

Parcel 82229

**Please Note:**  
**This Parcel**  
**Has A**  
**State Issued**  
**Septic Permit**



North Carolina Department of Environment and Natural Resources

Division of Water Quality

Coleen H. Sullins  
Director

Beverly Eaves Perdue  
Governor

Dee Freeman  
Secretary

May 31, 2009

THOMAS AND LINDA BENNETT  
240 EVER AFTER LANE  
APEX, NC 27523

Subject: Permit No. WQ0023616  
Thomas and Linda Bennett  
SFR  
Surface Drip Irrigation  
Facility  
Chatham County

Dear Mr. and Mrs. Bennett:

In accordance with your permit renewal request received March 27, 2009, we are forwarding herewith Permit No. WQ0023616, dated May 31, 2009, to Thomas and Linda Bennett for the continued operation of the subject single family wastewater treatment and surface irrigation facilities located at 240 Ever After Lane, Apex, NC 27523.

This permit shall be effective from the date of issuance until April 30, 2014, shall void Permit No. WQ0023616 issued September 9, 2004, and shall be subject to the conditions and limitations as specified therein. Please pay particular attention to the monitoring requirements in this permit. Failure to establish an adequate system for collecting and maintaining the required operational information will result in future compliance problems.

An extension shall be requested at least six (6) months prior to the expiration of this permit. Upon receipt of the request the Commission will review the adequacy of the facility described therein and, if warranted, will extend the permit for such period of time and under such conditions and limitations as it may deem appropriate.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within thirty (30) days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made this permit shall be final and binding.

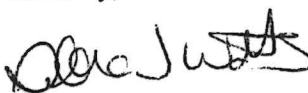
AQUIFER PROTECTION SECTION  
1636 Mail Service Center, Raleigh, North Carolina 27699-1636  
Location: 2728 Capital Boulevard, Raleigh, North Carolina 27604  
Phone: 919-733-3221 \ FAX 1: 919-715-0588; FAX 2: 919-715-6048 \ Customer Service: 1-877-623-6748  
Internet: [www.ncwaterquality.org](http://www.ncwaterquality.org)

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One  
North Carolina  
*Naturally*

Please contact Michael Rogers at (919) 715-6166 if you need additional information concerning this matter.

Sincerely,



for Coleen H. Sullins

cc: Chatham County Environmental Health Department  
Raleigh Regional Office - Aquifer Protection Section  
Technical Assistance and Certification Unit  
APS Central Files (WQ0023616)  
Notebook Files

**NORTH CAROLINA**  
**ENVIRONMENTAL MANAGEMENT COMMISSION**  
**DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**  
**RALEIGH**  
**SINGLE FAMILY RESIDENCE SURFACE IRRIGATION PERMIT**

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In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended, and other applicable Laws, Rules, and Regulations

PERMISSION IS HEREBY GRANTED TO

**Thomas and Linda Bennett**  
Chatham County

FOR THE

continued operation of a 480 gallon per day (GPD) surface irrigation wastewater treatment and disposal system consisting of a 1,250 gallon baffled septic tank with effluent filter; a gravity dosed peat biofilter with submersible collecting bottom; a tablet chlorination (minimum contact time of 30 minutes in the chlorination and in the pump/storage tank); a 3,500 gallon baffled pump/storage tank, a 14 gallon per minute (gpm) pump, with audible and visual high water alarms and an automatic rain shutoff device; an 8,044 square foot drip irrigation area divided into three zones with 1,341 linear feet of tubing per zone with 0.53 gallon per hour (GPH) pressure compensated emitters, with a two foot spacing of emitters along the tubing and a two foot spacing between rows of tubing; and all associated piping and appurtenances with no discharge of wastes to the surface waters, to serve the Thomas and Linda Bennett residence located at 240 Ever After Lane, Apex, NC 27523, pursuant to the application received March 27, 2009, and in conformity with the project plan, specifications, and other supporting data subsequently filed and approved by the Department of Environment and Natural Resources and considered a part of this permit.

This permit shall be effective from the date of issuance until April 30, 2014, shall void Permit No. WQ0023616 issued September 9, 2004, and shall be subject to the following specified conditions and limitations:

**I. PERFORMANCE STANDARDS**

1. The irrigation facilities shall be effectively maintained and operated at all times so that there is no discharge to surface waters, nor any contamination of ground waters, which will render them unsatisfactory for normal use. In the event that the facilities fail to perform satisfactorily, including the creation of nuisance conditions or failure of the irrigation area to adequately assimilate the wastewater, the Permittee shall take immediate corrective actions including those actions that may be required by the Division of Water Quality, such as the construction of additional or replacement wastewater treatment and disposal facilities.
2. The issuance of this permit shall not relieve the Permittee of the responsibility for damages to surface or ground waters resulting from the operation of this facility.
3. The residuals generated from these treatment facilities must be disposed in accordance with General Statute 143-215.1 and in a manner approved by the Division.

4. Diversion or bypassing of the untreated wastewater from the treatment facilities is prohibited.
5. The following set-backs shall be maintained:
  - a. 100 feet between wetted area and any residence or places of public assembly under separate ownership,
  - b. 50 feet between wetted area and property lines,
  - c. 100 feet between wetted area and wells,
  - d. 50 feet between wetted area and drainage ways or surface water bodies,
  - e. 50 feet between wetted area and public right of ways,
  - f. 100 feet between treatment/storage units and any wells,
  - g. 50 feet between treatment units and property lines, and
  - h. 15 feet between wetted area and swimming pools.

Some of the set-backs specified above may not have been included in previous permits for this waste treatment and disposal system. These set-backs are not intended to prohibit or prevent modifications, which are required by the Division, to improve performance of the existing treatment facility. These set-backs do, however, apply to modifications of the treatment and disposal facilities that are for the purpose of increasing the flow that is tributary to the facility. These set-backs do apply to any expansion or modification of the surface irrigation areas and apply in instances in which the sale of property would cause any of the set-backs now complied with, for the treatment and disposal facilities, to be violated. The applicant is advised that any modifications to the existing facilities will require a permit modification.

6. The pump tank(s) shall have functional audible and visual high water alarms that are external to any structure.
7. The disposal system shall be connected to a rain or moisture sensor that shall indicate when wastewater application is not appropriate in accordance with Condition II(4).

## **II. OPERATION AND MAINTENANCE REQUIREMENTS**

1. The facilities shall be properly maintained and operated at all times.
2. Upon classification of the wastewater treatment and surface irrigation facilities by the Water Pollution Control System Operators Certification Commission (WPCSOCC), the Permittee shall designate and employ a certified operator to be in responsible charge (ORC) and one or more certified operator(s) to be back-up ORC(s) of the facilities in accordance with 15A NCAC 8G .0201. The ORC shall visit the facilities in accordance with 15A NCAC 8G .0204 or as specified in this permit and shall comply with all other conditions specified in these rules.
3. A suitable year round vegetative cover shall be maintained.
4. Irrigation shall not be performed during inclement weather or when the ground is in a condition that will cause runoff.
5. Adequate measures shall be taken to prevent wastewater runoff from the irrigation field.
6. The application rate shall not exceed a cumulative loading of 36.4 inches over any twelve (12) month period at an instantaneous application rate not to exceed 0.25 inches per hour.
7. The facilities shall be effectively maintained and operated as a non-discharge system to prevent the discharge of any wastewater resulting from the operation of this facility.
8. No type of wastewater other than that from the Thomas and Linda Bennett residence shall be emitted onto the irrigation area.

9. No traffic or equipment shall be allowed on the disposal area except while installation occurs or while normal maintenance is being performed.
10. Drip irrigation lines shall not be buried more than 2-4 inches below the surface of the mulch to enhance evaporation potential
11. The irrigation field shall be fenced with at least a two-strand wire fence.
12. Wastewater treatment units open to the atmosphere shall have restricted access and pump control panels shall be locked.
13. The Permittee is responsible for the operation and maintenance of the entire treatment and disposal system including, but not limited to, the following items:
  - a. The septic tank shall be checked annually and pumped out as needed. The septic tank effluent filter shall be checked and cleaned at the same frequency of the septic tank.
  - b. The peat biofilter shall be inspected and maintained in accordance with the manufacturer's operation and maintenance procedures. As a part of the purchase of the filter, there is a maintenance contract with Premier Tech (the biofilter manufacturer) to provide annual media inspections for seven years. At the end of the seven-year period the owner shall replace the peat media and sign a new maintenance agreement. The storage, pump, and alarm systems shall be inspected monthly. The scum layer shall be removed at the same interval as the septic tank is cleaned out.
  - c. The system shall be inspected monthly to make certain of the proper operation of the drip line, that the vegetative growth allows a proper drip pattern, that the soil is assimilating the disposed treated wastewater with no surface runoff, and that no objectionable odors are being generated.

### **III. MONITORING AND REPORTING REQUIREMENTS**

1. Any monitoring deemed necessary by the Division to insure surface and ground water protection will be established and an acceptable sampling reporting schedule shall be followed.
2. The Permittee shall maintain records of all maintenance performed on the system and irrigation area, as required in Condition II(12) for a minimum of five years. This information shall be provided to the Division upon request.
3. Noncompliance Notification:

The Permittee shall report by telephone to the Raleigh Regional Office, telephone number (919) 791-4200, as soon as possible, but in no case more than 24 hours or on the next working day following the occurrence or first knowledge of the occurrence of any of the following:

- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater treatment, such as mechanical or electrical failures of pumps, drip heads, etc.; or
- b. Any failure of a pumping station or treatment facility resulting in a by-pass directly to receiving waters without treatment of all or any portion of the influent to such station or facility.

Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting such occurrences by telephone shall also file a written report in letterform within five (5) days

following first knowledge of the occurrence. This report must outline the actions taken or proposed to be taken to ensure that the problem does not recur.

#### **IV. INSPECTIONS**

1. Adequate inspection, maintenance, and cleaning shall be provided by the Permittee to insure proper operation of the subject facilities.
2. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises or place on or related to the disposal site or facility at any reasonable time for the purpose of determining compliance with this permit, may inspect or copy any records that must be maintained under the terms and conditions of this permit, and may obtain samples of groundwater, surface water, or leachate.


#### **V. GENERAL CONDITIONS**

1. This permit shall become void unless the facilities are constructed in accordance with the conditions of this permit, the approved plans and specifications, and other supporting data.
2. This permit is effective only with respect to the nature and volume of wastes described in the application and other supporting data.
3. This permit is not transferable. In the event there is a desire for the facilities to change ownership, or there is a name change of the Permittee, a formal permit request must be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request will be considered on its merits and may or may not be approved.
4. Upon the availability of a municipal or regional sewerage collection system, the subject wastewater treatment facilities shall be abandoned and all wastewater discharged into the municipal or regional sewerage system.
5. Failure to abide by the conditions and limitations contained in this permit may subject the Permittee to an enforcement action by the Division in accordance with North Carolina General Statute 143-215.6A to 143-215.6C.
6. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances, which may be imposed by other government agencies (local, state, and federal), which have jurisdiction.
7. This permit may be revoked if the Permittee fails to abide by the conditions of the "Operation and Maintenance Agreement" previously signed by the Permittee.
8. The Permittee shall retain a set of approved plans, specifications of the subject facility for the life of the project.
9. The Permittee shall pay the annual administering and compliance fee within 30 days of being billed by the Division. Failure to pay the fee accordingly may cause the Division to initiate action to revoke this permit as specified by 15A NCAC 2T .0105(e)(3).
10. The Permittee, at least six (6) months prior to the expiration of this permit, shall request its extension. Upon receipt of the request, the Commission will review the adequacy of the facilities described therein, and if warranted, will extend the Permit for such period of time and under such conditions and limitations, as it may deem appropriate.

Permit issued this the 31<sup>st</sup> day of May, 2009

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION



 Coleen H. Sullins, Director  
Division of Water Quality  
By Authority of the Environmental Management Commission

**Permit Number WQ0023616**

**OPERATION AND MAINTENANCE AGREEMENT  
SINGLE FAMILY RESIDENCE SURFACE IRRIGATION SYSTEM  
DIVISION OF WATER QUALITY**

Property Owner(s) (as appearing on the property deed): THOMAS & LINDA BENNETT

Mailing Address: 240 EVER AFTER LN, APOK 27523

Facility Address (if different than above): \_\_\_\_\_

Disposal Method:       SPRAY IRRIGATION       DRIP IRRIGATION (Check One)

County: CHATHAM

Permit No. W90023016

I/We agree to operate and maintain the wastewater treatment system as follows:

1. The Permittee is responsible for the operation and maintenance of the entire treatment and disposal system including, but not limited to, the following items:
  - a. The septic tank shall be checked annually and pumped out as needed. The effluent filter shall be checked and cleaned at the same frequency of the septic tank.
  - b. The sand filter surface shall be raked and leveled every six (6) months and any vegetative growth shall be removed by hand [*accessible sand filters only*].
  - c. Check one:
    - The tablet chlorinator shall be checked every week. Tablets shall be added so as to provide proper chlorination.
    - The ultraviolet disinfection unit shall be checked every week. The lamp shall be cleaned and/or replaced to ensure proper disinfection.
  - d. The storage, pump, and alarm systems shall be inspected monthly. The scum layer shall be removed at the same time interval as the septic tank is pumped out.
  - e. The irrigation system shall be inspected monthly to make certain of proper operation, that vegetative growth does not interfere with the system inspection or operation, that the soil is assimilating the disposed treated wastewater with no surface runoff, and that no objectionable odors are being generated.
2. Failure of the Permittee to properly operate this system is subject to a penalty up to \$25,000 per day.
3. Failure to meet the permit conditions or violation of the State's surface or groundwater regulations will require evacuating the dwelling and may void the permit.

**NOTE: All persons (owners) appearing on the legally registered property deed must sign this O&M Agreement**

I/We understand the above requirements and agree to these terms as part of the issued permit.

Owner(s) Signature(s): [Signature]

Date: 3/18/09

Owner(s) Signature(s): Linda H. Bennett

Date: 3/18/09



nh

Michael F. Easley, Governor

William G. Ross Jr., Secretary  
North Carolina Department of Environment and Natural Resources

Alan W. Klimek, P. E., Director  
Coleen H. Sullins, Deputy Director  
Division of Water Quality

September 9, 2004

Hindes-Bennett Development Co.  
117 John Horton Rd.  
Apex, NC 27523

Subject: Permit No. WQ0023616  
Single Family Residence  
Surface Irrigation Facility  
Chatham County

Dear Mr. Bennett and Mr. Hindes:

In accordance with your permit application request received February 13, 2004 and additional information received June 24, 2004, and again on September 9, 2004, we are forwarding herewith Permit No. WQ0023616, dated August 31, 2004, to Hindes-Bennett Development Co. for the construction and operation of the subject single family wastewater treatment and surface irrigation facilities.

This permit shall be effective from the date of issuance until August 31, 2009, and shall be subject to the conditions and limitations as specified therein. Please pay particular attention to the monitoring requirements in this permit. Failure to establish an adequate system for collecting and maintaining the required operational information will result in future compliance problems.

If any parts, requirements, or limitations contained in this permit are unacceptable, you have the right to request an adjudicatory hearing upon written request within thirty (30) days following receipt of this permit. This request must be in the form of a written petition, conforming to Chapter 150B of the North Carolina General Statutes, and filed with the Office of Administrative Hearings, 6714 Mail Service Center, Raleigh, NC 27699-6714. Unless such demands are made this permit shall be final and binding.

One set of approved plans and specifications is being forwarded to you. If you need additional information concerning this matter, please contact Michelle McKay at (919) 715-6187.

Sincerely,

*Nathan D. Sturdy*  
for Alan W. Klimek, P. E.

cc: Chatham County Health Department  
Raleigh Regional Office, Water Quality Section  
Technical Assistance and Certification Unit  
Diehl & Phillips, P.A.  
Water Quality Central Files  
NDPU Files



**NORTH CAROLINA**  
**ENVIRONMENTAL MANAGEMENT COMMISSION**  
**DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**  
**RALEIGH**  
**SINGLE FAMILY RESIDENCE SURFACE IRRIGATION PERMIT**

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In accordance with the provisions of Article 21 of Chapter 143, General Statutes of North Carolina as amended,  
and other applicable Laws, Rules, and Regulations

PERMISSION IS HEREBY GRANTED TO

**Hindes-Bennett Development Co.**  
Chatham County

FOR THE

construction and operation of a 480 gallon per day (GPD) surface irrigation wastewater treatment and disposal system consisting of a 1,250 gallon baffled septic tank with effluent filter; a gravity dosed peat biofilter with submersible collecting bottom; a tablet chlorination (minimum contact time of 30 minutes in the chlorination and in the pump/storage tank); a 3,500 gallon baffled pump/storage tank, a 14 gallon per minute (gpm) pump, with audible and visual high water alarms and an automatic rain shutoff device; an 8,044 square foot drip irrigation area divided into three zones with 1,341 linear feet of tubing per zone with 0.53 gallon per hour (GPH) pressure compensated emitters, with a two foot spacing of emitters along the tubing and a two foot spacing between rows of tubing; and all associated piping and appurtenances with no discharge of wastes to the surface waters, to serve the Bennett residence, pursuant to the application received February 13, 2004, and in conformity with the project plan, specifications, and other supporting data subsequently filed and approved by the Department of Environment and Natural Resources and considered a part of this permit.

This permit shall be effective from the date of issuance until August 31, 2009 and shall be subject to the following specified conditions and limitations:

**I. PERFORMANCE STANDARDS**

1. Upon completion of construction and prior to operation of this permitted facility, a certification must be received from a professional engineer certifying that the permitted facility has been installed in accordance with this permit, the approved plans and specifications, and other supporting materials. If this project is to be completed in phases and partially certified, you shall retain the responsibility to track further construction approved under the same permit, and shall provide a final certificate of completion once the entire project has been completed. Mail the Certification to the Non-Discharge Permitting Unit, 1617 Mail Service Center, Raleigh, NC 27699-1617.
2. The Raleigh Regional Office, telephone number , shall be notified at least forty-eight (48) hours in advance of operation of the installed facilities so that an in-place inspection can be made. Such notification to the regional supervisor shall be made during the normal office hours from 8:00 a.m. until 5:00 p.m. on Monday through Friday, excluding State Holidays.

3. The surface irrigation facilities shall be effectively maintained and operated at all times so that there is no discharge to surface waters, nor any contamination of ground waters which will render them unsatisfactory for normal use. In the event that the facilities fail to perform satisfactorily, including the creation of nuisance conditions or failure of the irrigation area to adequately assimilate the wastewater, the Permittee shall take immediate corrective actions including those actions that may be required by the Division of Water Quality (Division), such as the construction of additional or replacement wastewater treatment and disposal facilities.
4. The issuance of this permit shall not relieve the Permittee of the responsibility for damages to surface or ground waters resulting from the operation of this facility.
5. A leakage test shall be performed on the septic tank and storage/pump tank(s) to insure that any exfiltration occurs at a rate which does not exceed twenty (20) gallons per twenty-four (24) hours per 1,000 gallons of tank capacity. The Engineer's Certification will serve as proof of compliance with this condition.
6. If excavation into bedrock is required for the installation of the septic tank or peat filter, the pit shall be lined with a 10-mil synthetic liner.
7. A sanitary tee and filter shall be installed on the effluent pipe of the septic tank. The Engineer's Certification will serve as evidence that these specifications have been met.
8. The residuals generated from these treatment facilities must be disposed in accordance with General Statute 143-215.1 and in a manner approved by the Division.
9. Diversion or bypassing of the untreated wastewater from the treatment facilities is prohibited.
10. The following buffers shall be maintained:
  - a. 100 feet between wetted area and any residence or places of public assembly under separate ownership,
  - b. 50 feet between wetted area and property lines,
  - c. 100 feet between wetted area and wells,
  - d. 50 feet between wetted area and drainage ways or surface water bodies,
  - e. 50 feet between wetted area and public right of ways,
  - f. 100 feet between treatment/storage units and any wells, and
  - g. 50 feet between treatment units and property lines.
11. The pump tank(s) shall have functional audible and visual high water alarms that are external to any structure.
12. The disposal system shall be connected to a rain or moisture sensor that shall indicate when wastewater application is not appropriate in accordance with Condition II(4).

## **II. OPERATION AND MAINTENANCE REQUIREMENTS**

1. The facilities shall be properly maintained and operated at all times.
2. Upon classification of the wastewater treatment and surface irrigation facilities by the Water Pollution Control System Operators Certification Commission (WPCSOCC), the Permittee shall designate and employ a certified operator to be in responsible charge (ORC) and one or more certified operator(s) to be back-up ORC(s) of the facilities in accordance with 15A NCAC 8G .0201. The ORC shall visit the facilities in accordance with 15A NCAC 8G .0204 or as specified in this permit and shall comply with all other conditions specified in these rules.
3. A suitable year round vegetative cover shall be maintained.

4. Irrigation shall not be performed during inclement weather or when the ground is in a condition that will cause runoff.
5. Adequate measures shall be taken to prevent wastewater runoff from the irrigation field.
6. The application rate shall not exceed a cumulative loading of 36.4 inches over any twelve (12) month period at an instantaneous application rate not to exceed 0.25 inches per hour.
7. The facilities shall be effectively maintained and operated as a non-discharge system to prevent the discharge of any wastewater resulting from the operation of this facility.
8. No type of wastewater other than that from the Bennett residence shall be emitted onto the irrigation area.
9. No traffic or equipment shall be allowed on the disposal area except while installation occurs or while normal maintenance is being performed.
10. The irrigation field shall be fenced with at least a two-strand wire fence.
11. Wastewater treatment units open to the atmosphere shall have restricted access and pump control panels shall be locked.
12. The Permittee is responsible for the operation and maintenance of the entire treatment and disposal system including, but not limited to, the following items:
  - a. The septic tank shall be checked annually and pumped out as needed. The septic tank effluent filter shall be checked and cleaned at the same frequency of the septic tank.
  - b. The peat biofilter shall be inspected and maintained in accordance with the manufacturer's operation and maintenance procedures. As a part of the purchase of the filter, there is a maintenance contract with Premier Tech (the biofilter manufacturer) to provide annual media inspections for seven years. At the end of the seven-year period the owner shall replace the peat media and sign a new maintenance agreement. The storage, pump, and alarm systems shall be inspected monthly. The scum layer shall be removed at the same interval as the septic tank is cleaned out.
  - c. The system shall be inspected monthly to make certain of the proper operation of the drip line, that the vegetative growth allows a proper drip pattern, that the soil is assimilating the disposed treated wastewater with no surface runoff, and that no objectionable odors are being generated.

### **III. MONITORING AND REPORTING REQUIREMENTS**

1. Any monitoring deemed necessary by the Division to insure surface and ground water protection will be established and an acceptable sampling reporting schedule shall be followed.
2. The Permittee shall maintain records of all maintenance performed on the system and irrigation area, as required in Condition II(12) for a minimum of five years. This information shall be provided to the Division upon request.

3. **Noncompliance Notification:**

The Permittee shall report by telephone to the Raleigh Regional Office, telephone number , as soon as possible, but in no case more than 24 hours or on the next working day following the occurrence or first knowledge of the occurrence of any of the following:

- a. Any process unit failure, due to known or unknown reasons, that renders the facility incapable of adequate wastewater treatment, such as mechanical or electrical failures of pumps, emitters, etc.; or
- b. Any failure of a pumping station or treatment facility resulting in a by-pass directly to receiving waters without treatment of all or any portion of the influent to such station or facility.

Occurrences outside normal business hours may also be reported to the Division's Emergency Response personnel at telephone number (800) 858-0368 or (919) 733-3300. Persons reporting such occurrences by telephone shall also file a written report in letterform within five (5) days following first knowledge of the occurrence. This report must outline the actions taken or proposed to be taken to ensure that the problem does not recur.

**IV. INSPECTIONS**

1. Adequate inspection, maintenance, and cleaning shall be provided by the Permittee to insure proper operation of the subject facilities.
2. Any duly authorized officer, employee, or representative of the Division may, upon presentation of credentials, enter and inspect any property, premises or place on or related to the disposal site or facility at any reasonable time for the purpose of determining compliance with this permit, may inspect or copy any records that must be maintained under the terms and conditions of this permit, and may obtain samples of groundwater, surface water, or leachate.

**V. GENERAL CONDITIONS**

1. This permit shall become void unless the facilities are constructed in accordance with the conditions of this permit, the approved plans and specifications, and other supporting data.
2. This permit is effective only with respect to the nature and volume of wastes described in the application and other supporting data.
3. This permit is not transferable. In the event there is a desire for the facilities to change ownership, or there is a name change of the Permittee, a formal permit request must be submitted to the Division accompanied by documentation from the parties involved, and other supporting materials as may be appropriate. The approval of this request will be considered on its merits and may or may not be approved.
4. Upon the availability of a municipal or regional sewerage collection system, the subject wastewater treatment facilities shall be abandoned and all wastewater discharged into the municipal or regional sewerage system.
5. Failure to abide by the conditions and limitations contained in this permit may subject the Permittee to an enforcement action by the Division in accordance with North Carolina General Statute 143-215.6A to 143-215.6C.
6. The issuance of this permit does not preclude the Permittee from complying with any and all statutes, rules, regulations, or ordinances which may be imposed by other government agencies (local, state, and federal) which have jurisdiction.

7. This permit may be revoked if the Permittee fails to abide by the conditions of the "Operation and Maintenance Agreement" previously signed by the Permittee.
8. A set of approved plans, specifications and operation and maintenance manual for the subject project must be retained by the Permittee for the life of the project.
9. The annual administering and compliance fee must be paid by the Permittee within 30 days after being billed by the Division. Failure to pay the fee accordingly may cause the Division to initiate action to revoke this permit as specified by 15A NCAC 2H .0205 (c)(4).
10. The Permittee, at least six (6) months prior to the expiration of this permit, shall request its extension. Upon receipt of the request, the Commission will review the adequacy of the facilities described therein, and if warranted, will extend the Permit for such period of time and under such conditions and limitations, as it may deem appropriate.

Permit issued this the 9<sup>th</sup> day of September, 2004

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION

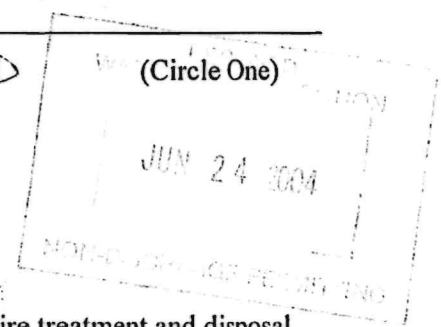
  
for Alan W. Klimek, P.E., Director  
Division of Water Quality  
By Authority of the Environmental Management Commission

**Permit Number WQ0023616**



**OPERATION AND MAINTENANCE AGREEMENT  
SINGLE FAMILY RESIDENCE WASTEWATER TREATMENT SYSTEM  
DIVISION OF WATER QUALITY**

Owner: HINDES-BENNETT DEVELOPMENT Co.  
Address: 117 JOHN HORTON ROAD  
Disposal Method: SPRAY IRRIGATION      DRIP IRRIGATION (Circle One)  
County: CHATHAM  
Permit No. WQ0023616



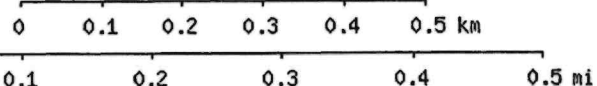
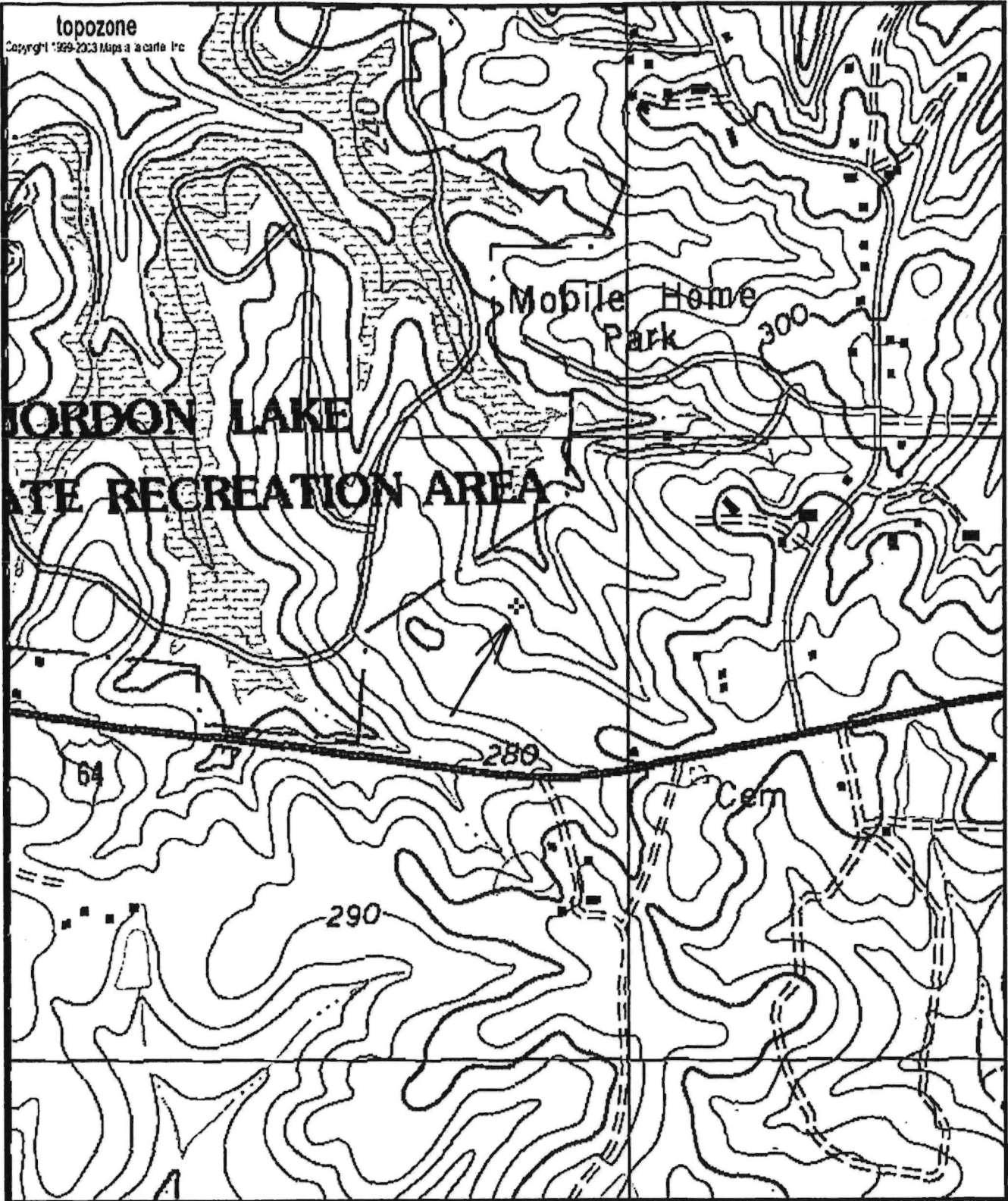
I agree to operate and maintain the wastewater treatment system as follows:

- 1) The Permittee is responsible for the operation and maintenance of the entire treatment and disposal system including, but not limited to, the following items:
  - a) The septic tank shall be checked annually and pumped out as needed. The effluent filter shall be checked and cleaned at the same frequency of the septic tank.
  - b) [Open access sand filters only] The sand filter surface shall be raked and leveled every six (6) months and any vegetative growth shall be removed by hand.
  - c) Check one:
    - The tablet chlorinator shall be checked every week. Tablets shall be added so as to provide proper chlorination.
    - The ultraviolet disinfection unit shall be checked every week. The lamp shall be cleaned and/or replaced to ensure proper disinfection.
  - d) The storage, pump, and alarm systems shall be inspected monthly. The scum layer shall be removed at the same time interval as the septic tank is pumped out.
  - e) The irrigation system shall be inspected monthly to make certain of proper operation, that vegetative growth does not interfere with the system inspection or operation, that the soil is assimilating the disposed treated wastewater with no surface runoff, and that no objectionable odors are being generated.
- 2) Failure of the Permittee to properly operate this system is subject to a penalty up to \$25,000 per day.
- 3) Failure to meet the permit conditions or violation of the State's surface or groundwater regulations will require evacuating the dwelling and may void the permit.

I understand the above requirements and agree to these terms as part of the issued permit.

Owner Signature: [Signature]  
Notary Signature: [Signature]  
Date: 6/24/04      Commission Expiration: 11/16/2006





Map center is 35° 44' 16"N, 78° 59' 22"W (WGS84/NAD83)  
 New Hill quadrangle E 23 NW  
 Projection is UTM Zone 17 NAD83 Datum

M\*  
 G  
 M=-8.546  
 G=1.175

Tom & Linda Bennett  
 Chatham County

WQ0023616