

## Biographical Data

Anthony Terrell (Terry) Rolan  
Director of Water Management

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*Date of Birth:* October 8, 1946 - Rome, Georgia

### EDUCATION

B.S. 1968                      Chemistry - Berry College, Mt. Berry, Georgia  
M.S.P.H. 1974                Environmental Chemistry and Biology, School of Public  
Health, University of North Carolina - Chapel Hill

### PROFESSIONAL RECORD

Line Officer - United States Navy Reserve Retired -Active Duty - 1969-1971  
Black, Crow, and Eidsness, Environmental Consulting Engineers, Montgomery, AL  
City of Durham, Division of Water Resources  
Sanitary Engineer I – Industrial Waste Control, December 1973 - June 1974  
Process Engineer - June 1974 through November 1974  
Sanitary Engineer II - Special Projects, Process Control & Development Section-  
November 1974 - February 1975  
Assistant Director - Division of Water Resources, February 1975 - May 1982  
Department of Water Resources  
Director - May 1982 to April 1998  
Environmental Resources Department  
Director - April 1998 to July 2004  
Department of Water Management  
Director-July 2004 to Present

### AWARDS

Outstanding Young Men of America, 1970  
Sigma XI - The Scientific Research Society, University of North Carolina Chapter, 1973  
Select Society of Sanitary Sludge Shovelers  
North Carolina-Charter Member, 1986  
Georgia-Honorary, 2002  
Missouri-Honorary, 2003  
George Warren Fuller Award, NC Section American Water Works Association  
Water Utility Man of the Year, 1990  
Arthur Sidney Bedell Award, North Carolina Water Pollution Control Association  
and the Water Environment Federation, 1993  
Honorary Member Award- American Water Works Association, 2000  
Distinguished Alumnus Award- Department of Environmental Sciences and

Engineering, School of Public Health, UNC Chapel Hill, 2000  
Life Member-American Water Works Association, 2002

#### PROFESSIONAL ACTIVITIES

##### American Water Works Association Experience

Member since 1972  
Sludge Disposal Committee  
Dependable Yield Committee  
Surface Water Committee  
Water Utility Council, 1990 to 1996  
    Vice-Chairman, 1993 - 1995  
    Regulatory Committee Chairman, 1992 -1993 and 1995 -1996  
Administrative and Policy Council, 1993-1995  
Total Water Management Task Force, Vice Chair, 1995- 1996  
Membership Committee, 1997 - 2000  
QualServe Peer Review Trained Team Leader - 1997  
Board of Directors, 2000 - 2003  
Strategic Planning Committee, 2001 - 2003  
Young Professionals Committee, 2001 - 2003, Committee Chair, 2002 – 2003  
Distinguished Public Service Award Committee, 2002 - 2005  
Vice President, 2001 – 2003  
President Elect, 2005-2006  
President, 2006-2007

##### Water Environment Federation (Water Pollution Control Federation) Experience

Member since 1972  
Task Force on Sludge Dewatering  
Board of Directors, 1991 - 1994  
USAID/USEPA Technical Exchange with Poland, 1993 & 1995  
American Water Works Association Research Foundation, Board of  
    Trustees, 1997 - 2000

##### Drinking Water Research Center, University of North Carolina - Chapel Hill, Steering Committee - 1998 to present

##### North Carolina Section of AWWA and Water Environment Association

Secretary – Treasurer, 1980 - 1982  
Trustee, 1983 - 1985  
Vice Chair, 1985 - 1986  
Chair Elect, 1986 - 1987  
Chairman, 1987 - 1988  
Past Chair, 1988 - 1989

##### North Piedmont Section of NC Water Works Operators Association

##### North Piedmont Section of NC Wastewater Treatment Plant Operators Association

##### The University of North Carolina Water Resources Research Institute, Research Advisory Committee, 1984 – Present

##### Environmental Task Force, Urban Consortium, Public Technology, Inc. 1988 - Present.

##### Durham Engineers' Club; President, 1987 – 1988

## CERTIFICATIONS

North Carolina Grade A Water Plant Operator Certificate #1604

North Carolina Grade IV Wastewater Treatment Plant Operator Certificate #2931

## PUBLICATIONS

1. A. T. Rolan and J. C. Brown, "Effect of Water Treatment Plant Sludge on the Treatment of Municipal Wastewater", Journal North Carolina Section, AWWA and WPCA, Vol. 49, No. 1, (1974).
2. A. T. Rolan and T. L. Bailey, "Evaluation of Water Plant Sludge Disposal Methods", Journal North Carolina Section AWWA and WPCA, Vol. 52, No. 1, (1977).
3. A. T. Rolan, "Determination of Design Loading for Sand Drying Beds", Journal North Carolina Section, AWWA and WPCA, Vol. 55, No. 1, (1980).
4. T. L. Bailey, M. A. Adcock and A. T. Rolan, "Manganese and Trihalomethane Control", Water Quality Research News, AWWA Research Foundation, No. 5, February, 1980.
5. R. L. Barrow, A. T. Rolan and J. S. Welch, "Improved Treatment Through Process Control", Water Engineering and Management, formerly Water and Sewage Works, January, 1981.
6. A. T. Rolan, "Natural Methods of Sludge Dewatering," Sludge Dewatering Manual of Practice, No. 20, Water Pollution Control Federation, Washington, D.C., Chapter 3, pp. 19-44, (1983).
7. A. T. Rolan, "Sand Drying Bed Pilot Evaluations and Design Methods", Fundamental Aspects of Sludge Characterization and Dewatering, P. Arne Vesilind, Editor, Engineering Foundation Conference, New England College, Henniker, New Hampshire, July 9-12, 1985.
8. A. T. Rolan, "Drying Bed Dewatering", Operation and Maintenance of Sludge Dewatering Systems, Manual of Practice No. OM-8, Water Pollution Control Federation, Washington, D.C., Chapter 12, pp. 211-230, (1985).
9. M. M. Bishop, A. T. Rolan, T. L. Bailey and D. A. Cornwell, "Testing of Alum Recovery for Solids Reduction and Reuse", Journal AWWA, Vol. 79, pp. 76-83, June, 1987.
10. A. T. Rolan, et al, "Roundtable Discussion-Sludge: The Disposal Dilemma," Journal AWWA, Vol. 79, p. 12, June 1987.
11. A. T. Rolan, "Sand Drying Beds", Handbook of Practice - Water Treatment Plant Waste Management, AWWA Research Foundation, Chapter 4, Section 10, pp. 295-320, June, 1987.
12. Hay M.M. Koppers, A. T. Rolan, Carel Vandermeijden, Nancy E. McTigue, Heinz A. Henke, Harald Martin, and Ruud F. van Nieuwenhuyze, "Advanced Treatment Technologies Slib, Schlamm, Sludge", Cooperative Research Report, AWWA Research Foundation and KIWA Ltd., Chapter 3, pp. 130-151, (1990).
13. A. T. Rolan, "How Will Interbasin Transfer Affect Our State?" Journal North Carolina Section AWWA and WPCA, Vol. 66, No. 1, (1991).