





North Carolina Department of Environment and Natural Resources

Division of Water Quality

Beverly Eaves Perdue  
Governor

Coleen H. Sullins  
Director

Dee Freeman  
Secretary

February 22, 2010

Richard Mann – Vice Chancellor for Finance and Administration  
The University of North Carolina at Chapel Hill  
302 South Building CB# 1000  
Chapel Hill, North Carolina 27599-1000

Subject: Permit No. WQ0034607  
UNC-Chapel Hill Bingham Facility  
Pump and Haul  
Orange County

Dear Mr. Mann:

In accordance with your application received on February 19, 2010, we are forwarding herewith Permit No. WQ0034607, which is dated February 22, 2010, to The University of North Carolina at Chapel Hill for the operation of the subject wastewater pump and haul activities.

This permit shall be effective from the date of issuance until August 23, 2010, 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.

If you have any questions regarding this matter, please feel free to contact Matthew Fleahman at (919) 791-4200, or via e-mail at: [matthew.fleahman@ncdenr.gov](mailto:matthew.fleahman@ncdenr.gov)

Sincerely,



for Coleen H. Sullins

cc: Orange County Health Department  
Jon Risgaard - Aquifer Protection Section, Land Application Unit  
Keith Larrick – Aquifer Protection Section, Animal Feedlot Unit  
Don Safrin – McKim&Creed, 1730 Varsity Drive, Suite 500, Raleigh, NC 27606  
APS Central Files  
RRO-APS Files

Aquifer Protection Section  
1628 Mail Service Center, Raleigh, North Carolina 27699-1628  
Location: 3800 Barrett Dr., Raleigh, North Carolina 27609  
Phone: 919-791-4200 \ FAX: 919-571-4718 \ Customer Service: 1-877-623-6748  
Internet: [www.ncwaterquality.org](http://www.ncwaterquality.org)  
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**NORTH CAROLINA**  
**ENVIRONMENTAL MANAGEMENT COMMISSION**  
**DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**  
**RALEIGH**  
**PUMP AND HAUL 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

**University of North Carolina at Chapel Hill**  
Orange County

FOR THE

Construction of a two (2) inch diameter PVC force main to connect both the Domestic wastewater system and Animal wastewater system influent lines, and all associated piping, valves, controls, and appurtenances; and

operation of a wastewater pump and haul activity that will result in the pumping and hauling of approximately 110,000 gallons of treated effluent water from three storage ponds and approximately 3,500 GPD (gallons per day) of untreated wastewater from the Domestic wastewater system and the Animal wastewater system in Orange County. Wastewater will be pumped from the existing flow equalization basin and hauled to the Orange County Water and Sewer Authority (OWASA) – Mason Farm Wastewater Treatment facility for treatment and disposal, pursuant to the application received on February 19, 2010, 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 23, 2010, and shall be subject to the following specified conditions and limitations:

- I. **SCHEDULES** [please review the entire permit for reporting, monitoring, and other on-going activities]
1. Upon completion of construction and prior to operation of this permitted facility, a certification (see attached form) 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 as applicable. Mail the Certification to the Aquifer Protection Section, Division of Water Quality, 1636 Mail Service Center, Raleigh, NC 27699-1636.
  2. The Raleigh Regional Office, telephone number (919) 791-4200 shall be notified at least forty-eight (48) hours in advance (excluding weekends and holidays) 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.

## **II. PERFORMANCE STANDARDS**

1. This permit shall become voidable unless the subject pump and haul activities are carried out in a manner which has been approved by this Division.
2. This permit is effective only with respect to the nature and volume of wastes described in the application and other supporting data.
3. The facilities shall be properly maintained and operated at all times.
4. This permit is not transferable. In the event that 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 of Water Quality, accompanied by an application fee, 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.
5. No type of wastewater other than the approximately 110,000 gallons of treated effluent water from three storage ponds and approximately 3,500 GPD (gallons per day) of untreated wastewater from the Domestic wastewater system and the Animal wastewater system in Orange County shall be included in these pump and haul activities.
7. This permit shall become voidable unless the agreement between the Permittee and OWASA – Mason Farm Wastewater Treatment Facility for the collection, transportation, and ultimate disposal of the wastewater is in full force and effect.
8. In the event that the facilities fail to perform satisfactorily, including the creation of nuisance conditions, the Permittee shall cease operation of all pump and haul activities and take such immediate corrective action as may be required by this Division.
9. The sewage and wastewater collected by this system shall be treated in the OWASA – Mason Farm Wastewater Treatment Facility prior to being discharged into the receiving stream.
10. The Permittee is liable for any damages caused by a spill or failure of the pump and haul operations.
11. Adequate inspection, maintenance, and cleaning shall be provided by the Permittee to insure proper operation of the subject facilities.
12. The Permittee or his designee shall inspect the pump and haul collection facilities to prevent malfunctions and deterioration, operator errors, and discharges which may cause or lead to the release of wastes to the environment, a threat to human health, or a nuisance.
13. The Permittee shall keep an inspection log or summary including at least the date and time of inspection, observations made, and any maintenance, repairs, or corrective actions taken by the Permittee.

**These records shall be submitted monthly (by the 10th of the following month) to the Raleigh Regional Office, Aquifer Protection Supervisor, Department of Environment and Natural Resources, 1628 Mail Service Center, Raleigh, NC 27699-1628.**

14. Any duly authorized officer, employee, or representative of the Division of Water Quality may, upon presentation of credentials, enter and inspect any property, premises, or place on or related to the pump and haul collection facilities 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.

15. An accurate record of the monthly pump and haul activities must be maintained by the Permittee, indicating:
  - a) date wastewater is removed from the facility,
  - b) name of facility from which wastewater is removed,
  - c) name of facility receiving wastewater,
  - d) volume of wastewater removed, and
  - e) **status/update on the permanent disposal option.**

**These records shall be submitted monthly (by the 10th of the following month) to the Raleigh Regional Office, Aquifer Protection Supervisor, Department of Environment and Natural Resources, 1628 Mail Service Center, Raleigh, NC 27699-1628.**

16. Failure to abide by the conditions and limitations contained in this permit may subject the Permittee to an enforcement action by the Division of Water Quality in accordance with North Carolina General Statute 143-215.6.
17. 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.

**18. 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 twenty-four (24) hours or on the next working day following the occurrence or first knowledge of the occurrence of any of the following:

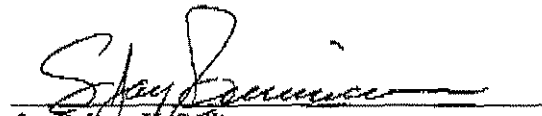
- a. Any process unit failure, due to known or unknown reasons, that render the facility incapable of adequate wastewater treatment such as mechanical or electrical failures of pumps, aerators, compressors, etc.
- b. Any failure of a pumping station, sewer line, etc., resulting in a by-pass directly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

Persons reporting such occurrences by telephone shall also file a written report in letter form 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

19. The facilities associated with the pump and haul activities shall be inspected and pumped as often as necessary to prevent malfunctions, overflows, or nuisances.
20. When these pump and haul activities are no longer necessary, the University of North Carolina at Chapel Hill shall provide the Division's Raleigh Regional Office Aquifer Protection Supervisor with a written explanation of why the pump and haul activities are no longer necessary and a request that this permit be voided.

Permit issued this the February 22, 2010.

NORTH CAROLINA ENVIRONMENTAL MANAGEMENT COMMISSION



for Coleen H. Sallins  
Division of Water Quality

By Authority of the Environmental Management Commission

Permit No. WQ0034607

Permit No. WQ0034607  
University of North Carolina at Chapel Hill  
UNC-Chapel Hill Bingham Facility

Pump and Haul  
February 22, 2010  
Orange County

**ENGINEERING CERTIFICATION**

Partial       Final

In accordance with 15A NCAC 02T .0116, I, \_\_\_\_\_, as a duly registered Professional Engineer in the State of North Carolina, having the Permittee's authorization to  periodically  weekly  fully observe the construction of the permitted facility, hereby state to the best of my abilities that due care and diligence was used in the observation of the construction, such that the facility was built within substantial compliance and intent of this permit, the Division approved plans and specifications, and other supporting documentation.

Any variation to this permit, the Division approved plans and specifications, and other supporting documentation has been documented in the attached as-built drawings, and shall serve as the Permittee's minor modification request to amend the permit accordingly.

Provide a brief narrative description of any variations: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Professional Engineer's Name			NC PE Seal, Signature & Date
Engineering Firm			
Mailing Address			
City	State	Zip	
Telephone	E-mail		

**THE COMPLETED ENGINEERING CERTIFICATION, INCLUDING ALL SUPPORTING INFORMATION AND MATERIALS, SHALL BE SENT TO THE FOLLOWING ADDRESS:  
NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES**

**DIVISION OF WATER QUALITY  
AQUIFER PROTECTION SECTION  
LAND APPLICATION UNIT**

By U.S. Postal Service:  
1636 MAIL SERVICE CENTER  
RALEIGH, NORTH CAROLINA 27699-1636

By Courier/Special Delivery:  
2728 CAPITAL BOULEVARD  
RALEIGH, NORTH CAROLINA 27604