

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

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 50-369 William B. McGuire Nuclear Station, Unit 1, Duke Powe 05000369  
 50-370 William B. McGuire Nuclear Station, Unit 2, Duke Powe 05000370  
 50-413 Catawba Nuclear Station, Unit 1, Duke Power Co. 05000413  
 50-414 Catawba Nuclear Station, Unit 2, Duke Power Co. 05000414

AUTH.NAME AUTHOR AFFILIATION  
 GROGAN, J.E. Duke Power Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 MOUBERRY, A. North Carolina, State of  
 OVERCASH, D. North Carolina, State of

SUBJECT: Requests renewal of NPDES Permit NC0026255 consisting of  
 0/020 MGD wastewater treatment facility & treatment facility  
 to treat water from fish aquariums, fish culture units &  
 aquatic lab. Fee paid.

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 [Signature]

Duke Power Company  
Wachovia Center  
P.O. Box 1007  
Charlotte, N.C. 28201-1007



**DUKE POWER**

December 2, 1991

CERTIFIED MAIL

Mr. Arthur Mouberry  
Permits and Engineering Unit  
Division of Environmental Management  
P. O. Box 29535  
Raleigh, North Carolina 27626-0535

ATTN: Mr. Dale Overcash, P.E.  
Supervisor, NPDES Permits Group

RE: Training and Technology Center  
NPDES Permit NC0026255 - Renewal  
File: MC 702.13

Dear Mr. Overcash:

We request renewal of NPDES Permit Number NC0026255 for the Duke Power Company Training and Technology Center; which consists of (1) a 0.020 MGD Wastewater Treatment Facility (OUTFALL 001); (2) discharge non-contact cooling water (OUTFALL 002); (3) a treatment facility to treat water from fish aquariums, fish culture units, and the aquatic laboratory (OUTFALL 003); and (4) discharge non-contact cooling water (OUTFALL 004). The Training and Technology Center is on NC Hwy. 73 in Mecklenburg Co.

No modifications have been done to the facility that should affect its CLASS II Status.

Please find enclosed triplicate copies of the application for renewal of the subject permit and a check for \$200.00 for the permit processing fee.

Allow me to thank you for your consideration and cooperation in the past as we await the renewal of our permit. Should you have any questions or desire additional information, please contact David H. Meacham at (704) 373-2028 or John R. Garrison at (704) 875-5216.

Sincerely,

James E. Grogan, Vice President  
Generation Services

DHM/NPDES.pmt

**Attachments**

xc: (w/attachments)  
Mr. Rex Gleason  
NC DEHNR  
Division of Environmental Management  
919 N. Main St.  
Mooresville, NC 28115

NRC Document Control Desk

John R. Garrison  
9112170392 911202  
PDR ADOCK 05000269  
P PDR

100125

*Pool*  
111

bc: (w/attachments)  
D.W. Phillips  
A.C. Baxter  
T.S. Carpenter

**NORTH CAROLINA DEPT. OF NATURAL RESOURCES AND COMMUNITY DEVELOPMENT  
ENVIRONMENTAL MANAGEMENT COMMISSION  
NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM  
APPLICATION FOR PERMIT TO DISCHARGE - SHORT FORM D**

To be filed only by services, wholesale and retail trade,  
and other commercial establishments including vessels

FOR  
AGENCY  
USE

APPLICATION NUMBER									
DATE RECEIVED									
YEAR		MO.		DAY					

Do not attempt to complete this form without reading the accompanying instructions

Please print or type

**1. Name, address, and telephone number of facility producing discharge**

A. Name Duke Power Training and Technology Center  
 B. Street address 13339 Hagers Ferry Road  
 C. City Huntersville D. State NC  
 E. County Mecklenburg F. ZIP 28078  
 G. Telephone No. 704 875-5216 John R. Garrison, Jr. - Operator in Charge  
 Area  
Code

2. SIC 

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(Leave blank)

3. Number of employees 400-500

4. Nature of business Training Facilities and Environmental Laboratories

5. (a) Check here if discharge occurs all year ☒ or

(b) Check the month(s) discharge occurs:

1. ☐ January 2. ☐ February 3. ☐ March 4. ☐ April 5. ☐ May  
 6. ☐ June 7. ☐ July 8. ☐ August 9. ☐ September 10. ☐ October  
 11. ☐ November 12. ☐ December

(c) How many days per week:

1. ☐ 1 2. ☐ 2-3 3. ☐ 4-5 4. ☒ 6-7

**6. Types of waste water discharged to surface waters only (check as applicable)**

Discharge per operating day	Flow, gallons per operating day					Volume treated before discharging (percent)				
	0.1-999 (1)	1000-4999 (2)	5000-9999 (3)	10,000- 49,999 (4)	50,000 or more (5)	None (6)	0.1- 29.9 (7)	30- 64.9 (8)	65- 94.9 (9)	95- 100 (10)
A. Sanitary, daily average				X						X
B. Cooling water, etc., daily average (cooling tower blowdown)		X				X				
C. Other discharge(s), daily average; Specify (aquariums/well water)		...	X			X				
D. Maximum per operat- ing day for combined discharge (all types)				X						

7. If any of the types of waste identified in item 6, either treated or untreated, are discharged to places other than surface waters, check below as applicable.

Waste water is discharged to:	0.1-999	1000-4999	5000-9999	10,000-49,999	50,000 or more
	(1)	(2)	(3)	(4)	(5)
A. Municipal sewer system	NA				
B. Underground well	NA				
C. Septic tank	NA				
D. Evaporation lagoon or pond	NA				
E. Other, specify:	NA				

8. Number of separate discharge points:

A. ☐ 1 B. ☐ 2-3 C. ☐ 4-5 D. ☒ 6 or more

9. Name of receiving water or waters Lake Norman, Catawba River Basin

10. Does your discharge contain or is it possible for your discharge to contain one or more of the following substances added as a result of your operations, activities, or processes: ammonia, cyanide, aluminum, beryllium, cadmium, chromium, copper, lead, mercury, nickel, selenium, zinc, phenols, oil and grease, and chlorine (residual).

A. ☒ yes B. ☐ no

I certify that I am familiar with the information contained in the application and that to the best of my knowledge and belief such information is true, complete, and accurate.

James E. Grogan  
Printed Name of Person Signing

Vice President, Generation Services  
Title

12/2/91  
Date Application Signed

James E. Grogan  
Signature of Applicant

North Carolina General Statute 143-215.6(b)(2) provides that: Any person who knowingly makes any false statement representation, or certification in any application, record, report, plan or other document files or required to be maintained under Article 21 or regulations of the Environmental Management Commission implementing that Article, or who falsifies, tampers with or knowingly renders inaccurate any recording or monitoring device or method required to be operated or maintained under Article 21 or regulations of the Environmental Management Commission implementing that Article, shall be guilty of a misdemeanor punishable by a fine not to exceed \$10,000, or by imprisonment not to exceed six months, or by both. (18 U.S.C. Section 1001 provides a punishment by a fine of not more than \$10,000 or imprisonment not more than 5 years, or both for a similar offense.)

**SLUDGE MANAGEMENT PLAN**  
NPDES Permit #NC0026255  
Training & Technology Center

Accumulation of sludge is minimal. Sludge removal due to maintenance has occurred once in 10 years of operation. Removal was not due to excessive accumulation.

Accumulated solids will be removed from the lagoon when needed to facilitate removal of non-biodegradable material and to optimize the treatment process. The sludge bottoms will be dewatered utilizing a filter press or other suitable method. The solids will be treated with lime and disposed of in a State approved landfill or landfarm. Alternative method of sludge disposal may also be utilized with state approval prior to disposal.