



David A. Cline, Jr.

Managing Associate



Sheppard T. Powell
Associates, LLC

EXPERIENCE

Managing Associate

1994-Present

Associate

1981-1993

Senior Engineer

1971-1981

EDUCATION

Loyola College

B.S. Chemistry

Taft Center (USEPA/OHIO)

Special Courses In Wastewater
Treatment

MEMBERSHIPS

Water Environment Federation

Since joining Sheppard T. Powell Associates, LLC, Mr. Cline has been involved in a number of projects concerning both water and wastewater treatment. His professional experience includes ecological studies related to power plants, supervision of sampling and analysis of water and wastewater, development of laboratory procedures relating to water analysis, design of industrial wastewater and sludge treatment facilities, startup of industrial wastewater treatment plants, design of industrial water treatment processes for the paper, chemical process and utility industries, and evaluation of and participation in chemical cleanings for utility-type boilers. He has conducted a number of training seminars and treatment and surveillance practice audits for utility and industrial clients and has assisted with overall plant chemistry control during initial startup of utility and cogeneration plants. Mr. Cline has conducted evaluations of water supply treatability for makeup to a number of cogeneration projects and has helped to formulate and evaluate cooling water treatment programs for utility and industrial applications.

He has provided various services to nuclear clients, including chemistry assistance during plant startup, performance of a study for redesign of a makeup treatment facility, and review of water treatment practices and chemistry data management approaches. Mr. Cline has been involved in a number of evaluations employing desalinization equipment to produce an acceptable water for reuse from wastewater in order to achieve zero liquid discharge and was a primary contributing author to the original and revised *Guidelines For Makeup Water Treatment*, prepared for the Electric Power Research Institute (EPRI).

Mr. Cline served as Supervisor Of Water Treatment And Pollution Control for the C&O-B&O Railroad Company before joining Sheppard T. Powell Associates, LLC. His original assignment with the Railroad was a laboratory evaluation of both the efficiency of industrial water-treating equipment and the quality of effluents. Later he was in charge of the Railroad's Industrial Water Treatment And Pollution Abatement Program, and therefore responsible for pollution surveys and the design of treatment processes for wastes containing oils and detergents.