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PERMANENT

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For

BASE MAINTENANCE DIVISION
Marine Corps Base
Camp Lejeune, North Carolina 28542

DOS

5/21/82

From: Assistant Base Maintenance Officer

To: Julia

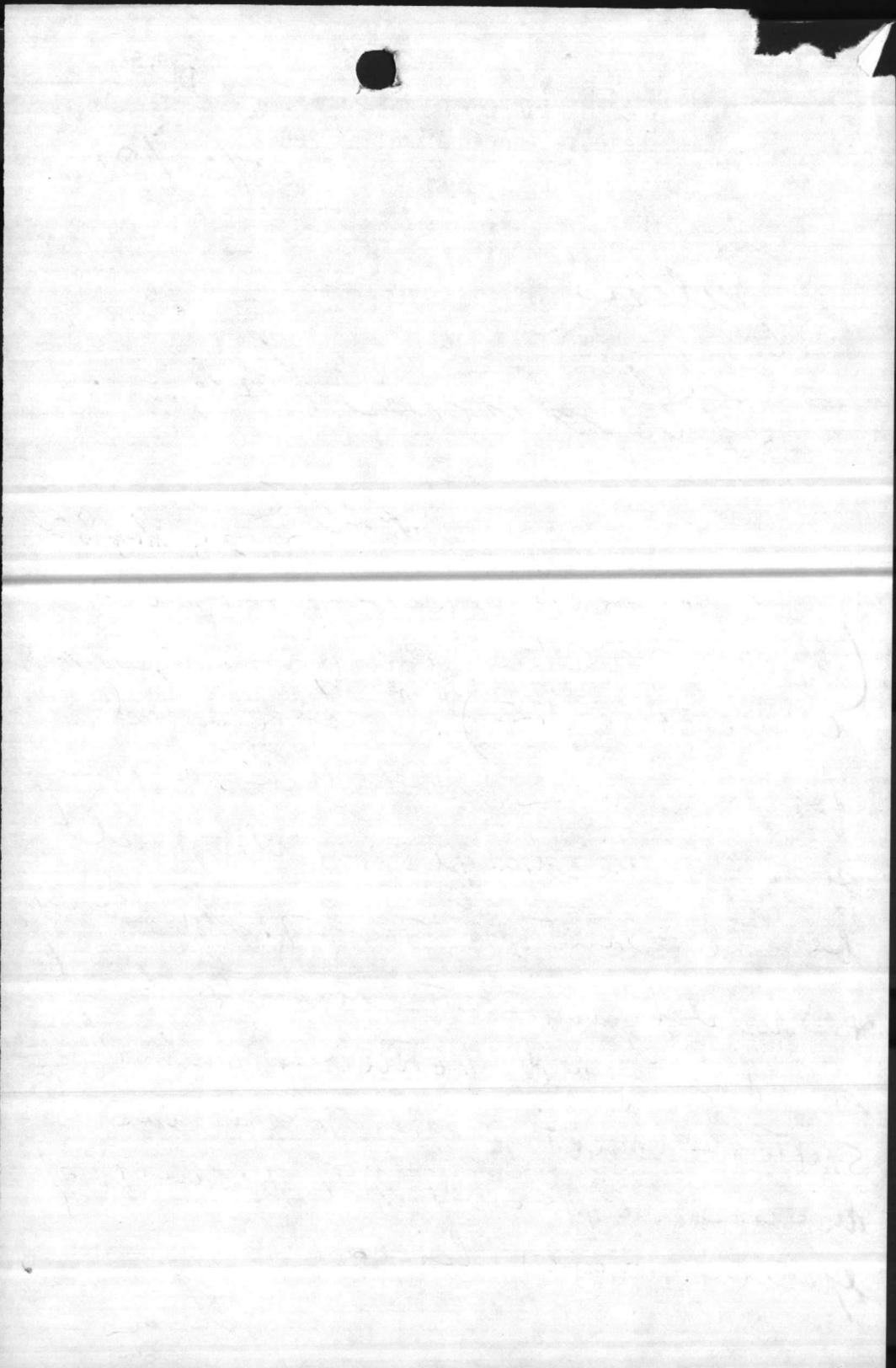
Subj:

Let discuss this.

BWR 25 May 82

Discussed on 25 May 82
(Mr Elston, Dillon Rouse, Avant, Shepard
& Weatherston) & recommended
for long term solution a fac
so only discharge possible would
be to Sanitary sewer. Mr Rouse
& Shepard were instructed to find
new drying bed location. Animal
shelter - insect vector area was
discussed as possible site because of
existing sewer line.

Julia



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

67-03
Permit Number

Inspection Form for Sanitary Landfills

Camp Lejeune
Name of Site

Onslow
County

SNEADS Ferry Rd.
Location

Raymond L. Church
Signature of Person(s) Receiving Report

Dry Windy
Weather Conditions

SIR: An inspection of your land disposal site has been made this date and you are notified of the violations, if any, marked below with a cross (X).

1. PLAN REQUIREMENTS

- Site Plan Approved
 Operational Plans Approved
 Plans Being Followed

2. SPREADING & COMPACTING

- Waste Restricted to the Smallest Area Practicable
 Waste Properly Compacted
 Proper Slope on Working Face

3. COVER REQUIREMENTS

- Six Inches Daily Cover
 Two Foot Final Cover
 One Foot Intermediate Cover

4. DRAINAGE CONTROLLED

- On-Site Erosion
 Off-Site Siltation
 Erosion Control Devices
 Seeding of Completed Areas
 Temporary Seeding

5. WATER PROTECTION

- Evidence of Leaching
 Waste Placed in Water
 Surface Water Impounded
 Monitoring Wells Installed

6. ACCESS

- Attendant on Duty
 Access Controls (Gate, Chains)
 All Weather Road
 Dust Controlled

7. BURNING

- Evidence of Burning
 Fire Control Equipment Available

8. SPECIAL WASTES

- Spoiled Food Properly Handled
 Animal Carcasses, Abattoir Waste, Hatchery Waste, Etc., Properly Handled

9. HAZARDOUS WASTES ACCEPTED WITHOUT WRITTEN PERMISSION

Type _____

10. VECTOR CONTROL

- Effective Rat Control
 Effective Fly Control
 Other Vector(s) Controlled

11. MISCELLANEOUS

- Blowing Material Controlled
 Directional Signs
 Operational Signs (Procedures, Hours, Etc.)

REMARKS: GREASE TRAP WASTE - LIQUID - NOT TO BE DISPOSED OF IN LANDFILL AREA

DATE 5-19-82

NAME Raymond L. Church
Solid & Hazardous Waste Management Branch
Division of Health Services

DEPARTMENT OF HEALTH SERVICES
DIVISION OF HEALTH SERVICES
Inspection Form for Sanitary Landfills

Camp Lejeune
Name of Site

Swains Ferry Rd
Location

Dr. W. H. ...
Health Officer

04-11-53
Date

State of North Carolina
County of Wayne

1. An inspection of your land disposal site has been made on this date and you are advised that the site meets the minimum requirements for sanitary landfills.

2. If any violations were observed, they are listed below:

- 1. Site Plans Approved
- 2. Site Plan Not Approved
- 3. Waste Disposed in the
- 4. Waste Disposed in the
- 5. Waste Disposed in the
- 6. Waste Disposed in the
- 7. Waste Disposed in the
- 8. Waste Disposed in the
- 9. Waste Disposed in the
- 10. Waste Disposed in the
- 11. Waste Disposed in the
- 12. Waste Disposed in the
- 13. Waste Disposed in the
- 14. Waste Disposed in the
- 15. Waste Disposed in the
- 16. Waste Disposed in the
- 17. Waste Disposed in the
- 18. Waste Disposed in the
- 19. Waste Disposed in the
- 20. Waste Disposed in the

11. No violations observed

12. No violations observed

13. No violations observed

14. No violations observed

15. No violations observed

16. No violations observed

17. No violations observed

18. No violations observed

19. No violations observed

20. No violations observed

BRIMBLES (GREAT TRAMP WASTE - 4000 - NOT TO BE DISPOSED OF
IN LANDFILL M-10)

DATE 5/17/53 NAME *Richard J. Clark*

DHS FORM 100 (1950) Solid & Hazardous Waste Management Branch

DEPARTMENT OF THE NAVY

Memorandum

MAIN/DDS/th
6280

DATE: 18 May 1981

FROM: Director, Natural Resources and Environmental Affairs Division

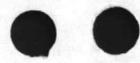
TO: Director, Maintenance and Repair Division

SUBJ: Land Application Alternative for Disposal of Grease Trap Effluent;
environmental requirement for

- Ref:
- (a) FONECON btwn Mr. Richard Koonce, Onslow County Health Dept, and Mr. Danny Sharpe, BMainDept, on 13 May 1981
 - (b) FONECON bten Mr. Mike Williams, NC Dept of NRCD, Wilmington and Mr. Danny Sharpe, BMainDept, on 14 May 1981
 - (c) FONECON btwn Mr. James Holdaway, EPA, Atlanta, and Mr. Danny Sharpe, BMainDept, on 14 May 1981
 - (d) FONECON btwn MAJ Henley, SJA, and Mr. Danny Sharpe, BMainDept, on 1 May 1981
 - (e) BO 11000.1A

Encl: (1) MCBul 6280 of 1 Oct 1980

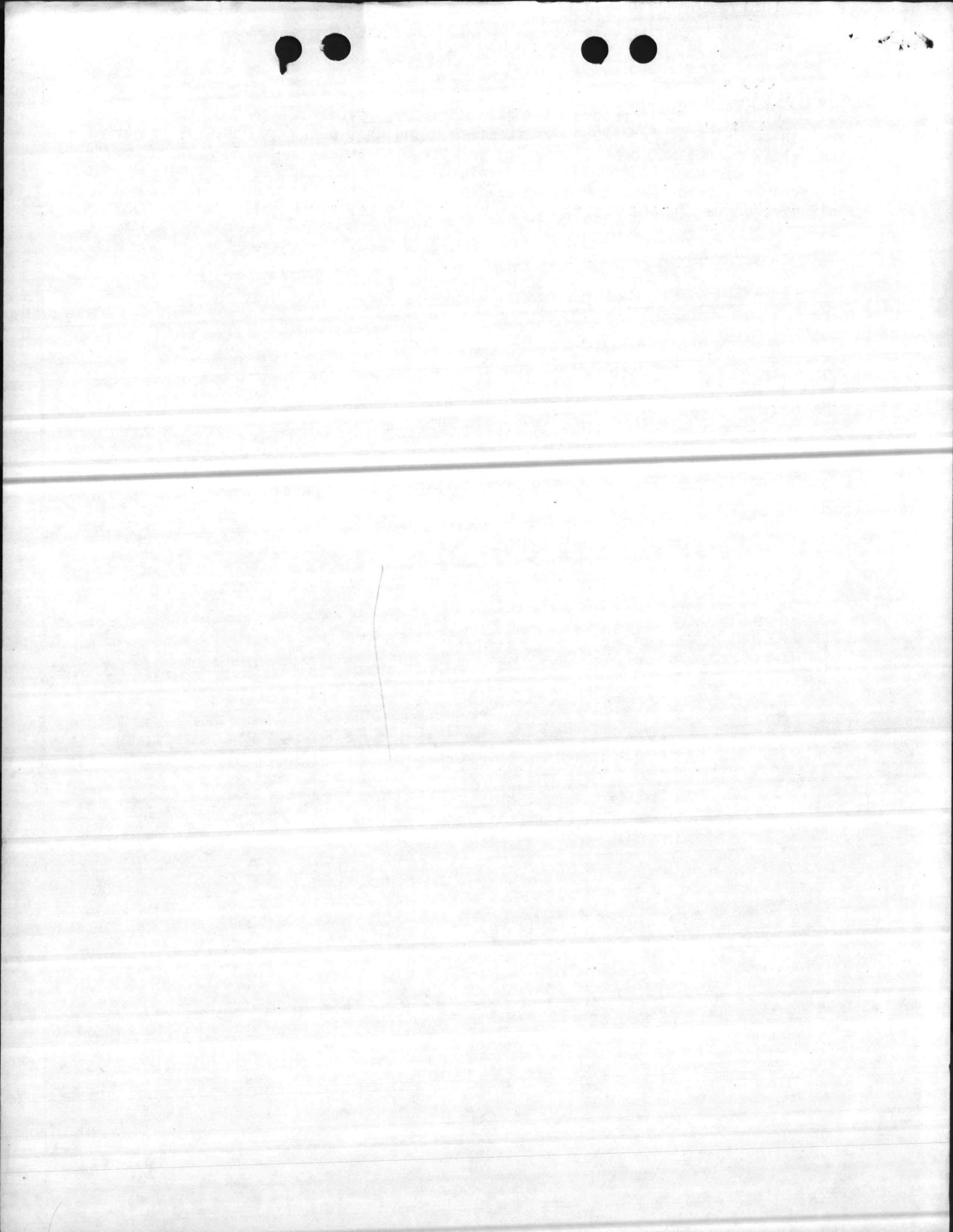
1. Based on information obtained in references (a), (b), (c) and (d), the subject disposal method appears to be a workable and legal alternative.
2. Mr. Koonce advised during reference (a) that the Onslow County Board of Health did not have jurisdiction over the subject activity aboard base. Were the action to be carried out in the civilian community, prior written approval of the Board would be required. The approval would basically address site selection and operating procedures.
3. During reference (b), Mr. Williams advised that the Environmental Management Commission did not have enforcement authority aboard federal installations. Mr. Williams further stated a private company proposing the same action would require a "non-discharge" permit under General Statute 143-215.1.
4. During reference (c), Mr. Holdaway advised that no EPA permit was required unless wastes including storm water runoff discharged into surface waters or groundwater was polluted. Mr. Holdaway advised that if only water and grease generated by mess halls were applied, groundwater pollution was not a significant factor. Mr. Holdaway's unsolicited recommendation was to discharge the liquid into the sanitary sewer after pretreatment to remove grease. Mr. Holdaway advised that the disposal facility is operated so as to preclude discharges into surface waters; EPA requirements were satisfied.
5. The Staff Judge Advocate (SJA) representative advised that current federal guidelines required base to obtain the environmental permit (but not health permits) discussed in paragraph 3. Enclosure (1) directs all Marine Corps activities to comply with both substantive and procedural requirements of the state and local pollution control regulations.



6. Accordingly, it is recommended that a suitable site be selected, that a written operational procedure be established and that adequate measures (diversions, dikes, holding ponds, etc.) to prevent discharges to surface waters, be designed. Enclosure (1) provides for assistance from the Engineering Field Division of Naval Facilities Engineering Command, Norfolk, Virginia, upon request. An Environmental Impact Assessment is required by reference (e).

J. I. WOOTEN

Copy to:
Bmo

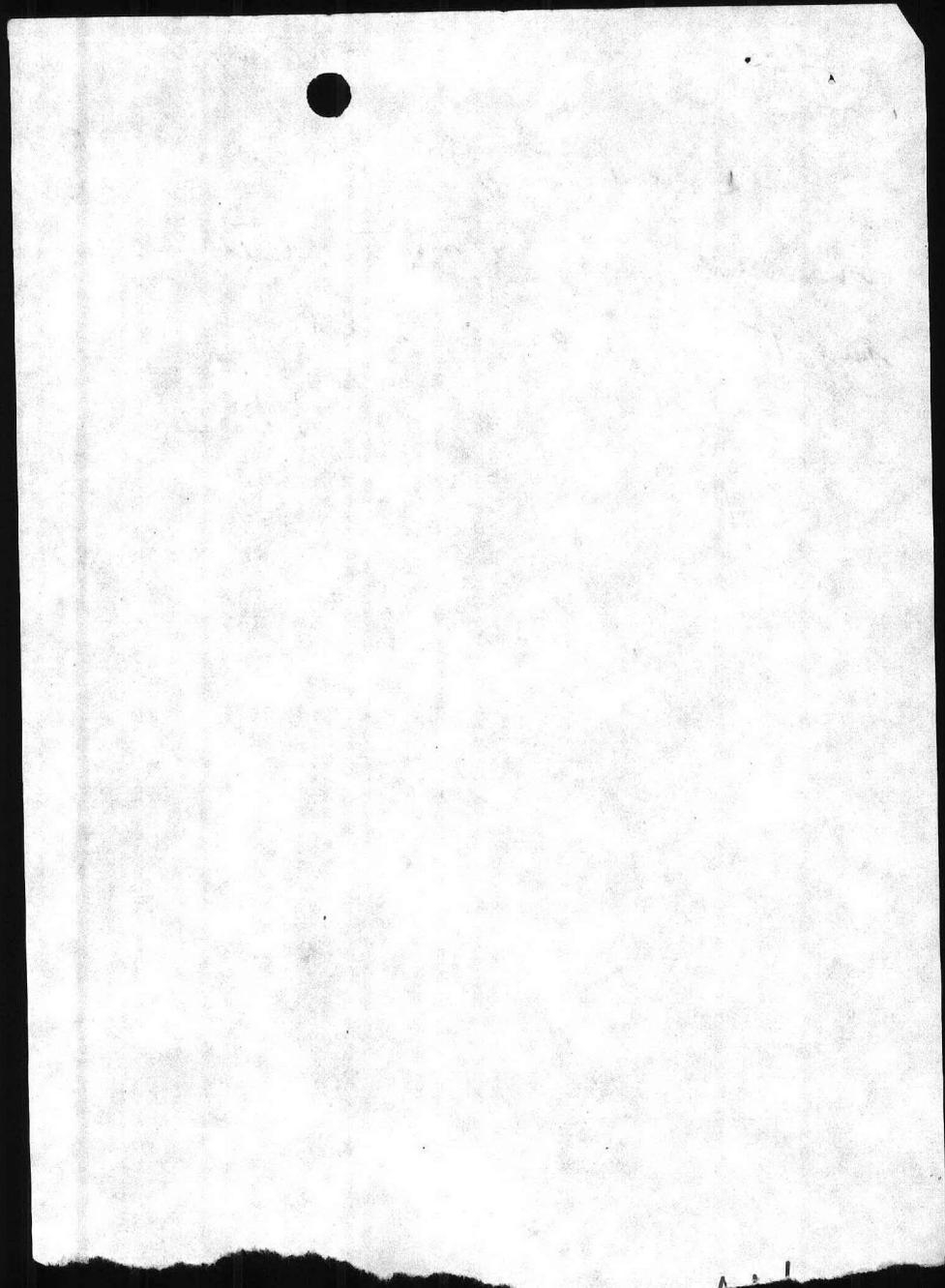


28 May 81

Danny

We need to get an ESR out
on Env Survey update. attached
might serve as a guide.

Julian



BASE MAINTENANCE DEPARTMENT
Marine Corps Base
Camp Lejeune, North Carolina 28542

MAIN/FEC/kmd
4330
26 May 1981

From: Base Maintenance Officer
To: Public Works Officer

Subj: Request for Engineering Services

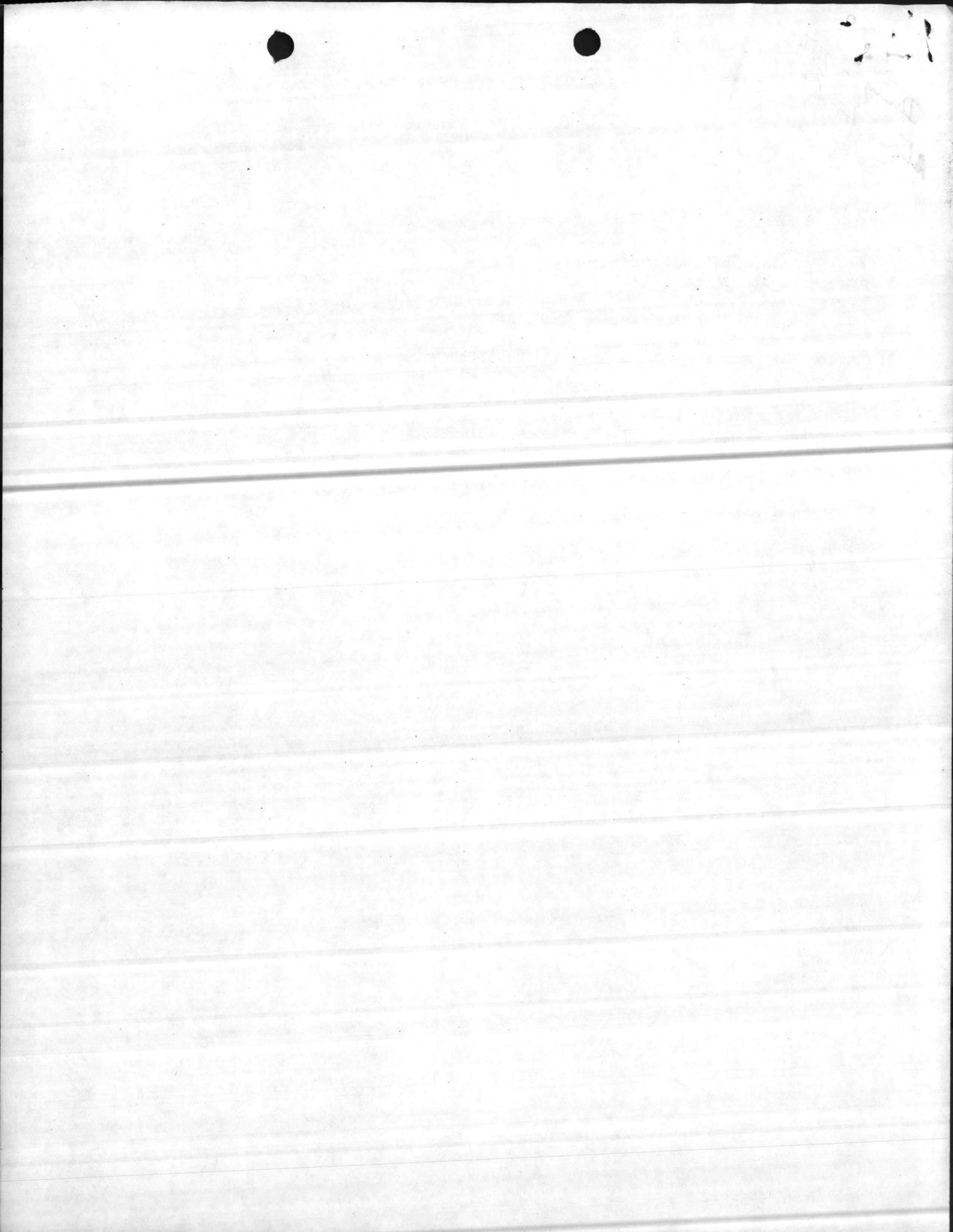
Encl: (1) ESR for Grease Disposal Problem

1. Enclosure (1) is forwarded for action.
2. Point of contact is Mr. Fred Cone, 451-5855.

F. E. Cone
F. E. CONE
By direction

Copy to:
OpnsDiv
UtilDiv
NREADiv ✓

*Danny - Note
Return for file
JLW*



ENGINEERING SERVICE REQUEST FOR GREASE DISPOSAL

I. General. Engineering services are required to determine proper disposal of grease and liquid pumped out of grease traps at Marine Corps Base, Camp Lejeune.

II. Background. Camp Lejeune presently pumps approximately 25,000 gallons of grease and water weekly from 57 grease traps around the base. The grease traps are located primarily at dining facilities, schools, clubs and other eating establishments. In the past, the liquid/grease has been deposited in the sanitary landfill. However, during a recent inspection of the landfill by a state inspector, we were directed to stop putting any liquid into the landfill. We have investigated several alternatives regarding possible disposal of the grease:

a. Selling to commercial source - a sample has been taken and sent to a private lab for analysis to determine the value (if any) of the grease. It is likely that the grease will require separation to get it into a form to sell.

b. Land Application - direct application to land (must prevent surface runoff).

c. Pit Disposal - disposal in a pit (periodically fill pit and relocate).

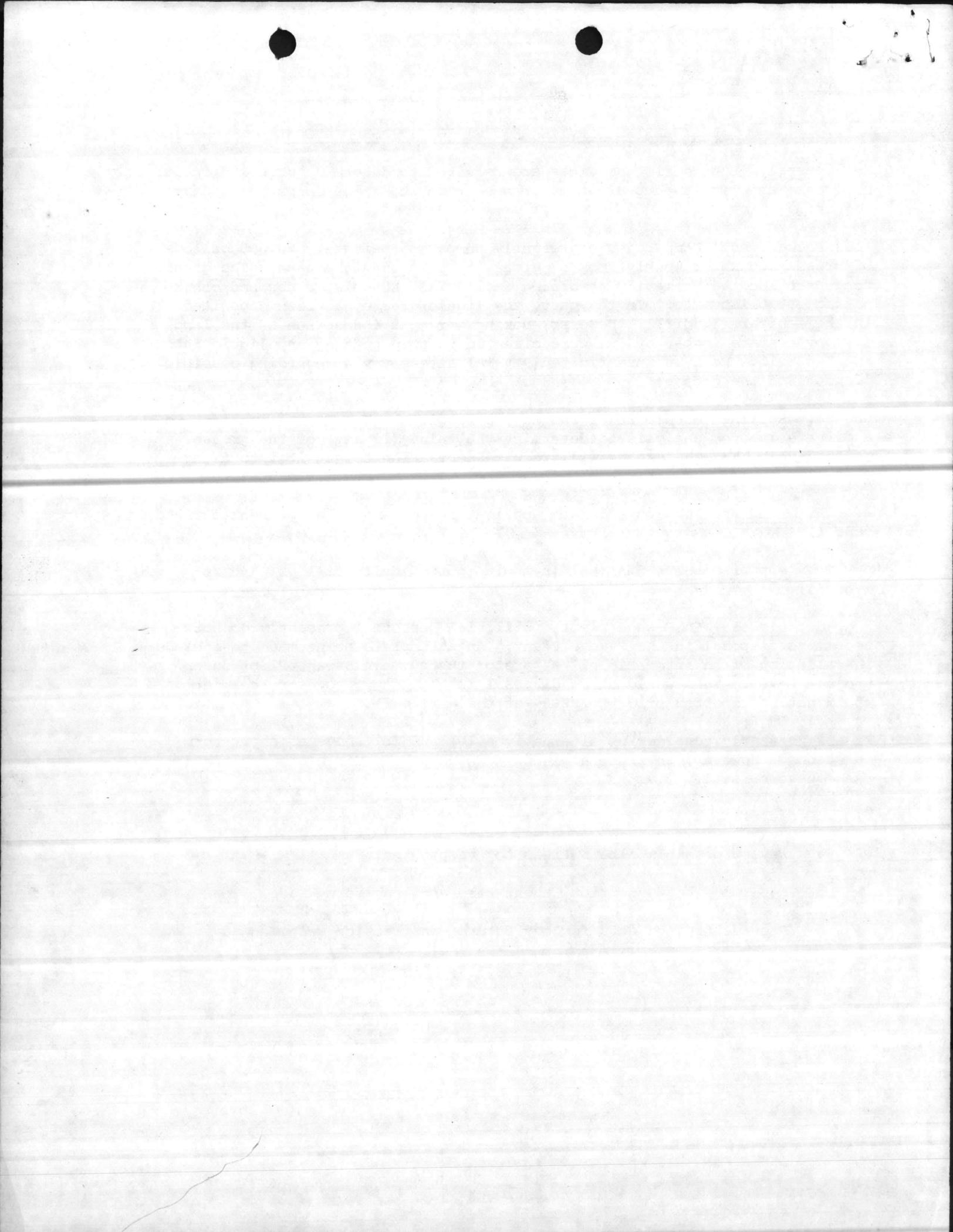
d. Disposal in Sewage Plant - Utilities personnel presently do not recommend disposal in the Sewage Plant. An attempt is being made to include installation of an automatic oil separator in the main Sewage Plant under Project P-789. This would allow disposal in the plant, however, completion would not be expected prior to FY83 (at the earliest).

We are presently considering alternatives (b) and (c) above as short-term solutions. However, environmental and maintenance requirements may make these uneconomical.

III. Scope of Work.

- a. Review possible alternatives to the problem.
- b. Determine best solution, short-term and long-term.
- c. Provide project data for any future construction recommended.

IV. Funding. Will be provided upon request.



UNITARY LANDFILL/SOLID WASTE: DISPOSAL



DEPARTMENT OF THE NAVY

Memorandum

MAIN/DDS/mac
6280/5

DATE: 28 May 1981

FROM: Supervisory Ecologist

TO: THE RECORD

SUBJ: Environmental Constraints Associated with Disposal of Grease from
Mess Halls

ENCL: (1) BMO ltr, MAIN/FEC/kmd 4330 of 26 May 1981

1. The Engineering Service Request regarding the subject disposal forwarded to Public Works Office under cover of enclosure (1) failed to list one of the most feasible alternatives which Natural Resources and Environmental Affairs Division recommended--i.e., to install an oil-water separator (s) designed to handle the 25-30,000 gallons of grease trap effluent/week at a strategic location(s) aboard base. The water from the separator would discharge to the sanitary sewer. The skimmings of grease could be sold to contractors presently serving the base.

2. While the sewage treatment plants have a real need for pretreatment capability to remove all types of greases and oils (petroleum, mess-hall grease, etc.), at no time did the supervisory ecologist indicate major modification to sewage treatment plant as a means to manage the subject grease.


J. I. WOOTEN

1801 Jan 10

Memorandum

Subject: [Illegible]

[Illegible text]

For Lou Jayton 24 May 82

455-2000

Call State - ~~Lofton~~
+ Church

Liquids are prohibited in Landfill Area
Not most desirable way disposing of Sludge
Practice has to stop
Sludge drying bed → landfill ←
Technically Solid Waste

Dry State can be put in landfill

Formal Compliance Agreement

will call back Friday 28 May 82

Julian

