

6240
NREAD
13 Mar 1985

From: Director, Natural Resources and Environmental Affairs
Division, Marine Corps Base, Camp Lejeune
To: Base Maintenance Officer, Marine Corps Base, Camp Lejeune
Subj: BASE SANITARY LANDFILL
Encl: (1) 10 NCAC 10G .0106, .0503, .0504 and .0601

1. The enclosure provides changes in existing Division of Health Services regulations applicable to subject landfill. Provisions in the existing landfill permit are still in effect. The enclosure clarifies some provisions of the permit.
2. Regarding 10 NCAC 10G .0106, personnel involved in the collection of refuse or in the receipt of refuse at the landfill should be instructed to promptly report any problems through the chain of command.
3. Regarding 10 NCAC 10G .0505, please review this section carefully and advise this office of any questions or conflicts.
4. Regarding 10 NCAC 10G .0601, four monitoring wells have been installed at the landfill for use in checking groundwater quality. Please advise all personnel working in the area that these wells should not be disturbed. NREAD is responsible for collection of samples and reporting of results to appropriate agencies.
5. Point of contact in this matter is Mr. Danny Sharpe, telephone extensions 5003/2083.

J. I. WOOTEN

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Writer: D. Sharpe, NREAD 5003
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Subject: [illegible]

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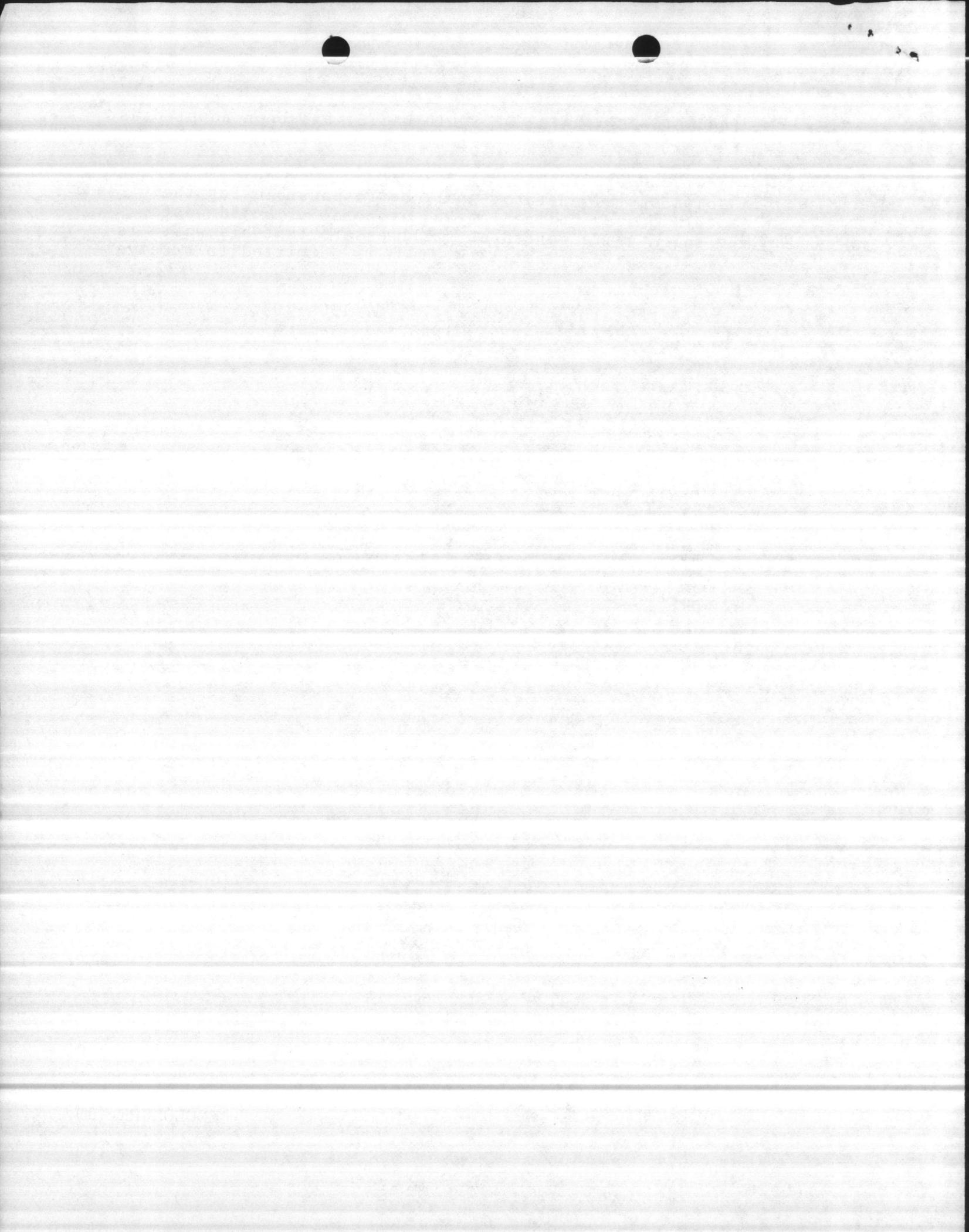
10 NCAC 10G .0106 GENERATOR OF SOLID WASTE; has been adopted as follows:

.0106 GENERATOR OF SOLID WASTE

(a) A solid waste generator shall be responsible for the satisfactory storage, collection and disposal of solid waste.

(b) The solid waste generator shall ensure that his waste is disposed of at a site or facility which is permitted to receive the waste.

History Note: Statutory Authority G.S. 130A-294;
Eff. January 1, 1985.



10 NCAC 10G .0505; OPERATIONAL REQUIREMENTS FOR SANITARY LANDFILLS; has been amended as follows:

Any person who maintains or operates a sanitary landfill site shall maintain and operate the site in conformance with the following practices, unless otherwise specified in the permit:

- (1) Plan and Permit Requirements
 - (a) Construction plans shall be approved and followed.
 - (b) Specified monitoring and reporting requirements shall be met.
- (2) Spreading and Compacting Requirements
 - (a) Solid waste shall be restricted into the smallest area feasible.
 - (b) Solid waste shall be compacted as densely as practical into cells.
- (3) Cover Requirements
 - (a) Solid waste shall be covered after each day of operation, with a compacted layer of at least six inches of suitable cover or as specified by the division.
 - (b) Areas which will not have additional wastes placed on them for 12 months or more shall be covered with a minimum of one foot of intermediate cover.
 - (c) After final termination of disposal operations at the site or a major part thereof or upon revocation of a permit, the area shall be covered with at least two feet of suitable compacted earth.
- (4) Erosion Control Requirements
 - (a) Adequate erosion control measures shall be practiced to prevent silt from leaving the site.
 - (b) Adequate erosion control measures shall be practiced to prevent excessive on-site erosion.
- (5) Drainage Control Requirements
 - (a) Surface water shall be diverted from the operational area.
 - (b) Surface water shall not be impounded over or in waste.
 - (c) Completed areas shall be adequately sloped to allow surface water runoff in a controlled manner.
- (6) Vegetation Requirements
 - (a) Within six months after final termination of disposal operations at the site on a major part thereof or upon revocation of a permit, the area shall be stabilized with native grasses.
 - (b) Temporary seeding will be utilized as necessary to stabilize the site.
- (7) Water Protection Requirements
 - (a) The separation distance of four (4) feet between waste and water table shall be maintained unless otherwise specified by the division in the permit.
 - (b) Solid waste shall not be disposed of in water.
 - (c) Leachate shall be contained on site or properly treated prior to discharge. An NPDES permit may be required prior to the discharge of leachate to surface waters.



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- (8) Access and Security Requirements
- (a) The site shall be adequately secured by means of gates, chains, berms, fences, and other security measures approved by the division, to prevent unauthorized entry.
 - (b) An attendant shall be on duty at the site at all times while it is open for public use to ensure compliance with operational requirements.
 - (c) The access road to the site shall be of all-weather construction and maintained in good condition.
 - (d) Dust control measures shall be implemented where necessary.
- (9) Sign Requirements
- (a) Signs providing information on dumping procedures, the hours during which the site is open for public use, the permit number and other pertinent information shall be posted at the site entrance.
 - (b) Signs shall be posted stating that no hazardous or liquid waste can be received without written permission from the division.
 - (c) Traffic signs or markers shall be provided as necessary to promote an orderly traffic pattern to and from the discharge area and to maintain efficient operating conditions.
- (10) Safety Requirements
- (a) Open burning of solid waste is prohibited.
 - (b) Equipment shall be provided to control accidental fires or arrangements shall be made with the local fire protection agency to immediately provide fire-fighting services when needed.
 - (c) Fires that occur at a sanitary landfill shall be reported to the division within 24 hours and a written notification shall be submitted within 15 days.
 - (d) The removal of solid waste from a sanitary landfill is prohibited unless the owner/operator approves and the removal is not performed on the working face.
 - (e) Barrels and drums shall not be disposed of unless they are empty and perforated sufficiently to ensure that no liquid or hazardous waste is contained therein.
- (11) Waste Acceptance and Disposal Requirements
- (a) A site shall only accept those solid wastes which it is permitted to receive.
 - (b) No hazardous, liquid, or infectious waste shall be accepted or disposed of in a sanitary landfill except as may be approved by the division.
 - (c) Spoiled foods, animal carcasses, abattoir waste, hatchery waste, and other animal waste delivered to the disposal site shall be covered immediately.



- (d) Asbestos waste that is packaged in accordance with 40 CFR 61, as amended through January 1, 1985, may be disposed of separate and apart from other solid wastes at the bottom of the working face or in an area not contiguous with other disposal areas, in either case, in virgin soil. Separate areas shall be clearly marked so that asbestos is not exposed by future land-disturbing activities. The waste shall be covered immediately with soil in a manner that will not cause airborne conditions. Copies of 40 CFR 61 may be obtained and inspected at the Solid & Hazardous Waste Management Branch, Division of Health Services, P.O. Box 2091, Raleigh, N. C., 27602.
- (12) Miscellaneous Requirements
- (a) Effective vector control measures shall be applied to control flies, rodents, and other insects or vermin when necessary.
 - (b) Appropriate methods such as fencing and diking shall be provided within the area to confine solid waste subject to be blown by the wind. At the conclusion of each day of operation, all windblown material resulting from the operation shall be collected and returned to the area by the owner or operator.

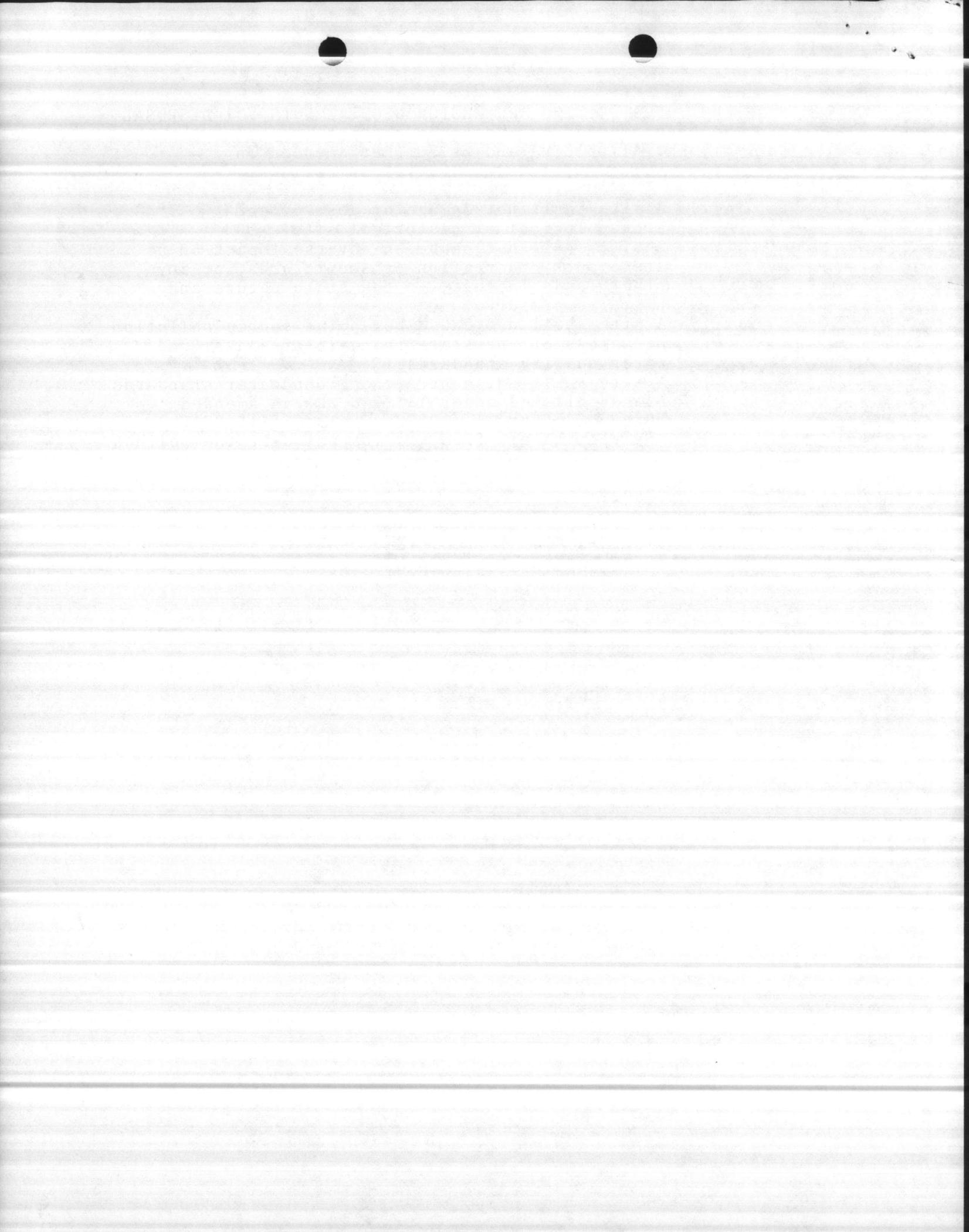
History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. January 1, 1985.



10 NCAC 10G .0503; SITING AND DESIGN REQUIREMENTS FOR DISPOSAL SITES; has been amended by adding new subparagraphs (1)(b)(iii) and (1)(b)(iv) and is further amended in subparagraphs (2)(c)(iii) and (2)(d)(i) as follows:

- (iii) A site shall not damage or destroy an archaeological or historical site.
- (iv) A site shall not cause an adverse impact on a state park, recreation or scenic area, or any other lands included in the state nature and historic preserve.
- (iii) A site shall not cause non-point source pollution of waters of the state that violates assigned water quality standards.
- (i) A site shall not contravene groundwater standards as established under 15 NCAC 2L, as amended through January 1, 1985. Copies of 15 NCAC 2L may be obtained from and inspected at the Solid & Hazardous Waste Management Branch, Division of Health Services, P.O. Box 2091, Raleigh, N. C., 27602.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. January 1, 1985.



10 NCAC 10G .0504; APPLICATION REQUIREMENTS FOR SANITARY LANDFILLS; has been amended in subparagraphs (1)(a), (1)(b), (1)(c)(i)(E), and (1)(c)(i)(G) and has been further amended by adding new subparagraphs (1)(g)(iv) and (1)(g)(v) as follows:

(a) An aerial photograph (scale 1" = 400 ft. or larger) and a blueprint of the photograph accurately showing the area within one-fourth mile of the proposed site's boundaries with the following specifically identified:

(b) A map (scale 1" = 1000 ft. or larger) showing the area within two miles of the proposed site's boundaries with the following specifically identified:

- (E) undisturbed representative geologic sample(s) of the unconfined and/or confined or semiconfined hydrological unit(s) within a depth of 50' that provide the following information for each major lithologic unit(s):
- (G) Stratigraphic cross-sections identifying hydrogeological units including lithology.
- (iv) A proposed groundwater monitoring plan including well location and schematics showing proposed screened interval, depth and construction.
- (v) A more detailed geologic report may be required depending on specifics of the site. This report may be based on physical evidence, initially, or due to information obtained from the site plan application.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. January 1, 1985.



10 NCAC 10G .0601; GROUNDWATER MONITORING; has been amended by adding new paragraphs (d), (e), and (f), as follows:

(d) All monitoring wells required pursuant to this Rule must comply with monitoring well construction standards of 15 NCAC 2C .0105., as amended through January 1, 1985. Copies of 15 NCAC 2C may be obtained from and inspected at the Solid & Hazardous Waste Management Branch, Division of Health Services, P.O. Box 2091, Raleigh, N. C., 27602.

(e) A record of well installation must be filed with the division upon completion of the monitoring wells.

(f) Groundwater quality monitoring wells must be constructed of materials and by procedures as approved by the division.

History Note: Statutory Authority G.S. 130A-294;
Eff. April 1, 1982;
Amended Eff. January 1, 1985.

