



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

BO 11350.2  
MAIN/LDS/ece  
21 JUL 1980

BASE ORDER 11350.2

From: Commanding General  
To: Distribution List

Subj: Refuse Disposal Procedures

Ref: (a) BO P11101.32F  
(b) BO 4570.1C  
(c) BO 4100.8  
(d) BO P10110.10A  
(e) BO 11014.8A

1. Purpose. To publish instructions relative to separation, collection and disposal of garbage and trash, and the care and cleaning of receptacles other than family housing areas, which are covered in reference (a).

2. Definitions

a. Dempster Dumpsters - A waste storage container which is removed, emptied and returned by Dumpster trucks.

b. Dumpmaster Containers - Containers vary in size from three to eight cubic yards capacity and are emptied at their location into Dumpmaster trucks. (Containers are not taken from the area except for necessary repair/replacement.)

c. Trash Receptacles - Containers such as G.I. cans and 55 gallon trash drums with or without special lids. Responsible subordinates in whose areas receptacles are placed will ensure area commanders/commanding officers empty and maintain as required. All trash receptacles are to be emptied into Dempster Dumpsters or Dumpmaster containers by the using units.

d. Dining Facility G.I. Cans - Food garbage, classified as edible waste and bones from dining facilities and butcher shops, will be placed in G.I. cans and collected by a private contractor.

e. Recyclable Materials - Wastes such as aluminum cans and other scrap metals; unusable scrap lumber (defined in reference (b)); cardboard and newspapers (defined in reference (c)); and other materials for which a system for recovery has been established throughout the Base.

f. Sanitary Landfill - Refers to the Base Sanitary Landfill which is located two miles south of Holcomb Boulevard on Sneads Ferry Road.

g. Hazardous Wastes - Materials which have been prohibited by the Environmental Protection Agency, the State of North Carolina, DOD, Navy or Marine Corps from being placed into the type of Sanitary Landfill operated at Camp Lejeune, because of potential danger or harm to public health or environment.

3. Receptacle Locations

a. Collection stations for trash are designated by the Base Maintenance Officer. Additional stations will be established as justifications arise, upon written request from using units.

b. Collection stations for edible waste, grease and bones are established by a contract administered by the Defense Property Disposal Office, Building 906, Hadnot Point, extension 5613.

4. Responsibilities

a. All area commanders and commanding officers designated to operate enlisted dining facilities, in accordance with reference (d), and officers in charge of food preparation activities, which include service clubs, cafeterias, snack bars, and similar operations are responsible for the following:

- (1) Proper separation of trash, inedible and edible waste.
- (2) Proper cleaning of all containers and G.I. cans (excluding Dempster Dumpsters and Dumpmaster Containers) after they are emptied. Washing or scrubbing down of these containers will be done only at locations which have proper drains for the disposal of water and food particles. Galvanized G.I. cans will not be painted.
- (3) Maintaining cleanliness of all types of Dumpster refuse containers will be the responsibility of Base Maintenance Sanitation Section and the using units. Do not place wet refuse or waste in containers unless it is first put into waterproof bags which have been sealed at the top. Plastic bags for the consolidated mess system and other activities may be purchased from the Self-Service Center, Building 1606. The use of these waterproof bags will greatly reduce the amount of cleaning required by the Sanitation Section. The Base Maintenance Sanitation Section (extension 2636) will provide a steam cleaning service as required to maintain a satisfactory sanitary condition on site. In cases of fire or vandalism, immediate steps shall be taken to restore these containers to their original condition by notifying the Base Maintenance Sanitation Section. Care shall be taken to restore the Plant Account Number assigned each container for property control purposes.
- (4) Ensure proper utilization of compactors located in dining facilities.

b. All area commanders, commanding officers, and supervisory personnel shall prevent the placing of hazardous wastes into any trash receptacle container or the Base Sanitary Landfill without express written approval of the Base Maintenance Officer.

c. Organizational commanders and supervisory personnel at all levels are responsible for the proper segregation and conservation of recyclable materials, which are readily identifiable. Questions concerning the proper disposition of such material should be directed to the Defense Property Disposal Office. Recyclable material will be segregated at the point of origin, e.g., heavy iron, light sheetmetal, aluminum, cast iron, batteries, etc., and free of trash and debris to expedite turn-in. Special containers have been located in designated locations around the Base and can be identified by their color-coding as follows:

- (1) Green with yellow marking - corrugated cardboard.
- (2) Red, white and blue - newspapers.
- (3) Orange with black marking - aluminum
- (4) Silver with black marking (also identifiable by its compact size) - scrap iron.

5. Area Police. Responsibility for policing areas around collection stations rests entirely with the users.

6. Schedules. Collections are made daily at dining facilities. Other collections are made two or three times per week. Justifiable irregular collections may be made by calling extension 2636. Irregular collections of edible waste, grease and bones may be arranged by calling extension 5613, Defense Property Disposal Office.

#### 7. General

- a. Crush and flatten all cardboard boxes before placing them in any container.
- b. Do not over-fill containers.
- c. Do not place grass, leaves, pine straw, lumber, metal, pallets, dirt, or other weighty materials in the containers. These materials will be removed by the using units. Wooden boxes and scrap wood will be disposed of in accordance with reference (b). All other trash will be taken to the Sanitary Landfill.
- d. Do not place any type of explosives or ammunition in the containers.
- e. Do not place fire, matches, or hot ashes in these containers.
- f. Do not park in front of the containers.
- g. Do not run water into containers in an attempt to pack down the trash.
- h. Do not place wet garbage, such as waste meats and food stuffs, in the containers unless it is first securely wrapped or placed in plastic bags.

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- i. Do not break glass bottles, jars, etc., when placing them in containers.
- j. Do not wash inside of containers with excessive amounts of water; this creates rusting and erosion problems.
- k. Do not leave top or side doors open.
- l. Anticipated heavy refuse-producing situations (such as the moving out of a unit) should be reported, as far in advance as possible, to the Base Sanitation Section, extension 2636.
- m. Vehicles used to transport refuse to the landfill must comply with reference (e). Violators will be subject to the penalties listed therein.
- n. Loose paper/cards will be containerized prior to being placed in containers to prevent scattering.
- o. Disposing of refuse of any type on roads, road shoulders, in wooded areas, or any other place except the Sanitary Landfill is prohibited.

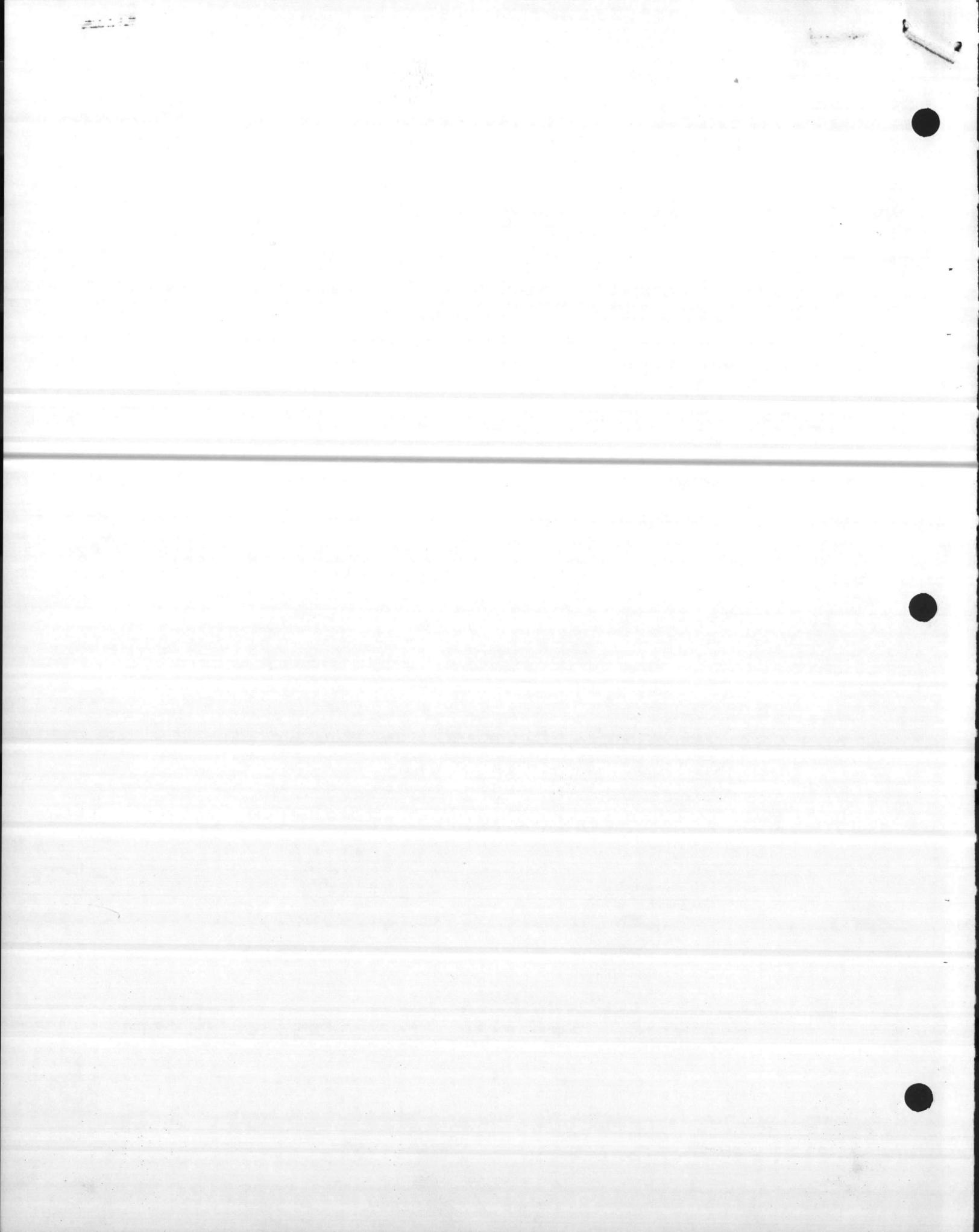
8. Base Sanitary Landfill

- a. Hours of operation for the Base Sanitary Landfill are 0800 to 1600, Monday through Friday. In cases of emergency on weekends, access for disposal can be obtained by calling extension 3001 in building 1202.
- b. Personnel delivering refuse will contact the landfill operator prior to unloading.
- c. Scavenging within the landfill area is prohibited

10. Applicability. Having received the concurrence of the Commanding Generals of 2d Marine Division, Fleet Marine Force and 2d Force Service Support Group (Reinforced), Fleet Marine Force Atlantic, and the Commanding Officer, Marine Corps Air Station (Helicopter), New River, Naval Regional Medical Center, and Naval Regional Dental Center, this order is applicable to those commands.

  
J. R. FRIDELL  
Chief of Staff

DISTRIBUTION: A





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

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

*Note: Permit  
has been registered  
with courthouse  
Per Jordan 17 Sep 82*

July 20, 1982

Commanding General  
United States Marine Corps  
Marine Corps Base  
Camp Lejeune, NC 28542  
Attn: Asst. Chief of Staff-Facilities

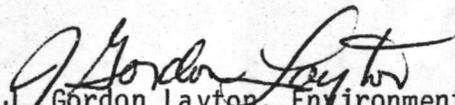
Re: Permit #67-03  
Camp Lejeune, Onslow County

Dear Sir:

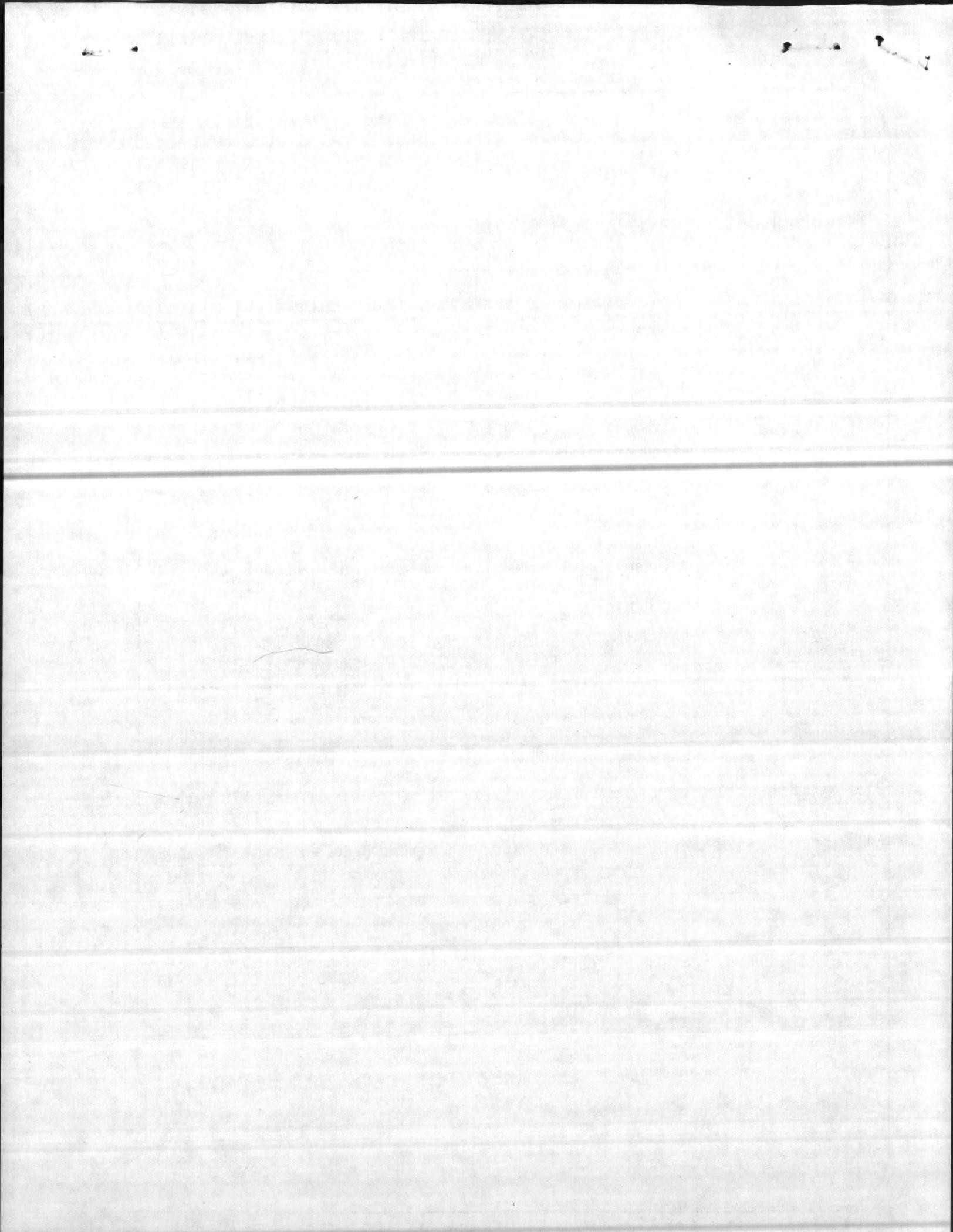
The enclosed plan is approved in accordance with  
G.S. 130-166. Permit No. 67-03 is issued under  
conditions provided for on the permit.

If you have any questions, please advise.

Respectfully,

  
J. Gordon Layton, Environmental Engineer  
Solid & Hazardous Waste Management Branch  
Environmental Health Section

JGL:ns  
Enclosure  
cc: R. E. Carlson  
Raymond L. Church  
Pat McDowell  
Eris L. Rouse



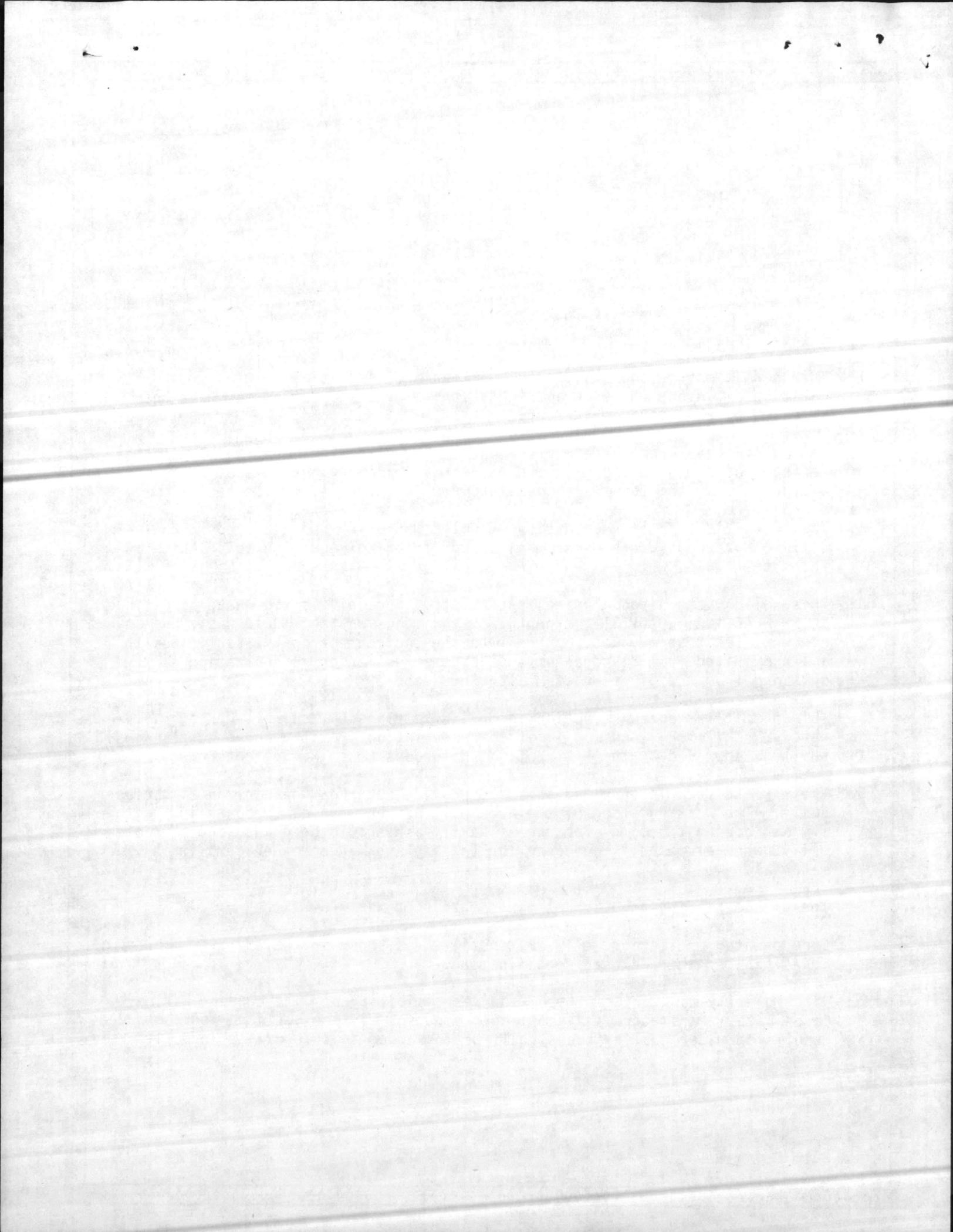
PERMIT NO. 67-03

DATE ISSUED 7/20/82

## SOLID WASTE PERMIT

### Conditions of Permit:

1. This permit may be subject to review at an administrative hearing upon petition of anyone whose legal rights, privileges and duties may have been affected by the issuance thereof.
2. This permit shall not be effective unless the certified copy is filed in the register of deeds' office, in the grantor index under the name of the owner of the land in the county or counties in which the land is located.
3. The "Certification of Recordation of Solid Waste Permit" returned to the Solid & Hazardous Waste Management Branch prior to receiving solid waste at the site.
4. This solid waste disposal site is permitted to receive solid waste as defined in 10 NCAC 10G, .0101(31), except that hazardous waste, liquid waste and any other wastes that may pose a threat to the environment or the public health are prohibited from disposal at this site unless prior authorization is obtained from the Division of Health Services.
5. This permit is for construction according to plans by McDowell-Jones, P.A., dated March, 1982. Any modification or deviation from the approved plans shall be approved by the N.C. Solid & Hazardous Waste Management Branch.
6. The fly ash area is operated so as to provide cover on the horizontal surface daily. The working slope of the area will not require daily cover if the fly ash does not become airborne. The fly ash should be graded and compacted daily, when disposed. Top cover for the fly ash may be other demolition material.
7. The grease holding pond is not part of this permit.
8. Ground-water monitoring wells are installed as shown in red on pages 1 and 2 of the plans per the enclosed specification.
9. Water quality monitoring will be the responsibility of Camp Lejeune Marine Corps Base. Parameters and sampling procedures will be outlined and forwarded. Results of water quality tests shall be forwarded to this office annually.



PERMIT NO. 67-03

DATE ISSUED 7/20/82

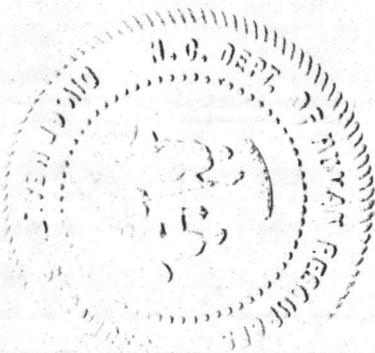
STATE OF NORTH CAROLINA  
DEPARTMENT OF HUMAN RESOURCES  
*Division of Health Services*  
P.O. Box 2091                      Raleigh 27602

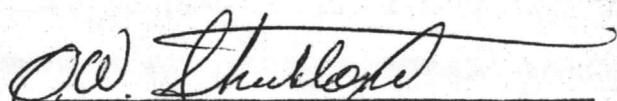
## SOLID WASTE PERMIT

CAMP LEJEUNE MARINE CORPS BASE is hereby issued a permit to  
operate a SANITARY LANDFILL  
located ON SNEADS FERRY ROAD (ONSLAW COUNTY),

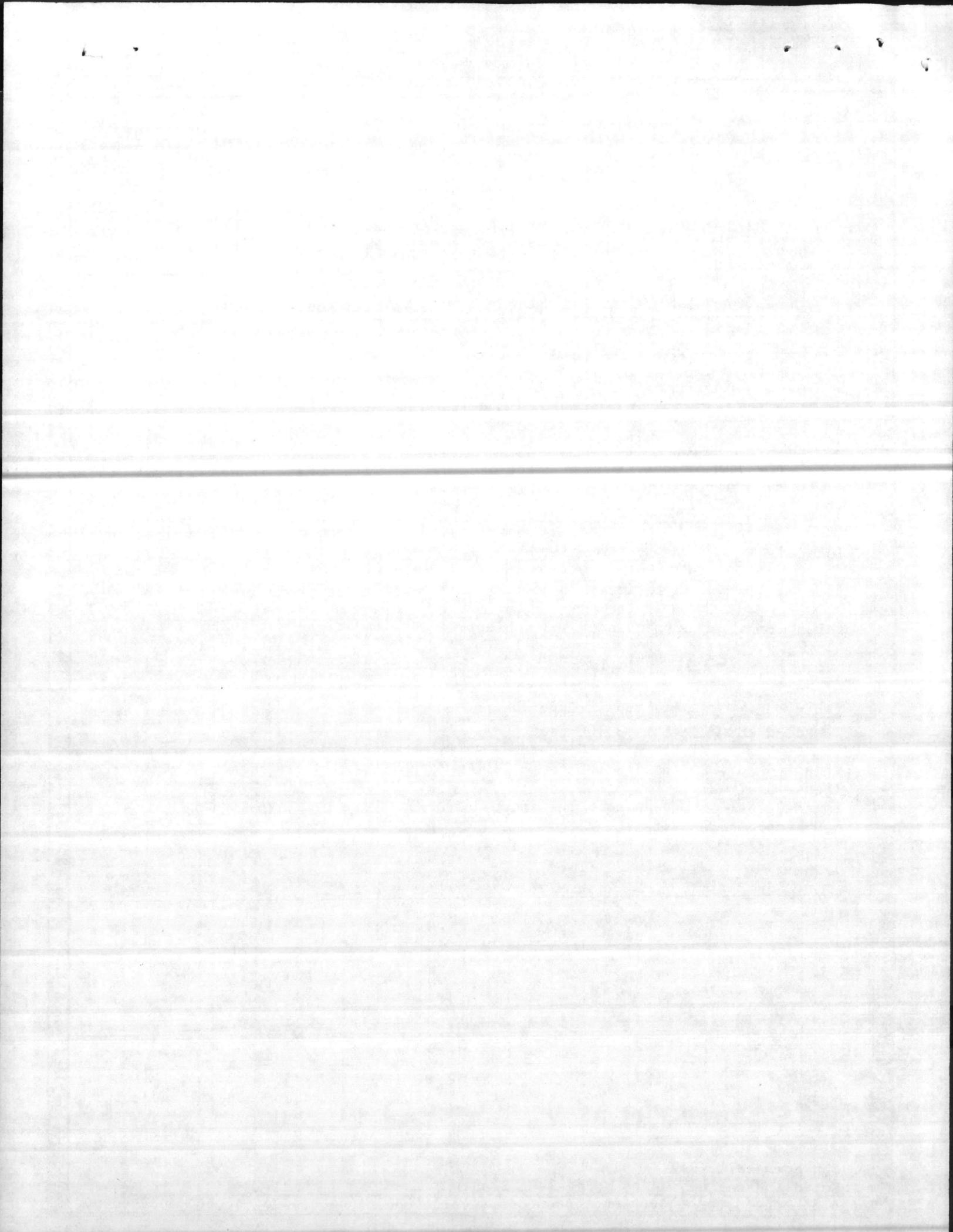
in accordance with Article 13B of the General Statutes of North Carolina and all  
rules promulgated thereunder and subject to the conditions set forth in this  
permit. The facility is located on the below described property.

BEGINNING at a point 332,151.5691/2,508,793.014:  
thence N 28° 22' 46" W 3,100 feet;  
thence N 61° 37' 14" E 1,950 feet;  
thence S 28° 22' 46" E 3,100 feet;  
thence S 61° 37' 14" W 1,950 feet;  
to the point of beginning. The above coordinates are relative to the  
N.C. Coordinate System.



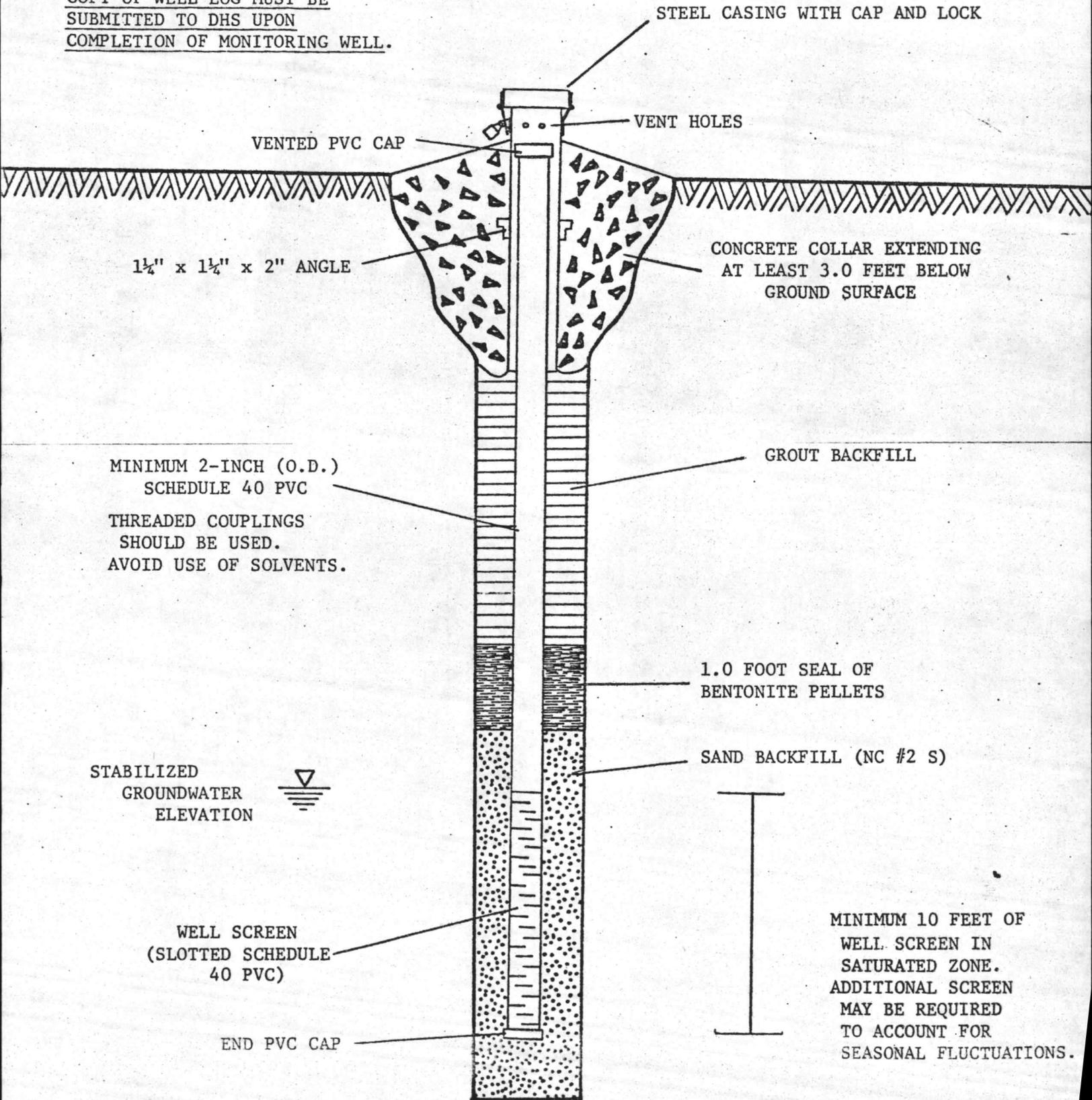


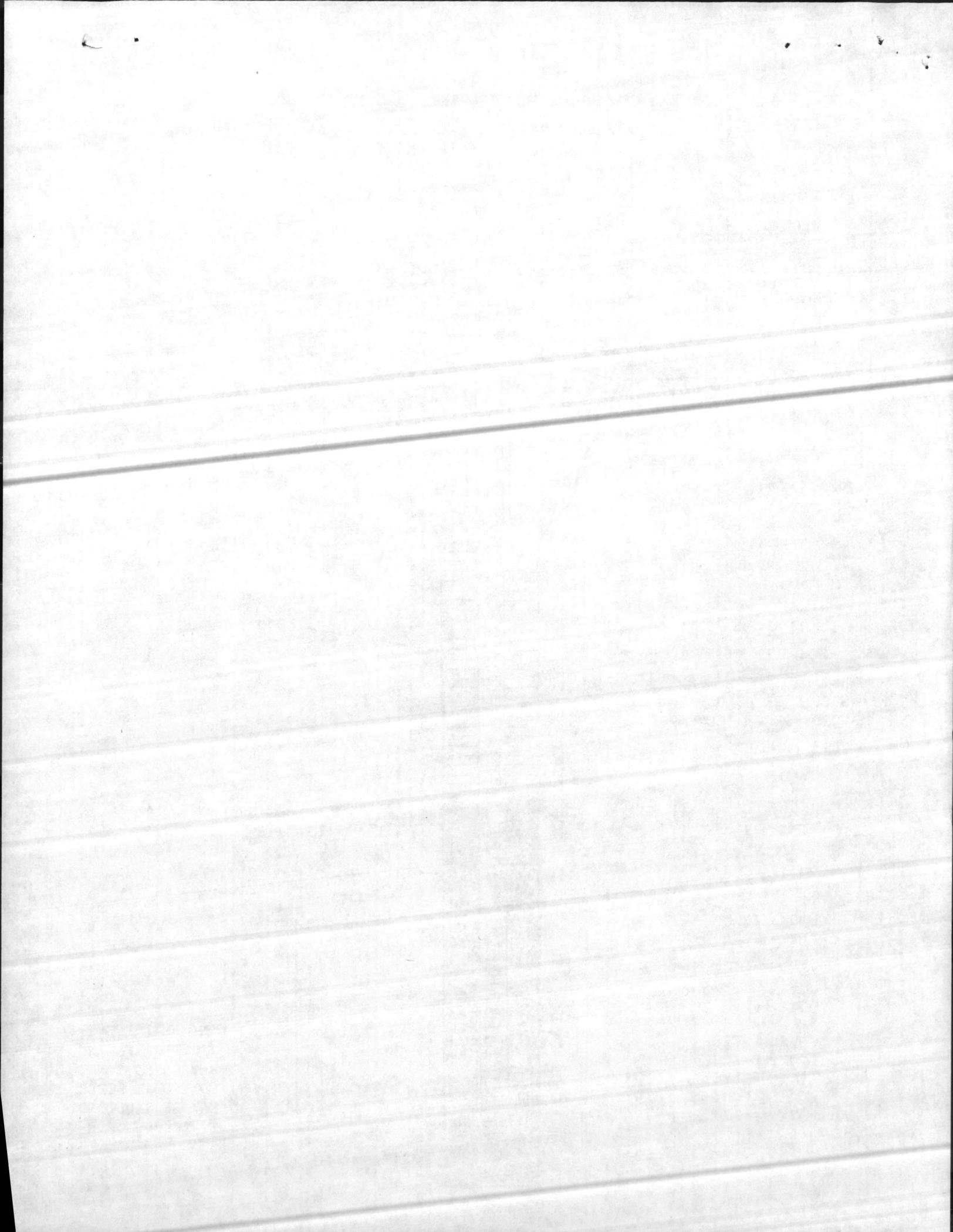
O. W. Strickland, Head  
Solid & Hazardous Waste Management  
Branch  
Environmental Health Section



TYPICAL GROUNDWATER MONITORING WELL INSTALLATION  
 SOLID & HAZARDOUS WASTE MANAGEMENT BRANCH  
 DIVISION OF HEALTH SERVICES

COPY OF WELL LOG MUST BE  
 SUBMITTED TO DHS UPON  
 COMPLETION OF MONITORING WELL.





## PROCEDURES FOR INSTALLATION OF GROUND-WATER MONITORING WELLS

The location of monitoring wells at the proposed landfill site is the most critical phase of the site development. Placement of the monitoring wells will be based on ground-water gradients established during the preliminary site investigation. The selection of monitoring well locations must be coordinated with the geologist for the Solid and Hazardous Waste Management Branch. This is to assure uniformity of installation procedures and conformance with EPA regulations.

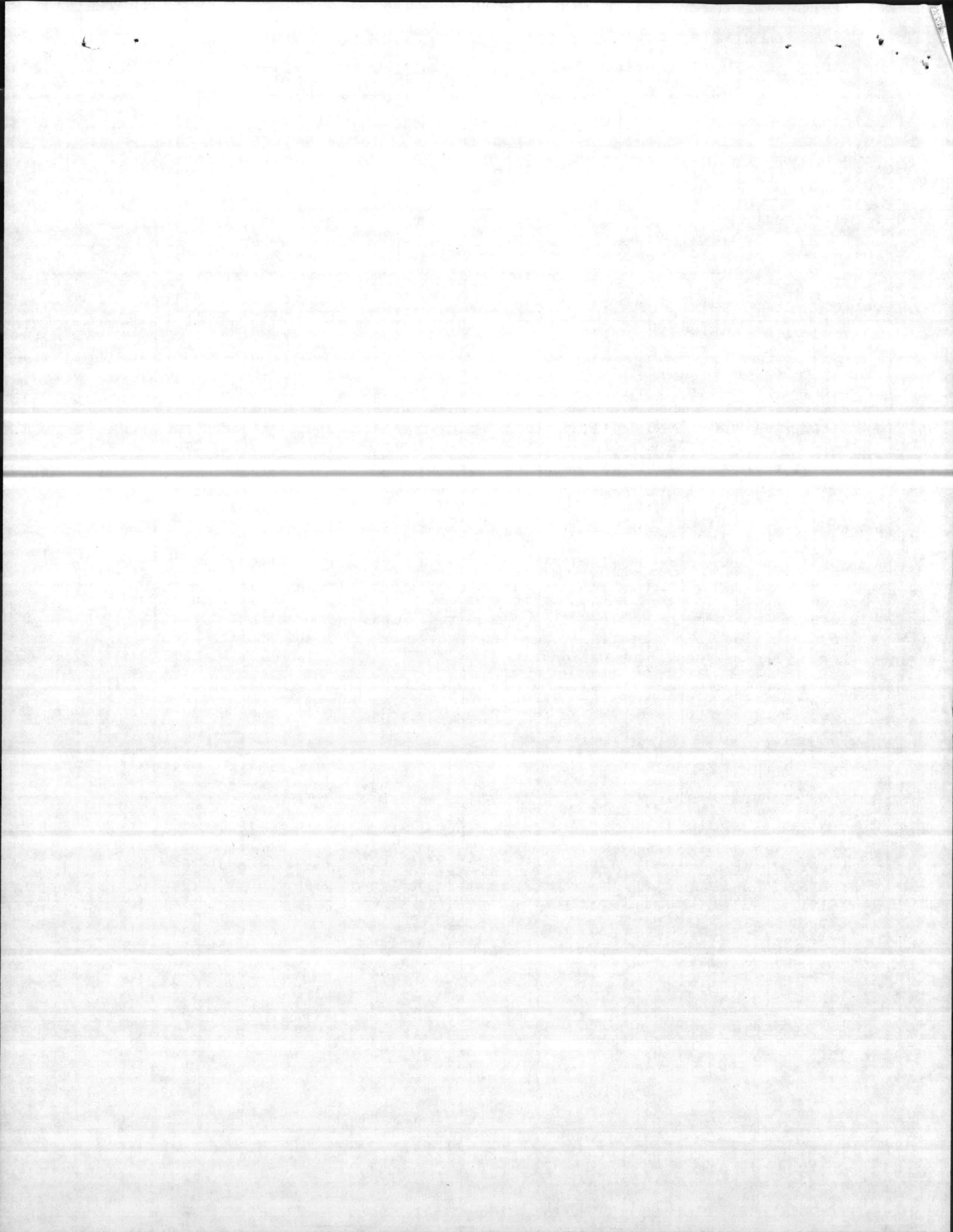
The procedure for drilling through the unsaturated soil mantle to the water bearing formation is a standard procedure with most consulting and well drilling firms. The only precaution in this stage of the installation is minimizing the use of drilling fluid (bentonite-gel mixture), flocculants (mixtures of sodium pyrophosphate) and excessive use of lubricants. If any of these or relating products are used in the drilling process, the hole should be flushed to remove as much of the contaminants as possible.

Installation of the monitoring well and placement of the well screen is critical to assure the ground-water sample represents the uppermost layer of the water-bearing material where hydrocarbons and toxic organics may accumulate. A minimum well screen length of ten feet is required. In most cases an additional five-foot section of well screen above the ground-water level at the time of boring will be required. This is to account for a possible rise in the static ground-water level due to stabilization after boring and seasonal fluctuations.

In connecting sections of PVC pipe, clamps or threaded fittings of pipe is preferred over epoxy cement as the latter may contaminate ground-water samples.

Sand, used as a pre-screening of influent ground-water, should be washed to remove all fines and prevent clogging of the well screen.

The remainder of materials used in the installation of the monitoring wells are fairly self-explanatory. Should questions arise as to the type of materials or any phase of the installation, please contact the geologist for the Solid and Hazardous Waste Management Branch in Raleigh, N.C., at (919) 733-2178.





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

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

CERTIFICATION OF RECORDATION OF SOLID WASTE PERMIT

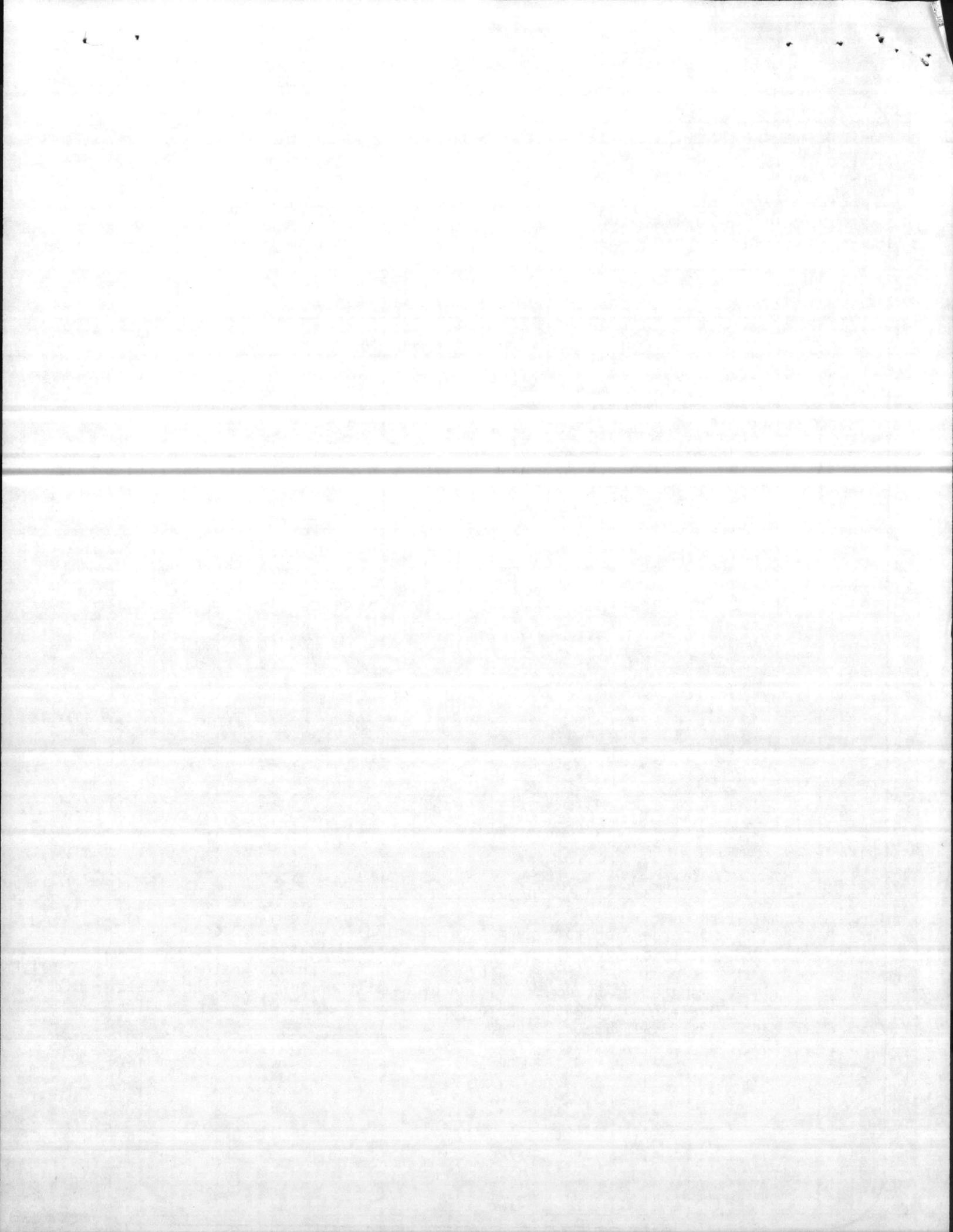
The Certified Copy of Permit # \_\_\_\_\_ was recorded  
on Page \_\_\_\_\_, Book \_\_\_\_\_; on this  
\_\_\_\_\_ day of \_\_\_\_\_, 19\_\_\_\_.

\_\_\_\_\_  
Register of Deeds

(seal)

To Landfill Owner/Operator:

In order for this permit to be valid it must be recorded as specified in the Permit. This certification of recordation must be received by the Solid & Hazardous Waste Management Branch, Division of Health Services, P.O. Box 2091, Raleigh, NC 27602, prior to receiving solid waste at the disposal site.





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

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

CERTIFIED COPY OF SOLID WASTE PERMIT

I do hereby certify that the attached PERMIT is an exact and true copy  
of Permit No. 67-03.

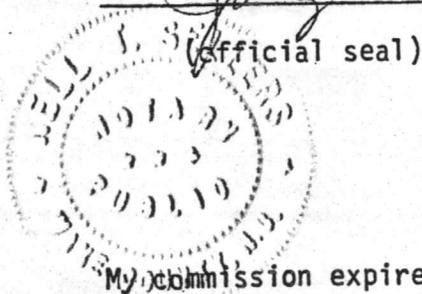
O. W. Strickland, Head  
Solid & Hazardous Waste Management Branch  
Environmental Health Section

North Carolina

Wake County

I, Dee L Sellers, a Notary Public for said  
County and State, do hereby certify that O. W. Strickland  
personally appeared before me this day and acknowledged the due  
execution of the foregoing instrument.

Witness my hand and official seal, this the 20<sup>th</sup> day of  
July, 1982.



Dee L Sellers  
Notary Public

My commission expires July 24, 1982.

