. It must also state your intentions to complete all closure activities within 180 days from receipt of final volume of hazardous waste.

TABLE 1

WASTES, ASSOCIATED HAZARDS, AND BASIS FOR HAZARD DESIGNATION

Chemical	Hazard	Basis for hazard designation
Tanks		
Pickle liquor (hydrochloric acid)	Corrosive, Toxic	Listed waste K062 has pH of 1 EP toxic, lead and hexavalent chromium
1,1,1-trichloroethane	Toxic	Listed waste F001
Drums		
Vinyl acetate sludge	Ignitible	Flash point of pure vinyl acetate is 18°F. Tested flash point for waste is 25°F.
Vinyl chloride sludge	Ignitible	Flash point of pure vinyl chloride is -108°F. Tested flash point for waste is 6°F.
Pickle liquor sludge	Corrosive, Toxic	Has pH of 1; EP toxic, lead and hexavalent chromium
Metal grindings	Toxic	EP toxic, lead and hexavalent chromium
Waste pile		
Metal hydroxide sludge	Toxic	EP toxic, lead and hexavalent chromium

TABLE 2

PARAMETERS AND RATIONALE FOR THEIR SELECTION

Hazardous waste	Parameter	Rationale
Pickle liquor (hydrochloric acid)	pH, EP toxicity (Pb, Cr^{+6})	The waste is a listed hazardous waste (K062) due to its toxicity (lead and hexavalent chromium) and due to its corrosivity (pH <2).
1,1,1-trichloroethane	1,1,1-trichloroethane	This is a listed toxic waste (F001). There is no reason to believe this waste will contain any other toxic constituents in significant concentrations.
Vinyl acetate sludge	Flash point	This waste is ignitible. Practical grade vinyl acetate has a flash point of 18°F. Knowledge of this value helps to ensure the safe handling of these wastes.
Vinyl chloride sludge	Flash point	The waste is ignitible. Practical grade vinyl chloride has a flash point of -108°F. Knowledge of this value helps to ensure the safe handling of these wastes.
Pickle liquor sludge	pH, EP toxicity (Pb, Cr^{+6})	The waste has an estimated pH value of less than 2, making it a corrosive waste. Also it may contain toxic levels of lead and hexavalent chromium.
Metal grindings	EP toxicity (Pb, Cr^{+6})	The grindings contain lead and hexavalent chromium compounds.
Metal hydroxide sludge	EP toxicity (Pb, Cr^{+6})	The sludge contains lead and hexavalent chromium compounds.

TABLE 3

PARAMETERS AND TEST METHODS

Parameter	Test method	Reference
pH	Electrometric	Test Methods for Evaluating Solid Waste. Physical/ Chemical Methods U.S. EPA SW-846
Flash point	Pensky-Martens closed-cap tester	ASTM Standard D-93-79 or D-93-80
EP toxicity	EP toxicity test procedure	40 CFR 261, Appendix II
1,1,1-trichloroethane	GC/FID	Test Methods for Evaluating Solid Waste. Physical/ Chemical Methods U.S. EPA SW 846.
Lead	Atomic absorption	Methods for chemical analysis of water and wastes, EPA-600/4-79/020, March 1979.
Chromium	Atomic absorption	Methods for chemical analysis of water and wastes EPA-600/4-79/020 March 1979

CONTINUED FROM THE FRONT

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

A. FIRST	B. SECOND
C 7 9711 (specify) National Security	C 7 (specify) NA
C. THIRD	**D. FOURTH**
C 7 (specify) NA	C 7 (specify) NA

VIII. OPERATOR INFORMATION

A. NAME: C 8 MARINE CORPS BASE CAMP LEJEUNE

B. Is the name listed in Item VIII-A also the owner? [XX] YES [ ] NO

C. STATUS OF OPERATOR (Enter the appropriate letter into the answer box; if "Other", specify.)
F = FEDERAL
S = STATE
P = PRIVATE
M = PUBLIC (other than federal or state)
O = OTHER (specify)

F (specify NA)

D. PHONE (area code & no.): C A 919 451 5003

E. STREET OR P.O. BOX:

F. CITY OR TOWN: C B CAMP LEJEUNE

G. STATE: NC

H. ZIP CODE: 28542

IX. INDIAN LAND

Is the facility located on Indian lands? [ ] YES [X] NO

X. EXISTING ENVIRONMENTAL PERMITS

A. NPDES (Discharges to Surface Water): C 9 T N I NC0003239	D. PSD (Air Emissions from Proposed Sources): C 9 T P I NA
B. UIC (Underground Injection of Fluids): C 9 T U I NA	E. OTHER (specify): C 9 T I NA (specify)
C. RCRA (Hazardous Wastes): C 9 T R I	E. OTHER (specify): C 9 T I (specify)

XI. MAP

Attach to this application a topographic map of the area extending to at least one mile beyond property bounderies. 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. (SEE ATTACHMENT A)

XII. NATURE OF BUSINESS (provide a brief description)

Military Training and Supporting Activities
Equipment and Vehicle Maintenance
Facilities Maintenance
Personnel Housing, Utilities and Supporting Activities

Note: Sewage treatment plants discharge treated effluent under NPDES Permit NC0003239. These plants treat only sewage produced aboard this Facility.

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
D. R. BARKER [illegible]	DB Barker	31 OCT 1990

COMMENTS FOR OFFICIAL USE ONLY

C

Please print or type in the unshaded areas only
(fill—in areas are spaced for elite type, i.e., 12 characters/in.).

Form Approved OMB No. 158-R0175

FORM 1 GENERAL

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

GENERAL INFORMATION

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

I. EPA I.D. NUMBER

F N C 6 1 7 0 0 2 2 5 8 0

LABEL ITEMS

I. EPA I.D. NUMBER

III. FACILITY NAME

V. FACILITY MAILING ADDRESS

VI. FACILITY LOCATION

PLEASE PLACE LABEL IN THIS SPACE

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' YES	MARK 'X' NO	MARK 'X' 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		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 MARINE CORPS BASE CAMP LEJEUNE

IV. FACILITY CONTACT

A. NAME & TITLE *(last, first, & title)*	B. PHONE *(area code & no.)*
2 DANNY SHARPE ECOLOGIST	919 451 5003

V. FACILITY MAILING ADDRESS

A. STREET OR P.O. BOX: 3 MARINE CORPS BASE

B. CITY OR TOWN	C. STATE	D. ZIP CODE
4 CAMP LEJEUNE	NC	28542

VI. FACILITY LOCATION

A. STREET, ROUTE NO. OR OTHER SPECIFIC IDENTIFIER: 5 MARINE CORPS BASE

B. COUNTY NAME: ONSLOW COUNTY

C. CITY OR TOWN	D. STATE	E. ZIP CODE	F. COUNTY CODE *(if known)*
6 CAMP LEJEUNE	NC	28542	

*See note in Part VII on reverse.

CONTINUE ON REVERSE

Part XI, EPA Form 3510-1 (6-80)

Topographic Map
Marine Corps Base
Camp Lejeune, North Carolina

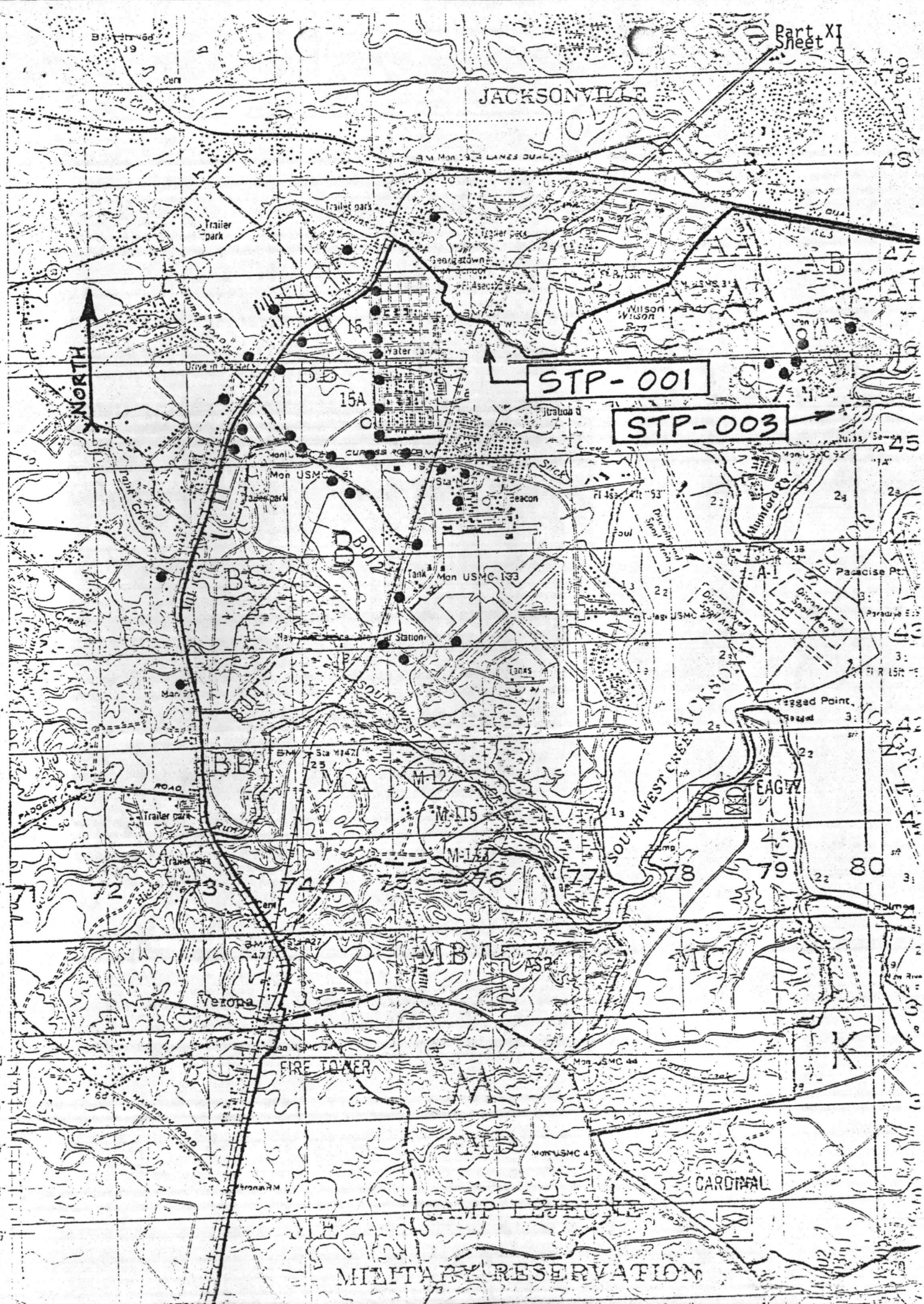
1. The attached maps were copied from the Camp Lejeune Special Map, 5th Edition, September 25, 1976, published by The Defense Mapping Agency Hydrographic Center, Washington, D. C. 20390.

2. Map Scale 1:50,000

3. Contour lines are marked in 10 feet intervals above mean high water level.

4. Symbols used to show requested information are as follows:

Symbol	Feature
	Facility Boundary
	Public Drinking Water Well
STP-001	Sewage Treatment Plant Location and NPDES ID Number
HWS	Facility Used to Store Hazardous Waste Awaiting Transfer to Approved Off Base Disposal Facilities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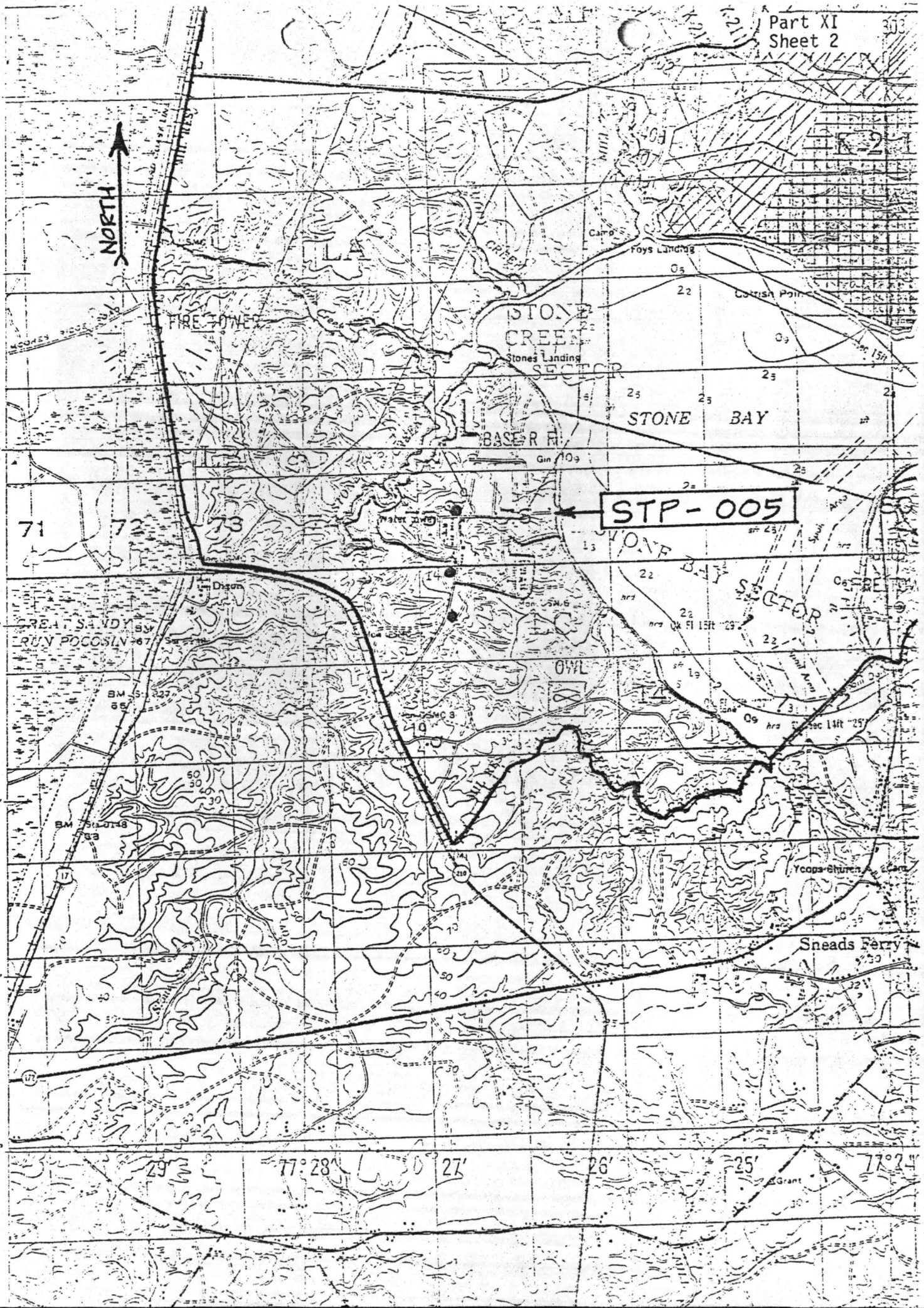
MILITARY RESERVATION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SECTOR
STONE BAY
FIRE ZONE
STP-005
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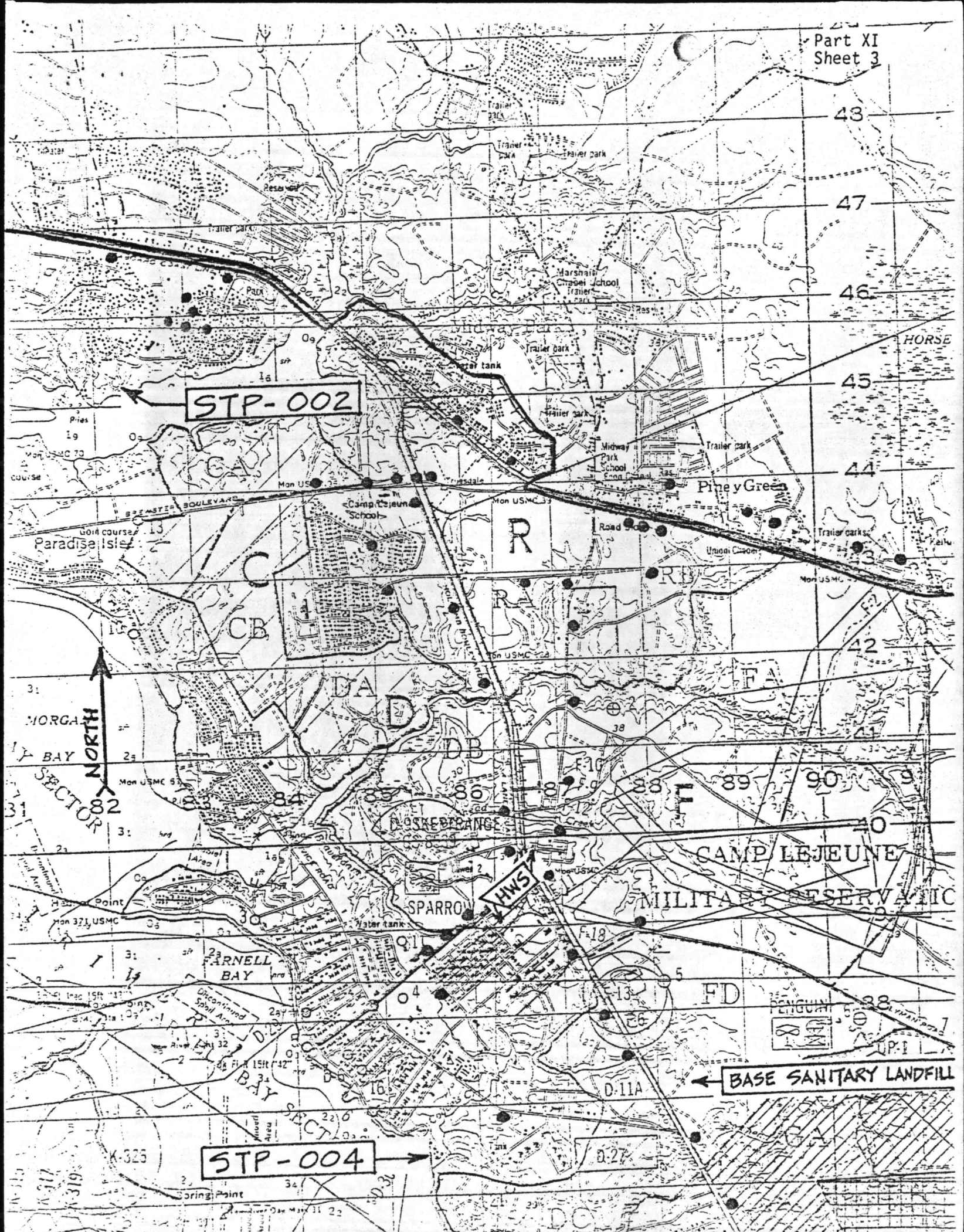
Foys Landing
Cairo
Catfish Point
Dixon
GREAT SANDY RUN POCOSIN
OWL
Sneads Ferry
Ycopa Church
Grant
77°28'
27'
26'
25'
77°24'


STP-002
STP-004
BASE SANITARY LANDFILL
HWS
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CAMP LEJEUNE
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Piney Green
Midway Park
Midway Park School
Marshall Chapel School
Trailer park
Trailer parks
Camp Lejeune School
Paradise Isle
Golf course
BREWSTER BOULEVARD
Truesdale
Water tank
SPARROW
FARNELL BAY
Hadnot Point
MORGAN BAY SECTOR
Spring Point
Union Chapel
Road Side
Reservoir
HORSE
PENGUIN
Mon USMC 33
Mon USMC 28
Mon USMC 63
Mon 371 USMC
C
CA
CB
D
DA
DB
R
RA
RB
F
FA
FD
GA
D-9 SKEET RANGE
F-10
F-12
F-13
F-18
D-11A
D-27
K-326
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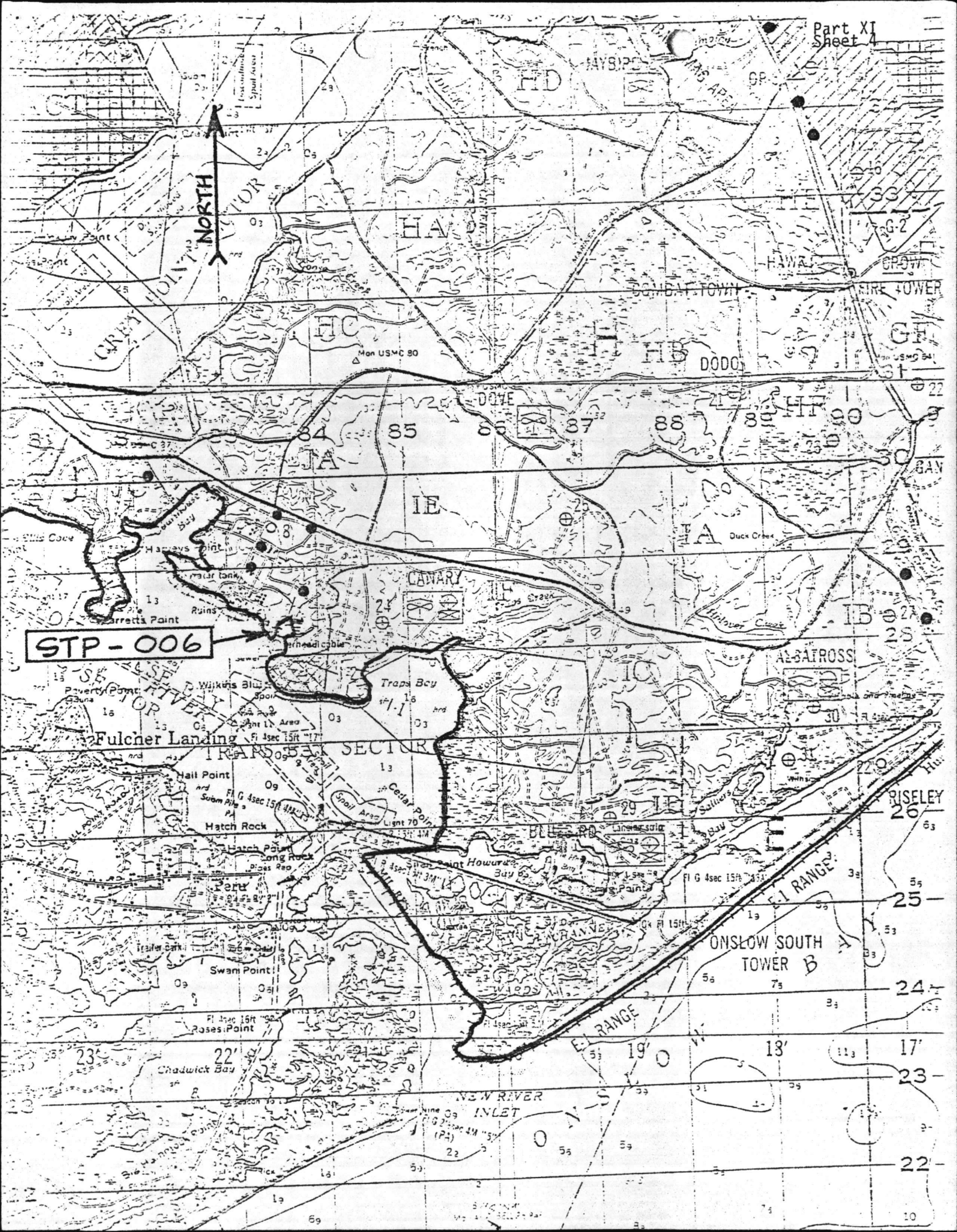
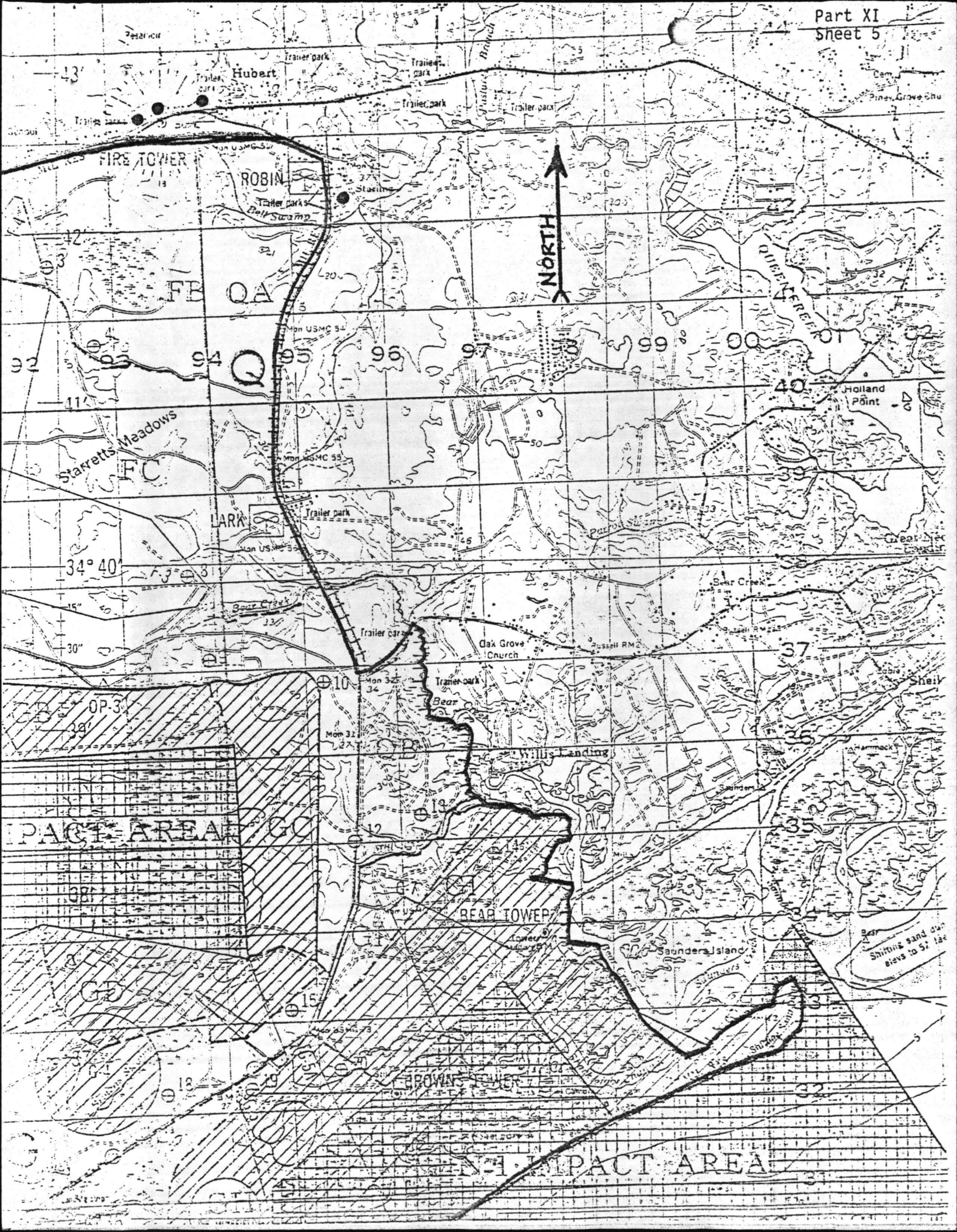
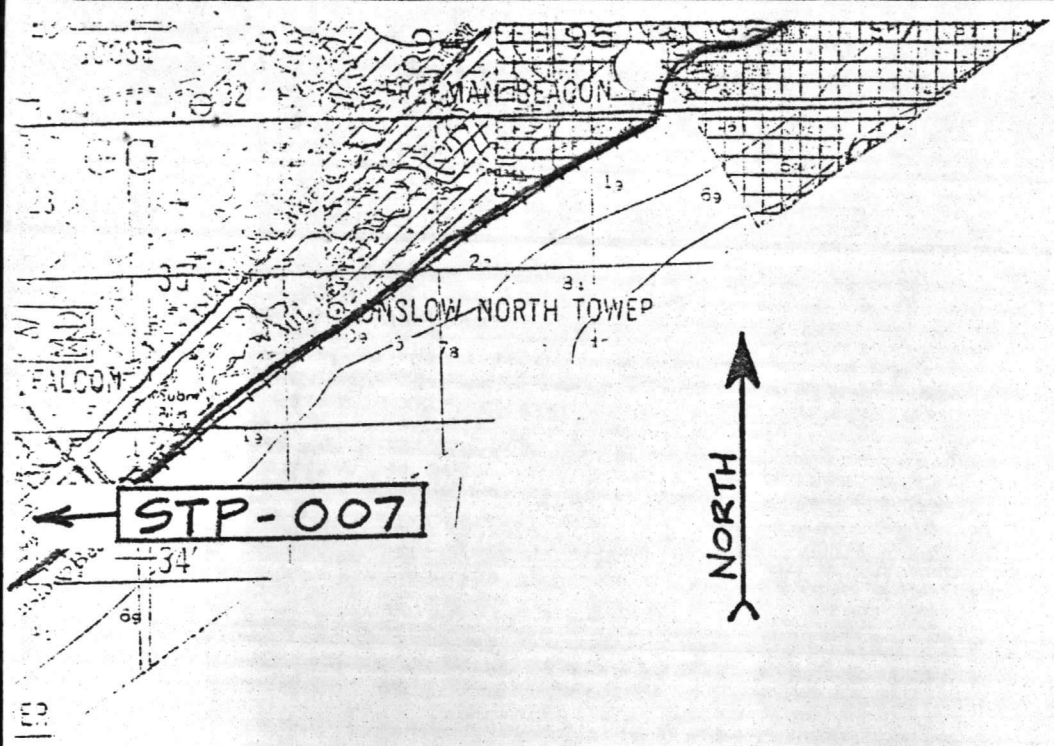

NORTH
STP - 006
Fulcher Landing
Traps Bay
Cedar Point
Hall Point
Hatch Rock
Hatch Point
Long Rock
Swam Point
Roses Point
Chadwick Bay
NEW RIVER INLET
ONSLOW SOUTH TOWER
RISELEY
ALBATROSS
CANARY
DOVE
DODO
COMBAT TOWN
FIRE TOWER
Wilkins Blue
Harveys Point
Garretts Point
Poverty Point
Duck Creek
Howard Bay
Spoil Area
Light 70
Mon USMC 80
E. RANGE


Hubert
Trailer park
FIRE TOWER
ROBIN
Bell Swamp
NORTH
QUEENSBOROUGH
Holland Point
Starretts Meadows
LARK
Bear Creek
Oak Grove Church
Willis Landing
Saunders Island
BEAR TOWER
BROWN TOWER
IMPACT AREA
34° 40'


FREEMAN BEACON
ONSLOW NORTH TOWER
STP-007
NORTH

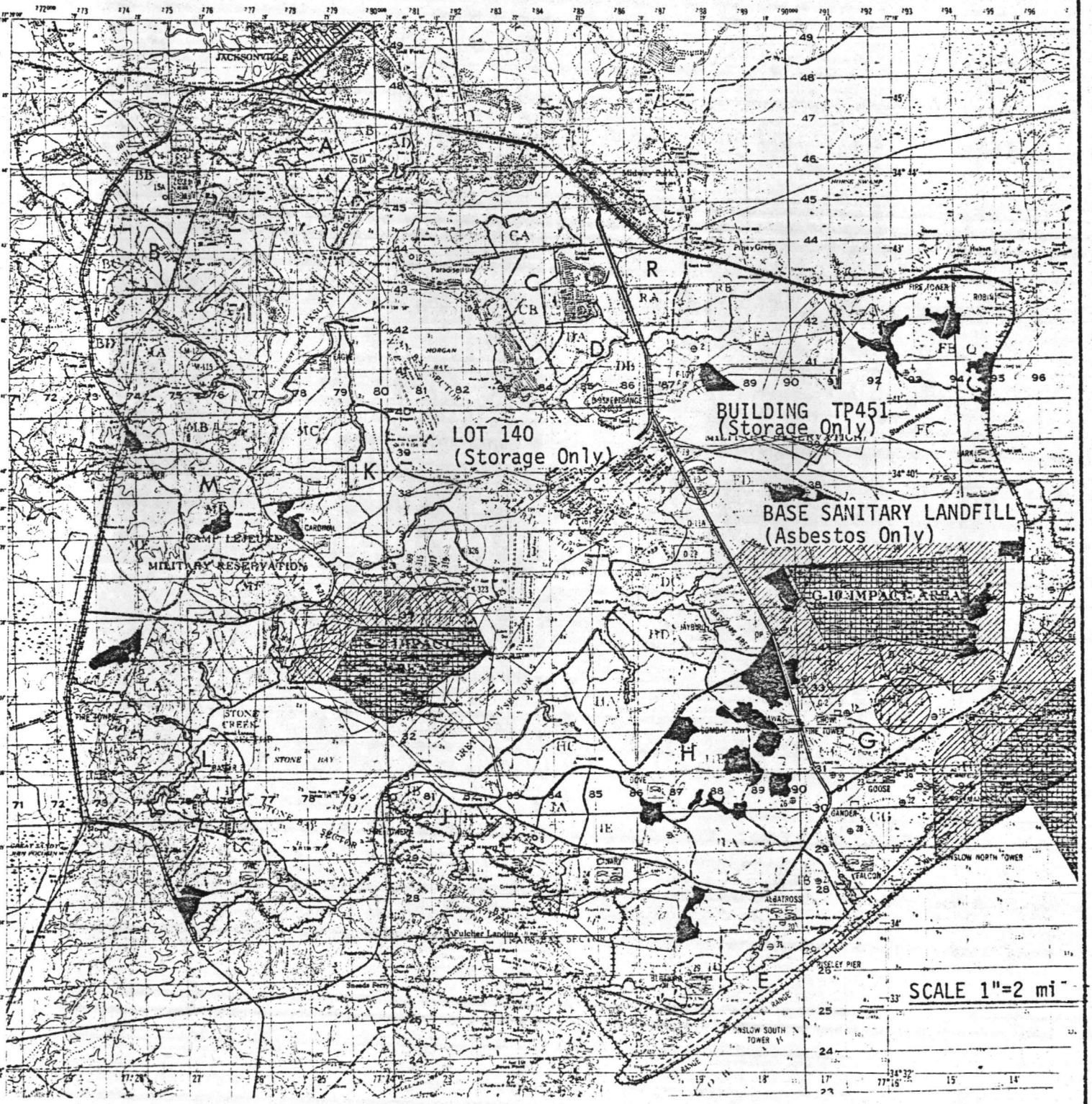
Continued from page 4.

Form Approved OMB No. 158-S80004

V. FACILITY DRAWING *(see page 4)*

Marine Corps Base, Camp Lejeune
EPA ID No. NC 6170022580

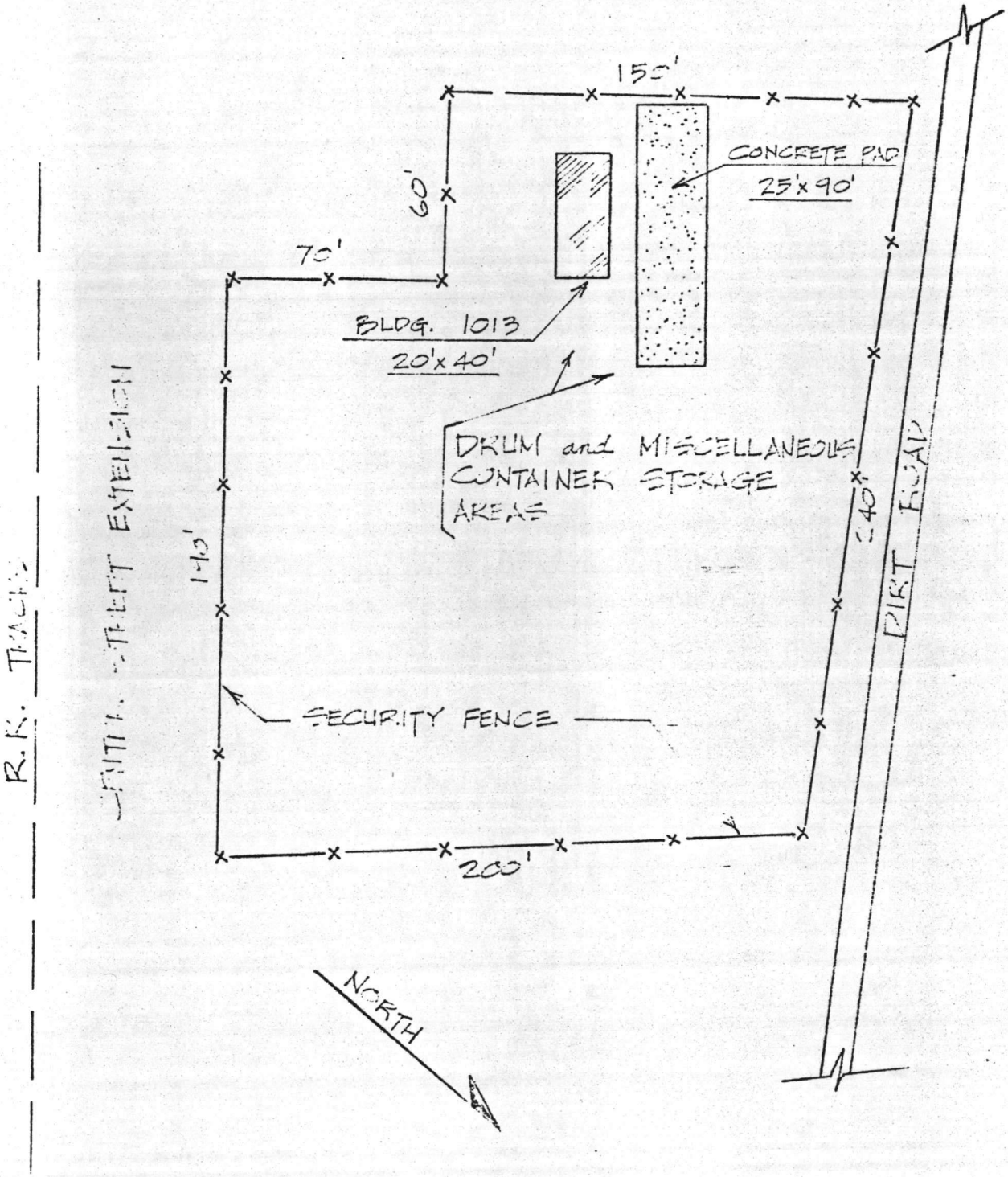
SITE LOCATION MAP
(See Sheets 5A and 5B for Detail)



NOTE: Department of Defense is working with EPA Headquarters to develop a coordinated, workable approach on past hazardous waste disposal sites. Information will be provided when it becomes available.

FACILITY DRAWING

MARINE CORPS BASE
CAMP LEJEUNE, N.C.



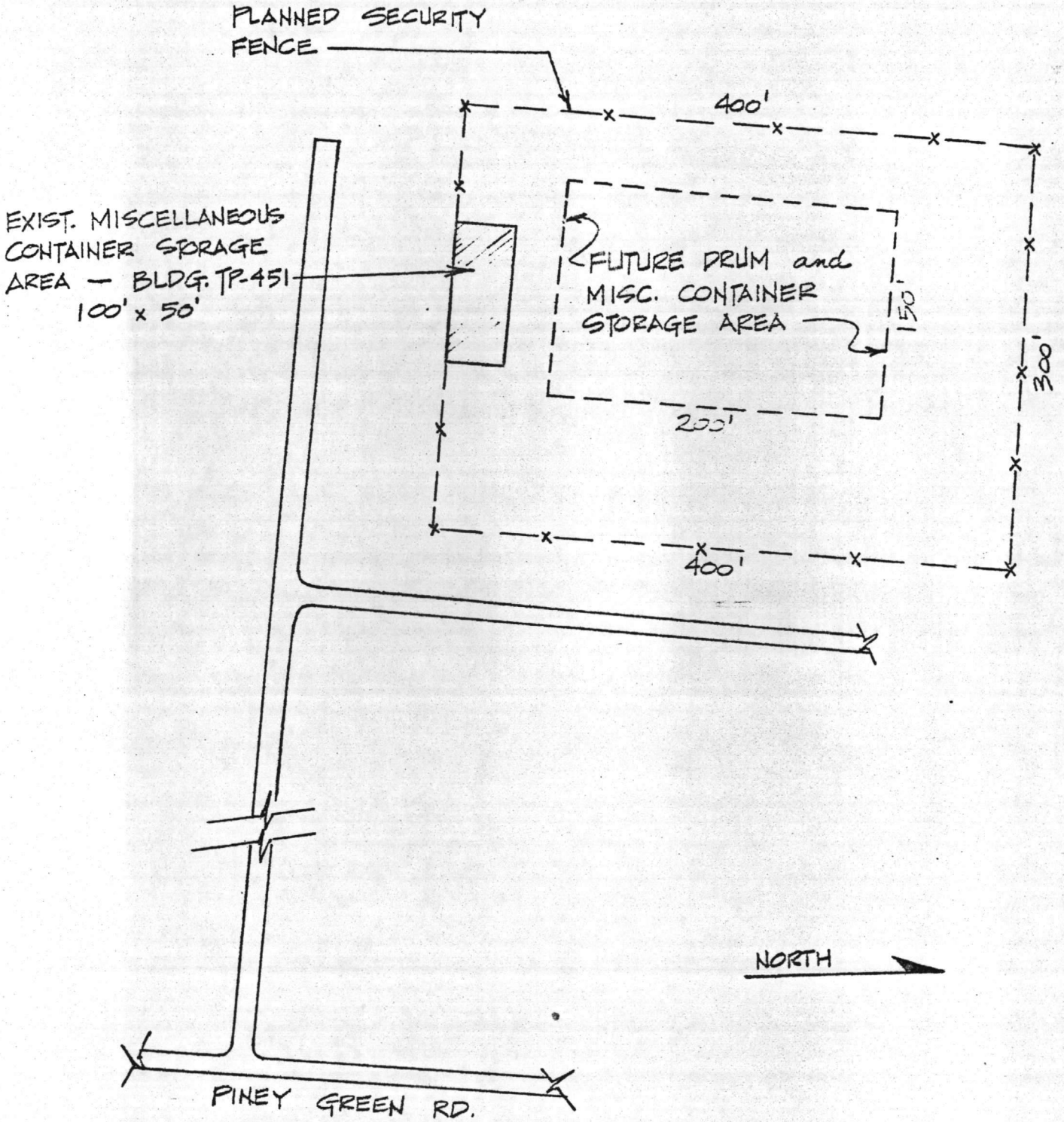
SCALE:
1" = 50'

HAZARDOUS WASTE
STORAGE AREA
LOT 140

SHEET 5A

FACILITY DRAWING

MARINE CORPS BASE
CAMP LEJEUNE, N.C.



SCALE:
1" = 100'

STORAGE AREA
BLDG. TP-451

Please print or type in the unshaded areas only
(fill—in areas are spaced for elite type, i.e., 12 characters).

Approved OMB No. 158-S80004

FORM 3 RCRA

EPA

U.S. ENVIRONMENTAL PROTECTION AGENCY

HAZARDOUS WASTE PERMIT APPLICATION

Consolidated Permits Program

(This information is required under Section 3005 of RCRA.)

I. EPA I.D. NUMBER

S												T/A	C
F	N	C	6	1	7	0	0	2	2	5	8	0	1

1 2 - 13 14 15

FOR OFFICIAL USE ONLY

APPLICATION APPROVED	DATE RECEIVED (yr., mo., & day)	COMMENTS
23	24 - 29	

II. FIRST OR REVISED APPLICATION

Place an "X" in the appropriate box in A or B below *(mark one box only)* to indicate whether this is the first application you are submitting for your facility or a revised application. If this is your first application and you already know your facility's EPA I.D. Number, or if this is a revised application, enter your facility's EPA I.D. Number in Item I above.

A. FIRST APPLICATION *(place an "X" below and provide the appropriate date)*

XX 1. EXISTING FACILITY *(See instructions for definition of "existing" facility. Complete item below.)* (71)

☐ 2. NEW FACILITY *(Complete item below.)* (71)

C	YR.	MO.	DAY
8	PRE-	1945	
15	73 74	75 76	77 78

FOR EXISTING FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR THE DATE CONSTRUCTION COMMENCED *(use the boxes to the left)*

YR.	MO.	DAY
73 74	75 76	77 78

FOR NEW FACILITIES, PROVIDE THE DATE *(yr., mo., & day)* OPERATION BEGAN OR IS EXPECTED TO BEGIN

B. REVISED APPLICATION *(place an "X" below and complete Item I above)*

☐ 1. FACILITY HAS INTERIM STATUS (72)

☐ 2. FACILITY HAS A RCRA PERMIT (72)

III. PROCESSES — CODES AND DESIGN CAPACITIES

A. PROCESS CODE — Enter the code from the list of process codes below that best describes each process to be used at the facility. Ten lines are provided for entering codes. If more lines are needed, enter the code*(s)* in the space provided. If a process will be used that is not included in the list of codes below, then describe the process *(including its design capacity)* in the space provided on the form *(Item III-C).*

B. PROCESS DESIGN CAPACITY — For each code entered in column A enter the capacity of the process.
1. AMOUNT — Enter the amount.
2. UNIT OF MEASURE — For each amount entered in column B(1), enter the code from the list of unit measure codes below that describes the unit of measure used. Only the units of measure that are listed below should be used.

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Storage:		
CONTAINER *(barrel, drum, etc.)*	S01	GALLONS OR LITERS
TANK	S02	GALLONS OR LITERS
WASTE PILE	S03	CUBIC YARDS OR CUBIC METERS
SURFACE IMPOUNDMENT	S04	GALLONS OR LITERS
Disposal:		
INJECTION WELL	D79	GALLONS OR LITERS
LANDFILL	D80	ACRE-FEET *(the volume that would cover one acre to a depth of one foot)* OR HECTARE-METER
LAND APPLICATION	D81	ACRES OR HECTARES
OCEAN DISPOSAL	D82	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	D83	GALLONS OR LITERS

PROCESS	PROCESS CODE	APPROPRIATE UNITS OF MEASURE FOR PROCESS DESIGN CAPACITY
Treatment:		
TANK	T01	GALLONS PER DAY OR LITERS PER DAY
SURFACE IMPOUNDMENT	T02	GALLONS PER DAY OR LITERS PER DAY
INCINERATOR	T03	TONS PER HOUR OR METRIC TONS PER HOUR; GALLONS PER HOUR OR LITERS PER HOUR
OTHER *(Use for physical, chemical, thermal or biological treatment processes not occurring in tanks, surface impoundments or incinerators. Describe the processes in the space provided; Item III-C.)*	T04	GALLONS PER DAY OR LITERS PER DAY

UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE	UNIT OF MEASURE	UNIT OF MEASURE CODE
GALLONS	G	LITERS PER DAY	V	ACRE-FEET	A
LITERS	L	TONS PER HOUR	D	HECTARE-METER	F
CUBIC YARDS	Y	METRIC TONS PER HOUR	W	ACRES	B
CUBIC METERS	C	GALLONS PER HOUR	E	HECTARES	Q
GALLONS PER DAY	U	LITERS PER HOUR	H		

EXAMPLE FOR COMPLETING ITEM III *(shown in line numbers X-1 and X-2 below):* A facility has two storage tanks, one tank can hold 200 gallons and the other can hold 400 gallons. The facility also has an incinerator that can burn up to 20 gallons per hour.

S		T/A	C
C	DUP		1

1 2 - 13 14 15

LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT (specify)	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY	LINE NUMBER	A. PROCESS CODE (from list above)	B. PROCESS DESIGN CAPACITY 1. AMOUNT	B. PROCESS DESIGN CAPACITY 2. UNIT OF MEASURE (enter code)	FOR OFFICIAL USE ONLY
	16 - 18	19 - 27	28	29 - 32		16 - 18	19 - 27	28	29 - 32
X-1	S 0 2	600	G		5				
X-2	T 0 3	20	E		6				
1	S 0 1	100000	G		7				
2		See Note # 1 & #2			8				
3		on Page 4 of 5			9				
4	D 8 0	10	A		10				
	16 - 18	19 - 27	28	29 - 32		16 - 18	19 - 27	28	29 - 32

Continued from the front.

III. PROCESSES *(continued)*

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

NA

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:

1. 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.
2. 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.
3. 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)	D. PROCESSES 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*

CONTINUE ON PAGE 3

Continued from page 2.

NOTE: Photocopy this page before completing if you have more than 26 wastes to list.

Form Approved OMB No. 158-S80004

EPA I.D. NUMBER (enter from page 1)	FOR OFFICIAL USE ONLY
W N C 6 1 7 0 0 2 2 5 8 0 T/A C 1	W DUP T/A C 2 DUP

IV. DESCRIPTION OF HAZARDOUS WASTES (continued)

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)	D. PROCESSES 2. PROCESS DESCRIPTION (if a code is not entered in D(1))
1	F001	10500	P	S01	
2	F002	6800	P	S01	
3	F003	900	P	S01	
4	F005	1800	P	S01	
5	F017	12600	P	S01	
6	U002	100	P	S01	
7	U013	12760		See Note #1 on Page 4 of 5)	
8	U122	200	P	S01	
9	D004	1000	P	S01	
10			P	S01	
11					
12	D001	142000	P	S01	
13	D002	25000	P	S01	
14	D003	100	P	S01	
15					
16					
17				(See Note #2 on Page 4 of 5)	
18					
19					
20					
21					
22					
23					
24					
25					
26					

Continued from the front.

IV. DESCRIPTION OF HAZARDOUS WASTES *(continued)*

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

Note #1 (From Pages 1 & 3 of 5): Asbestos is generated aboard this Facility during repair or demolition of buildings and utilities. Asbestos wastes are disposed of at the Base Sanitary Landfill in accordance with instructions provided by Solid Waste Disposal Regulations of the State of North Carolina and personnel of the North Carolina Department of Human Resources

Note #2 (From Pages 1 & 3 of 5): Sludges from base sewage treatment plants are not included because there are no industrial or manufacturing operations located aboard base. Steps are underway to analyze sludges for contents.

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

S												T/A	C
F	N	C	6	1	7	0	0	2	2	5	8	0	6

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)*. SEE ATTACHMENT B

VII. FACILITY GEOGRAPHIC LOCATION

LATITUDE *(degrees, minutes, & seconds)*	LONGITUDE *(degrees, minutes, & seconds)*
34 40 00	77 20 00

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.)*
E NA	

3. STREET OR P.O. BOX	4. CITY OR TOWN	5. ST.	6. ZIP CODE
F NA	G NA		

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.

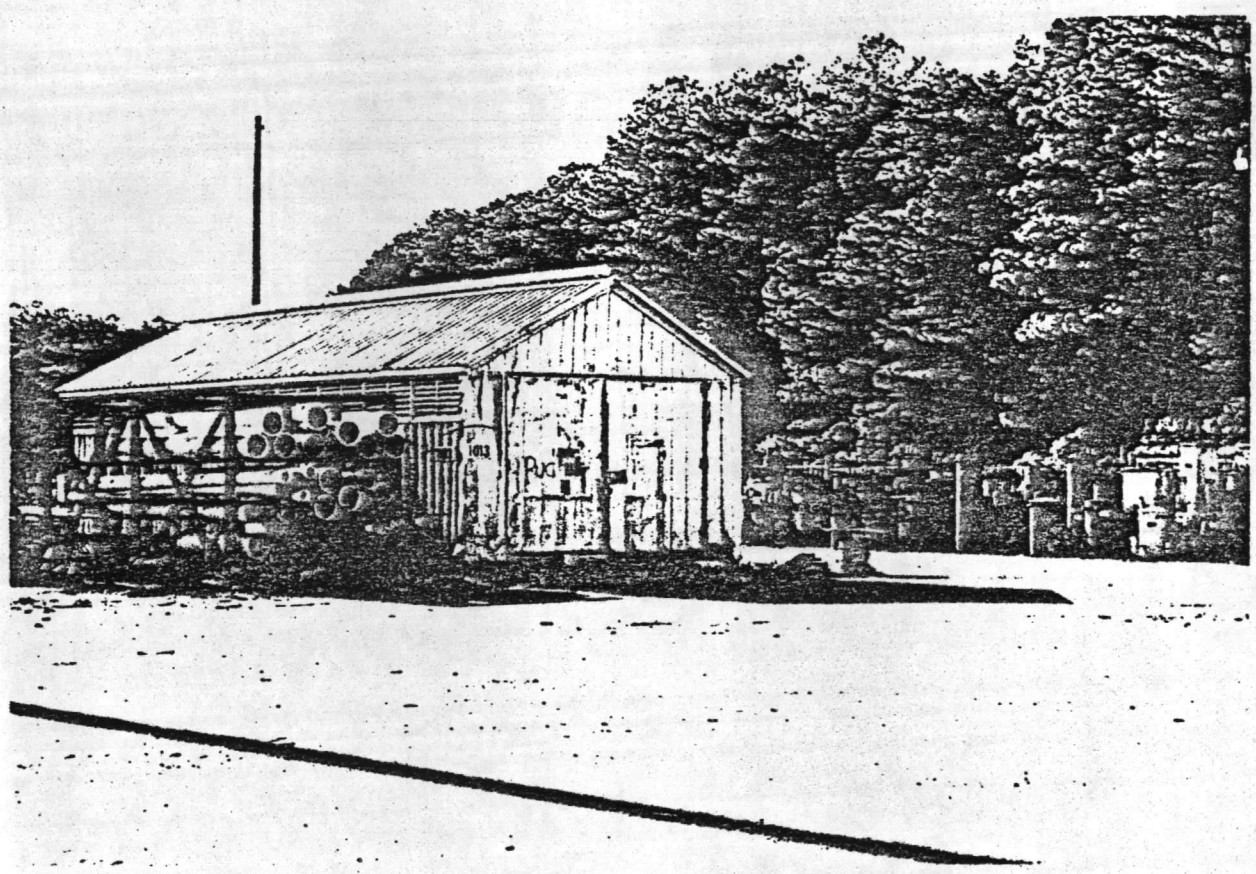
A. NAME *(print or type)*	B. SIGNATURE	C. DATE SIGNED
D. B. BARKER MGEN USMC CG MCAS CHERRY POINT	D B Barker	31 OCT 1980

X. OPERATOR CERTIFICATION

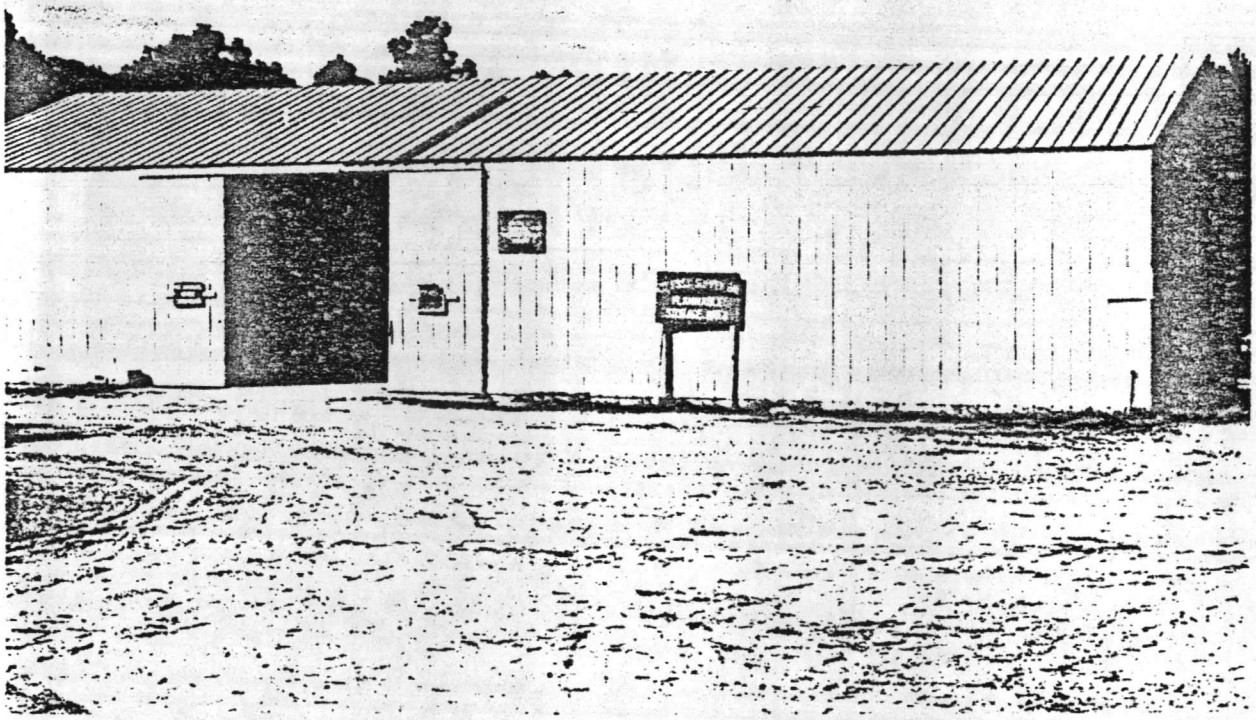
I certify under penalty of law that I have personally examined and am familiar with the information submitted in this and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, 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
NA	NA	

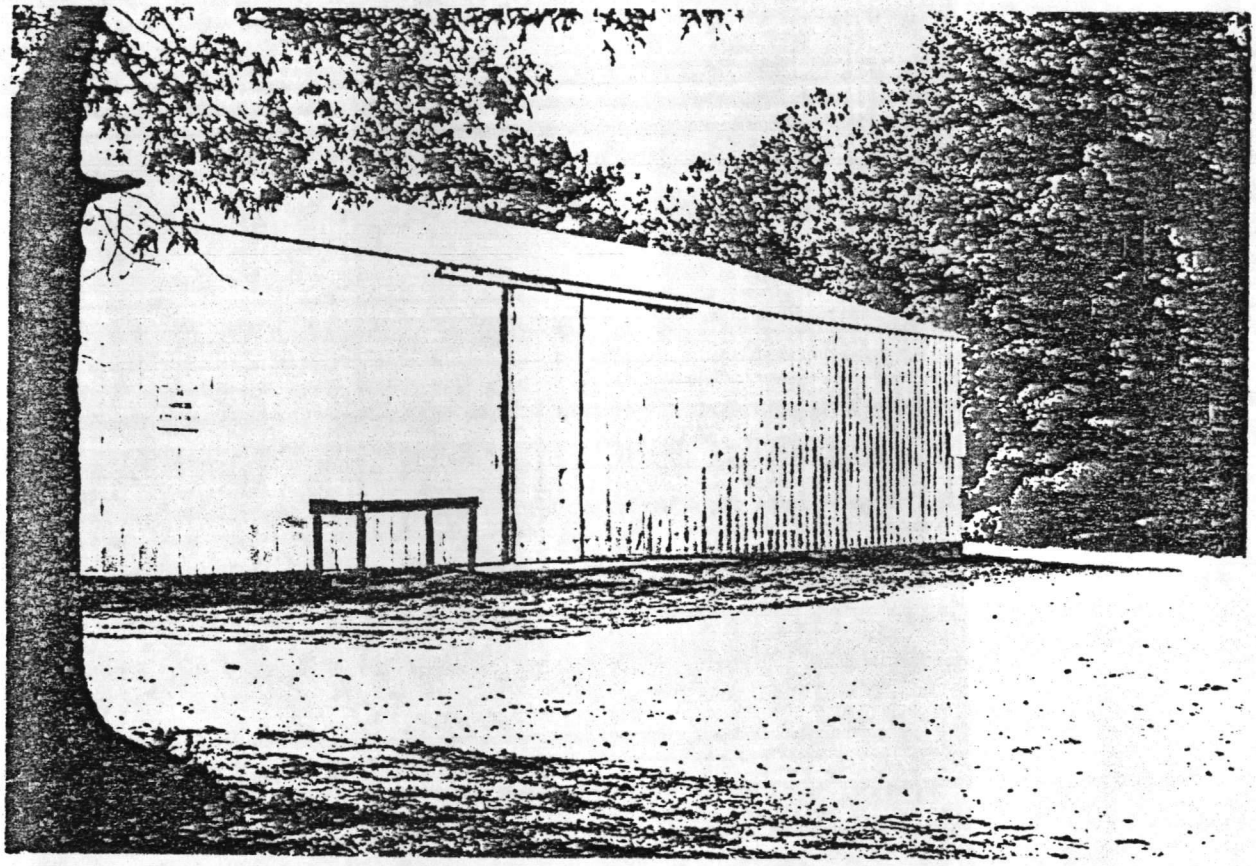
CONTINUE ON PAGE 5



PHOTOGRAPH #1
Lot 140
Taken - 26 October 1980



PHOTOGRAPH #2
Bldg TP-451
Taken - 26 October 1980



PHOTOGRAPH #3
Bldg TP-451
Taken - 26 October 1980

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

DEPARTMENT OF THE NAVY

Memorandum

DATE: 10 May 84

FROM: Env Engr

TO: Dir., NREAD

Via: FAC MGT O Tomay

SUBJ: HAZ. WASTE, Part B Permit — N.C. letter 5/7/84

1. Request the required info be provided to this office for forwarding to State of N.C. by COB 15 May 84.

2. POC is Bob Alexander, ext 3032.

Thanks

Bob A.

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

ROUTING SLIP

09 MAY 1984

FAC ROUTING			
	ACTION	INFO	INT
FACO			
4A		✓	~~DVC~~
4B			
4C			
4D			
4E			
4FC	✓		A 5/10
4LC			
SEC			
CLK			

COMMENTS:

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

May 7, 1984

Commanding General
Marine Corps Base
Office of AC/S Facilities
Attention: Bob Alexander
Camp Lejeune, NC 28542
NC6170022580

Re: Revising the Part A, Second Notice of Deficiency

Dear Mr. Alexander:

I have reviewed Camp Lejeune's Part B addendum which brought to my attention a list of hazardous wastes that are occasionally generated on the base but are not listed on the Part A application. I talked with Elizabeth Betz and Danny Sharp about these wastes, and it appears that they are likely to be stored at the hazardous waste facility for more than 90 days. Therefore, they need to be included on the Part A, Form 3, Section IV. Also, the estimated quantities need to be included.

When Camp Lejeune receives its final status permit, the base will be allowed to store only the waste listed in the permit for more than 90 days. Any additions to the waste stream following the issuance of the permit are considered major modifications and as such require a public notice and public hearing and could possibly require modifications to any or all parts of the application. Thus, it is advisable to include all wastes in the application before issuance of the initial permit.

The attached list specifies the corrections that must be made in order to complete the technical review. Please submit four (4) copies of an addendum that addresses all the identified deficiencies in their entirety by May 22, 1984. Failure to submit these addendums on or before the compliance date can result in enforcement action.

Sincerely,

Jimmy Carter

Jimmy Carter, Environmental Chemist
Solid & Hazardous Waste Management Branch
Environmental Health Section

JC:ns
Enclosure
cc: Doug Holyfield

SECOND NOTICE OF DEFICIENCY

MARINE CORPS BASE
CAMP LEJEUNE, N.C.
NC6170022580

PART A - APPLICATION

A-17 Description of Hazardous Waste

Camp Lejeune's first Part B addendum suggested that from time to time hazardous wastes are kept on the storage pad in addition to those wastes listed in the Part A. These additional wastes need to be included on Form 3, page 3, Section IV of the Part A. The estimated annual quantity of these wastes should also be noted.

The Part A presently lists a floor sweep compound contaminated with PCB which is not regulated as a hazardous waste under RCRA. Therefore it does not need to be listed. Also DDT is listed as U0G1. It should be U061.

Based on the information supplied in your first Addendum response, the following changes need to be made:

(1) Lithium batteries should be classified as D003 (reactive) instead of D001 (ignitable).
(2) Paint thinner should be classified as F002. The F001 classification is for spent halogenated solvents used in degreasing.
(3) Lacquer paint should be classified D001 instead of F003.

Please submit a revised Part A that includes these changes.

PART C - WASTE CHARACTERISTICS

C-1 Chemical and Physical Analysis
40 CFR 270.14 as referenced in 10 NCAC 10F .0034(b)(4)
40 CFR 264.13(a) as referenced in 10 NCAC 10F .0032(c)

The First Notice of Deficiency dated February 24, 1984, asked for information about the specific wastes handled at Camp Lejeune, which you provided. That same information needs to be provided for all new wastes added to the Part A. Specifically, the information should include the additions to the list of stored hazardous waste, a general description of each waste (i.e. the chemical constituents of each waste) and the hazardous characteristics of each waste (i.e. the basis for hazard designation). This information should be added to Table 1 found in Camp Lejeune's first addendum to the Waste Analysis Plan.

C-2a Parameters and Rationale
40 CFR 264.13(b)(1) as referenced in 10 NCAC 10F .0032(c)

For the additional wastes to be listed on the Part A, provide an itemized list of parameters to be chosen for analysis of each individual waste and the rational for choosing those parameters.

In Camp Lejeune's list of Test methods (Table 5 of the first addendum to the Waste Analysis Plan) some wastes are already mentioned that do not appear on the Part A. For these wastes, this satisfies the requirement of 40 CFR 264.13(b)(2) as referenced in 10 NCAC 10F .0032(c) which states that the facility must have a waste analysis plan that specifies test methods used. Be sure that all waste listed on the Part A are accounted for in the waste analysis plan.

6280/2
FAC
6 AUG 1984

From: Commanding General, Marine Corps Base, Camp Lejeune

Subj: NOTICE OF PUBLIC REVIEW OF DRAFT HAZARDOUS WASTE MANAGEMENT PERMIT

Encl: (1) State of N.C. Solid & Hazardous Waste Mgmt Branch ltr, dtd 16 Jul 84

1. The enclosure is provided for your review and comment. Negative replies by telephone are acceptable. Mr. Alexander will represent the Marine Corps Base at the public hearing. A representative of the Defense Property Disposal Office is also requested to attend. If the other addressees also desire to attend, please inform this office in advance.

2. POC for this matter is Mr. Bob Alexander, ext. 3034/3035.

M. G. LILLEY

DISTRIBUTION:
DPDO, Lejeune
AC/S, LOG
SJA
→ NRRA

Copy to: (w/encl)
CMC (LFL)
LANTNAVFACENGCOM (Code 114)

Ronald H. Levine, M.D., M.P.H.
STATE HEALTH DIRECTOR

DIVISION OF HEALTH SERVICES
P.O. Box 2091
Raleigh, N.C. 27602-2091

July 16, 1984

Commanding General
Marine Corps Base
Office of AC/S Facilities
Attention: Bob Alexander
Camp Lejeune, N. C. 28542

NC6170022580

RE: Part B Application - Hazardous Waste Management Permit, Issuance of Draft Permit

Dear Mr. Alexander:

Attached is a copy of the draft final status permit prepared for your facility. A public hearing on this proposed permit issuance has been scheduled for August 31, 1984 at 11:00 a.m. in the first floor auditorium of the Old Hospital Building, 612 College Street, Jacksonville, N. C. I urge that you or a representative attend.

Please submit in writing any comments you may have on the draft final status permit within two weeks following the public hearing so that they may be considered for incorporation in the final documents.

Please contact me if you have any questions.

Sincerely,

O. W. Strickland, Head
Solid & Hazardous Waste Management Bracn
Environmental Health Section

OWS:jj
cc: Doug Holyfield

copy provided by NC DHS to DPDO

FACT SHEET

Marine Crops Base, Camp Lejeune
Camp Lejeune, North Carolina 28542

Facility Location: Highway 24
Camp Lejeune, NC 28542

A draft permit has been prepared for the Marine Corps Base at Camp Lejeune allowing the temporary storage of hazardous waste that is produced on-site from a variety of base operations. The Defense Property Disposal Office (DPDO) which is located on base, receives all hazardous waste and offers it for sale if it can be recycled or has any industrial value.

Camp Lejeune has two enclosed buildings with concrete floors that are used to store their waste. One building, TP-451, is used for receiving hazardous waste to be sold. It has two curbed areas to segregate corrosive waste from other wastes. The maximum storage capacity of this building is 224 55-gallon containers. The second building, TC-863, receives waste from building TP-451 that is designated for ultimate disposal at a regulated TSD facility. Building TC-863 has six individual areas that are separated by trenches. The maximum storage capacity of this building is 504 55-gallon containers. Building TP-451 is connected to building TC-863 by a concrete pad. All drums in both buildings are stored on pallets and cannot be stacked more than two high.

The North Carolina Hazardous Waste Management Rules require that the public be given a 45-day period to comment on the draft permit. This 45-day period will commence on July 16, 1984. The draft permit is available for review during office hours (8:00-5:00) Monday-Friday. All data submitted by the applicant is available as part of the administrative record. Contact O.W. Strickland, N.C. Solid & Hazardous Waste Management Branch, P.O. Box 2091, Raleigh, NC 27602, telephone (919) 733-2178 for further information. Persons wishing to comment upon either this permit or the proposed permit conditions or to object to permit issuance should submit such comments in writing prior to September 6, 1984. Comments should be sent to O.W. Strickland, N.C. Solid & Hazardous Waste Management Branch at the above address. All comments received within the 45-day period will be considered in the formulation of final determinations regarding the permit.

A public hearing (10 NCAC 10F .0035) concerning the issuance of the proposed permit will be held August 31, 1984 at 11:00 a.m. in the 1st floor auditorium, Old Hospital Building, 612 College St., Jacksonville, N.C. Attendees may submit a written statement for the official record in addition to their oral statement or they may submit written comments in lieu of making an oral presentation.

I.D. NUMBER NC6170022580
PERMIT NO. NC6170022580

H A Z A R D O U S W A S T E M A N A G E M E N T P E R M I T

Permittee Marine Corps Base Camp Lejeune
Camp Lejeune, N.C. 28542

Pursuant to the 10 NCAC 10F North Carolina Hazardous Waste Management Rules, a permit is issued to the Camp Lejeune Marine Corps Base, hazardous waste storage facility located in Camp Lejeune, N.C., Onslow County on Highway 24, at latitude 34°40'00" and longitude 77°20'00".

The Permittee must comply with all terms and conditions of the permit. This permit consists of the conditions discussed in Part I,II, and III and the applicable regulations contained in 40 CFR Parts 260 through 264 and 270 and 124 [as adopted in 10 NCAC (North Carolina Administrative Code) 10F .0029-.0036] as specified in the permit. Applicable regulations are those which are in effect on the date of issuance of this permit [40 CFR 270.32(c) as adopted in 10 NCAC 10F .0034. This permit is based on the assumption that the information submitted in the permit application and as modified by subsequent amendments (hereafter referred to as the application) is accurate and that the facility will be operated as specified in the application. Any inaccuracies found in this information could lead to the termination or modification of this permit and potential enforcement action [40 CFR 270.41, 270.42, and 270.43 as adopted in 10 NCAC 10F .0034. The Permittee shall inform the North Carolina Department of Human Resources of any deviation from or changes in the information in the application which would affect the Permittee's ability to comply with the applicable regulations or permit conditions.

This permit is effective as of _____, and shall remain in effect until _____, unless revoked and reissued, or terminated [40 CFR 270.50 as adopted in 10 NCAC 10F .0034 or continued in accordance with NCAC.

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O. W. Strickland, Head
Solid & Hazardous Waste Management Branch
Document No. 1071A

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PART I - STANDARD CONDITIONS

A. EFFECT OF PERMIT

The permittee is allowed to store hazardous waste in accordance with the conditions of this permit. Any storage of hazardous waste not authorized in this permit is prohibited. Compliance with this permit constitutes compliance, for purposes of enforcement, with the N.C. Hazardous Waste Management Rules (10 NCAC 10F). Issuance of this permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of State or local law or regulations. Compliance with the terms of this permit does not constitute a defense to any action brought under any law governing protection of public health or the environment for any imminent and substantial endangerment to human health or the environment.

B. PERMIT ACTIONS

This permit may be modified, revoked and reissued, or terminated for cause as specified in 40 CFR 270.41, 270.42, and 270.43 as adopted in 10 NCAC 10F .0034. The filing of a request for a permit modification, revocation and reissuance, or termination or the notification of planned changes or anticipated noncompliance on the part of the permittee does not stay the applicability or enforceability of any permit condition.

C. SEVERABILITY

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

D. DUTIES AND REQUIREMENTS

1. Duty to Comply. The permittee shall comply with all conditions of this permit, except to the extent and for the duration such noncompliance is authorized by an emergency permit issued under 40 CFR 270.61 as adopted in 10 NCAC 10F .0034. Any permit noncompliance constitutes a violation of N. C. Hazardous Waste Management Rules and is grounds for enforcement action, permit termination, revocation and reissuance, modification, or for denial of a permit renewal application.

2. Duty to Reapply. If the permittee wishes to continue an activity regulated by this permit after the expiration date of this permit, the permittee must submit a complete application for a new permit at least 180 days before this permit expires.

3. Permit Expiration. This permit and all conditions therein will remain in effect beyond the permit's expiration date and until a decision is made concerning issuance of a new permit if the permittee has submitted a timely, complete application (see 40 CFR 270.13-270.29 and 270.10 as adopted in 10 NCAC 10F .0034) and

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through no fault of the permittee, the Secretary of the Department of Human Resources has not issued a new permit as set forth in 40 CFR 124.15 as adopted in 10 NCAC 10F .0035.

4. Need to Halt or Reduce Activity Not a Defense. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit.

5. Duty to Mitigate. The permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this permit.

6. Proper Operation and Maintance. The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) used by the permittee to achieve compliance with the conditions of this permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facility or similar systems only when necessary to achieve compliance with the conditions of the permit.

7. Duty to Provide Information. The permittee shall furnish to the Secretary of the Department of Human Resources, within a reasonable time, any relevant information which the Secretary of the Department of Human Resources may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The permittee shall also furnish to the Secretary of the Department of Human Resources, upon request, copies of records required to be kept by this permit.

8. Inspection and Entry. The permittee shall allow the Secretary of the Department of Human Resources, or an authorized representative, upon the presentation of credentials and other documents as may be required by law to:

   (a) Enter at reasonable times upon the permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this permit;

   (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit;

   (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this permit; and

   (d) Sample or monitor, at reasonable times, for the purposes of assuring permit compliance or as otherwise authorized by the N. C. Hazardous Waste Management Rules, any substances or parameters at any location.

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9. Monitoring and Records.

(a) Samples and measurements taken for the purpose of monitoring shall be representative of the monitored activity. The method used to obtain a representative sample of the waste to be analyzed must be the appropriate method from Appendix I of 40 CFR Part 261 as adopted in 10 NCAC 10F .0029. Laboratory methods must be those specified in table 5, enclosure 11 of the attachment.

(b) The permittee shall retain records of all monitoring information, including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports and records required by this permit, and records of all data used to complete the application for this permit for a period of at least 3 years from the date of the sample, measurement, report or record. These periods may be extended by request of the Secretary of the Department of Human Resources at any time and are automatically extended during the course of any unresolved enforcement action regarding this facility.

(c) Records of monitoring information shall include:

(i) The date, exact place, and time of sampling or measurements;

(ii) The individual(s) who performed the sampling or measurements;

(iii) The date(s) analyses were performed;

(iv) The individual(s) who performed the analyses;

(v) The analytical techniques or methods used; and

(vi) The results of such analyses.

10. Reporting Planned Changes. The permittee shall give notice to the Secretary of the Department of Human Resources as soon as possible of any planned physical alterations or additions to the permitted facility.

11. Anticipated Noncompliance. The permittee shall give advance notice to the Secretary of the Department of Human Resources of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.

12. Transfer of Permits. This permit may be transferred to a new owner or operator only if it is modified or revoked and reissued pursuant to 40 CFR 270.41 and 270.42 as adopted in 10 NCAC 10F .0034. Before transferring ownership or operation of the facility during its operating life, the permittee shall notify the new owner or operator in writing of the requirements of 40 CFR 264 as adopted in 10 NCAC 10F .0032 and 40 CFR 270 as adopted in 10 NCAC 10F .0034.

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13. Compliance Schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this permit shall be submitted no later than 14 days following each schedule date.

14. Twenty-four Hour Reporting. The permittee shall report to the Secretary of the Department of Human Resources any noncompliance which may endanger health or the environment. Any information shall be provided verbally within 24 hours from the time the permittee becomes aware of the circumstances. The following shall be included as information which must be reported verbally within 24 hours:

(a) Information concerning release of any hazardous waste that may cause an endangerment to public drinking water supplies.

(b) Any information of a release or discharge of hazardous waste, or of a fire or explosion from the facility, which could threaten the environment or human health outside the facility. The description of the occurrence and its cause shall include:

(i) Name, address, and telephone number of the owner or operator.
(ii) Name, address, and telephone number of the facility.
(iii) Date, time, and type of incident.
(iv) Name and quantity of material(s) involved.
(v) The extent of injuries, if any.
(vi) An assessment of actual or potential hazard to the environment and human health outside the facility, where this is applicable.
(vii) Estimated quantity and disposition of recovered material that resulted from the incident.

A written submission shall also be provided within five days of the time the permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause; the periods of noncompliance (including exact dates and times), and if the noncompliance has not been corrected, the anticipated time it is expected to continue; and steps taken or planned to reduce, eliminate, and prevent reoccurrence of the noncompliance. The permittee need not comply with the five-day written notice requirement if the Secretary of the Department of Human Resources waives that requirement and the permittee submits a written report within fifteen days of the time the permittee becomes aware of the circumstances.

15. Other Noncompliance. The permittee shall report all other instances of noncompliance not otherwise required to be reported at the time monitoring reports are submitted. The reports shall contain the information listed in Condition D.14.

16. Other Information. Where the permittee becomes aware that he failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Secretary of the Department of Human Resources, the permittee shall promptly submit such facts or information.

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E. SIGNATORY REQUIREMENTS

All reports or other information requested by the Secretary of the Department of Human Resources shall be signed and certified according to 40 CFR 270.11 as adopted in 10 NCAC 10F .0034.

F. DOCUMENTS TO BE MAINTAINED AT FACILITY SITE

The permittee shall maintain at the facility, until closure is completed and certified by an independent registered professional engineer, the following documents and amendments, revisions and modifications to these documents:

(1) Waste-analysis plan submitted in accordance with 40 CFR 264.13 as adopted in 10 NCAC 10F .0032 and enclosure 11 of the attachment.

(2) Personnel training documents and records submitted in accordance with 40 CFR 264.16(d) as adopted in 10 NCAC 10F .0032 and page 39, part H of the attachment.

(3) Contingency plan submitted in accordance with 40 CFR 264.53(a) as adopted in 10 NCAC 10F .0032 and pages 33-35b, part G of the attachment.

(4) Closure plan submitted in accordance with 40 CFR 264.112(a) as adopted in 10 NCAC 10F .0032 and pages 40-43, part I of the attachment.

(5) Operating record required by 40 CFR 264.73 as adopted in 10 NCAC 10F. 0032.

(6) Inspection schedules developed in accordance with 40 CFR 264.15(b) as adopted in 10 NCAC 10F .0032 and pages 29-30, part F of the attachment.

All amendments, revisions and modifications to any plan required by this permit shall be submitted to the Secretary of the Department of Human Resources for approval and permit modification.

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PART II - GENERAL FACILITY CONDITIONS

A. Authorized Waste. The permittee is authorized to store the following hazardous waste(s) or categories of hazardous waste in accordance with the conditions specified in this permit:

Waste identified as hazardous by characteristic only

D001 Liquid wastes generated on-site that exhibit the characteristic of ignitability as defined in 40 CFR 261.21, adopted in 10 NCAC 10F .0029.

D002 Aqueous wastes which exhibit the characterisitic of corrosivity as defined in 40 CFR 261.22, adopted in 10 NCAC 10F .0029.

D003 Wastes that exhibit the characteristic of reactivity as defined in 40 CFR 261.23, adopted in 10 NCAC 10F .0029

D007 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Chromium as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D008 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Lead as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D009 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Mercury as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

D011 Liquid or solid wastes exhibiting the characteristic of EP Toxicity for Silver as defined in 40 CFR 261.24, adopted in 10 NCAC 10F .0029.

Hazardous Waste from Nonspecific Sources

F001 The following spent halogenated solvents used in degreasing: Tetrachloroethylene, Trichloroethylene, Methylene Chloride, 1,1,1-Trichloroethane, Chlorinated fluorocarbons.

F002 The following spent halogenated solvents: Tetrachloroethylene, Trichloroethylene, Methylene Chloride, 1,1,1-Trichloroethane, Chlorinated fluorocarbons.

F003 The following spent non-halogenated solvents: Acetone, Xylene

F005 The following spent non-halogenated solvents: Toluene, Methyl Ethyl Ketone

Commercial Chemical Products to be Discarded

U002 Acetone
U061 DDT
U076 1,1 Dichloroethane
U080 Dichloromethane
U122 Formaldehyde
U129 Lindane
U[illegible] Xylene

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Commercial Chemical Products to be Discarded (Continued)

U159 Methyl Ethyl Ketone
U188 Phenol
U210 Tetrachloroethene
U220 Toluene
U226 1,1,1-Trichloroethane
U228 Trichloroethene
U239 Xylene

B. Design and Operation of Facility. The permittee shall maintain and operate the facility to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste constituents to air, soil or surface water which could threaten human health or the environment.

C. Required Notice.

(1) The permittee shall notify the Secretary of the Department of Human Resources in writing at least four weeks in advance of the date the permittee expects to receive hazardous waste from a source outside of the United States. Notice of subsequent shipments during the same calendar year of the same waste from the same foreign source is not required.

(2) When the permittee receives hazardous waste from an off-site source (except where the permittee is also the generator), he must inform the generator in writing that he has the appropriate permit(s) for, and will accept, the waste the generator is shipping. The permittee shall keep a copy of this written notice as part of the operating record.

D. General Waste Analysis. The permittee shall follow the procedures described in the waste analysis plan as indicated in enclosure 11 of the attachment. Results of these analyses shall be maintained as per 40 CFR 264.13 as adopted in 10 NCAC 10F .0032. and as identified in condition I.D.9.

The permittee shall verify its waste analysis as part of the quality assurance program. The quality assurance program will be in accordance with current EPA practices or equivalent methods approved by the Secretary of the Department of Human Resources; and at a minimum ensure that the permittee maintains proper functional instruments, uses approved sampling and analytical methods, assures the validity of sampling and analytical procedures, and performs correct calculations.

Special Condition

Generating organization certification may be used in lieu of laboratory analysis for routine waste handling only if adequate information is provided to positively identify the waste and insure that it may be properly stored, transported and disposed of. The certification shall be the Disposal Turn-in Document (DTID). Unless a waste is handled in accordance with enclosure 1 (Base Order 6240.5) and enclosure 2 (Consolidated Hazardous Material/Hazardous waste Disposal Guidance) of the attachment, a waste analysis must be performed in accordance with

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E. Security. The permittee shall comply with the security provisions of 40 CFR 264.14(b) and (c) as adopted in 10 NCAC 10F .0032 and page 29, part F of the attachment.

F. General Inspection Requirements. The permittee shall follow the inspection schedule as described on pages 29-31, part F of the attachment and shall comply with 40 CFR 264.15 (c) and (d) as adopted in 10 NCAC 10F .0032.

G. Personnel Training. The permittee shall conduct personnel training in accordance with 40 CFR 264. 16 as adopted in 10 NCAC 10F .0032 and as described on pages 36-39, part H of the attachment.

H. General Requirements for Ignitable, Reactive, or Incompatible Waste. The permittee shall comply with the requirements of 40 CFR 264.17(a) as adopted in 10 NCAC 10F .0032 and the documentation requirements of 264.17(c) as adopted in 10 NCAC 10F .0032.

I. Required Equipment. The permittee shall equip the facility and make readily available to operating personnel the necessary equipment to carry out the contingency plan, as described on page 32, part F of the attachment. At all times, the equipment requirement described in 40 CFR 264.52, as adopted in 10 NCAC 10F .0032 shall be met.

J. Testing and Maintenance of Equipment. The permittee shall test and maintain the equipment specified in the previous permit condition and as identified on page 30, part F of the attachment, as necessary to ensure its proper operation in time of emergency.

K. Access to Communications or Alarm System. The permittee shall maintain access to the communications or alarm system as required by 40 CFR 264.34 as adopted in 10 NCAC 10F .0032.

L. Contingency Plan.

1. Implementation of Plan. The permittee shall immediately carry out the provisions of the contingency plan whenever there is a fire, explosion, or release of hazardous waste or constituents which threatens or could threaten human health or the environment as required by 40 CFR 264.56 as adopted in 10 NCAC 10F .0032.

2. Copies of Plan. The permittee shall comply with the requirements of 40 CFR 264.53 as adopted in 10 NCAC 10F .0032.

3. Special Condition. The Base Fire Chief will, at least annually, review the contingency plan and the types of wastes located in the hazardous waste storage facility with representatives of the Naval Hospital and Base Provost Marshall

4. Amendments to Plan. The permittee shall review and immediately amend, if necessary, the contingency plan, in accordance with 40 CFR 264.54 as adopted in 10 NCAC 10F .0032.

5. Emergency Coordinator. The permittee shall comply with the requirements of 40 CFR 264.55 as adopted in 10 NCAC 10F .0032, concerning the emergency coordinator.

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M. Manifest System. The permittee shall comply with the manifest requirements of 40 CFR 264.71, 264.72, and 264.76 as adopted in 10 NCAC 10F .0032.

N. Recordkeeping and Reporting.

1. Operating Record. The permittee shall maintain a written operating record at the facility in accordance with 40 CFR 264.73(a), (b)(1), (2), (3), (4), (5), (6), (7) (off-site only), and (8) as adopted in 10 NCAC 10F .0032.

2. Annual Report. The permittee shall comply with the annual report requirements of 40 CFR 264.75 as adopted in 10 NCAC 10F .0032.

O. Closure

1. Performance Standard. The permittee shall close the facility in accordance with the closure plan as described on pages 40-43, part I of the attachment, and as required in 40 CFR 264.111 as adopted in 10 NCAC 10F .0032.

2. Amendment to Closure Plan. The permittee shall amend the closure plan in accordance with 40 CFR 264.112(b) as adopted in 10 NCAC 10F .0032 whenever necessary.

3. Notification of Closure. The permittee shall notify the Secretary of the Department of Human Resources at least 180 days prior to the date he expects to begin closure.

4. Time Allowed For Closure. Within 90 days (unless a waiver is granted) after receiving the final volume of hazardous waste, the permittee shall treat or remove from site all hazardous waste in accordance with the schedule specified in the closure plan . After receiving the final volume of hazardous waste, the permittee shall complete closure activities in accordance with the schedule specified in the closure plan on page 42, part I of the attachment.

5. Disposal or Decontamination of Equipment. The permittee shall comply with the requirements of 40 CFR 264.114 as adopted in 10 NCAC 10F .0032.

6. Certification of Closure. The permittee shall certify that the facility has been closed in accordance with the specifications in the closure plan as required by 40 CFR 264.115 as adopted in 10 NCAC 10F .0032.

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PART III - STORAGE IN CONTAINERS

The container storage facility consists of two enclosed buildings, each approximately 3200 square feet in area. Both have concrete floors. One building, TP-451, is for receiving the waste to be sold and has two curbed areas to segregate corrosive wastes from other wastes. The maximum storage capacity of this building is 224 55-gallon containers. The second building, TC-863, receives waste from builing TP-451 that is designated for ultimate disposal at a TSD facility. Building TC-863 has six individual areas that are segregated by trenches. The maximum storage capacity of this building is 504 55-gallon containers. All drums in both buildings are stored on pallets and cannot be stacked more than two high.

A. Condition of Containers. If a container holding hazardous waste is not in good condition (e.g., severe rusting, apparent structural defects) or if it begins to leak, the permittee shall transfer the hazardous waste from such container to a container that is in good condition or manage the waste in some other way that complies with the requirements of the conditions of this permit.

B. Compatibility of Waste with Containers. The permittee shall comply with 40 CFR 264.172 as adopted in 10 NCAC 10F .0032 and ensure that the ability of the container to contain the waste is not impaired.

C. Management of Containers. The permittee shall manage containers in accordance with 40 CFR 264.173 as adopted in 10 NCAC 10F .0032 and as described on page 25, part D of the attachment.

D. Inspections. The permittee shall inspect container storage areas in accordance with 40 CFR 264.174 as adopted in 10 NCAC 10F .0032 and as described on pages 29 and 30, part F of the attachment.

E. Aisle Space. At a minimum, the permittee shall maintain aisle space as required by 40 CFR 264.35 as adopted in 10 NCAC 10F .0032. Aisle space shall be maintained at no less tha 4 feet between palleted rows of containers. A minimum distance of no less than one foot shall be maintained between outside perimetric palleted rows and the walls of the storage facilities. A clear and unobstructed access area shall be maintained at no less than a distance of 5 feet out from and along the front of all curbed and/or trenched containment areas at all times.

F. Containment. The permittee shall comply with the requirements of a containment system found in 40 CFR 264.175(b)(1)-(5) as adopted in 10 NCAC 10F .0032, including having a base which is free of cracks and gaps and able to contain leaks, spills and accumulated rainfall until such time that the material is detected and removed, be designed for efficient drainage and having sufficient capacity to contain 10% of the volume of containers. The permittee shall maintain the containment system in accordance with pages 25-27, part D of the attachment.

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Special Requirements for Ignitable or Reactive Waste. The permittee shall not locate containers holding ignitable or reactive waste within 15 meters (50 feet) of the facility's property line.

Special Requirements for Incompatible Waste.

(1) The permittee shall not place incompatible wastes in the same container.

(2) The permittee shall not place hazardous waste in an unwashed container that previously held an incompatible waste or material.

(3) The permittee shall not store a container of hazardous waste that is incompatible with any waste or material stored nearby in other containers, piles, open tanks or surface impoundments unless the container is separated from the other materials by a dike, berm, wall, or other device.

I. Closure. The permittee shall follow the closure plan as described in enclosure 3 of the attachment, and shall comply with 40 CFR 264.178 as adopted in 10 NCAC 10F .0032.