

Appendix A

CURRICULUM VITAE (CV) FOR THOMAS C. VOLTAGGIO

Name: **Thomas C. Voltaggio**
Profession: **Chemical Engineer**
Date of Birth: **August 19, 1945**

Key Qualifications:

Profile

Thirty four plus years of comprehensive experience in multiple aspects of environmental management at the federal level, including executive level leadership, scientific and technical management, budgeting and analysis, enforcement and compliance, biological and chemical environmental emergency response, hazardous waste site cleanup, homeland security terrorism response processes and operations and information management and technology.

Six years as principal and sole member of Voltaggio Consulting, LLC, an independent environmental consulting company with diverse clients, specializing in hazardous waste cleanup.

Two years as a senior environmental advisor to Dawson and Associates, a Washington DC based government relations firm. Provide environmental consulting services to their clients. Principally involved in providing expertise and experience in providing paths forward with environmental agencies regarding sticking points in Superfund and other environmental remediation programs.

Demonstrated success in conducting environmental consultation and training to foreign governments in multiple aspects of environmental management, hazardous site cleanup, environmental emergency response and homeland security processes and operation.

Achievement Summary

Assisted several dozen clients over the past six years in achieving solutions to environmental and homeland security problems as an independent consultant. See www.voltaggioconsulting.com for detailed information regarding Voltaggio Consulting. Appointed by Governor Jon Corzine to the New Jersey Tidelands Resource Council and have served for over four years.

From its inception, and for more than 17 years, successfully directed the "Superfund" hazardous waste site cleanup program of the USEPA in the Middle Atlantic States through more than 500 complete cleanups by 1997. During this time, became a national expert and participated in legislative and regulatory development and national program planning.

Brought about dozens of resolutions of complex environmental issues in hazardous waste cleanup, air, and water fields with major corporations, state, local and federal governments through the use of detailed and profound knowledge of environmental programs and a well-developed skill in "getting to yes" environmental dispute resolution.

Managed the nation's largest biochemical terrorism response when EPA was called upon to clean up the Anthrax contamination on Capitol Hill in the fall of 2001. Interacted on a daily basis with the highest

levels of Agency and Congressional leadership. As a result, became the leading regional spokesperson for homeland security at EPA.

Education:

Texas Christian University, Fort Worth, TX - 1971

Master of Management Science

City College of New York, New York, NY - 1968

Bachelor of Chemical Engineering

Employment Record:

Voltaggio Consulting, LLC, Cherry Hill, NJ - 1/4/2006 – Present

In January of 2006, I formed a single-person consulting firm. I have assisted several dozen clients over the past six years in achieving solutions to environmental and homeland security problems as an independent consultant. Provided Superfund expert witness services to clients.

United State Environmental Protection Agency, Philadelphia, PA, Chicago, IL and Dallas, TX - 7/1/1971-1/3/2006

Most Recent EPA Experience:

- **Acting Regional Administrator - 1/2001 - 7/2001**
- **Deputy Regional Administrator - 7/1998 - 1/2001; 7/2001 - 1/2006**
- **Director, Hazardous Waste Management Division - 1/1991 - 6/1998**
- **Chief, Superfund Branch - 2/1981 -12/1990**

Employment Summary:

Directed all hazardous waste programs in the 6 state regional office of the USEPA. These included the Superfund, Brownfields, Resource Conservation and Recovery, Underground Storage Tank, Emergency Response and Oil Pollution programs. During this time, the Middle Atlantic region was a national leader in Superfund cleanup implementation, and was well known as having enlightened leadership regarding common sense solutions for difficult and complex waste cleanup problems with responsible parties, state and local governments, NGOs and citizens. Directed the Brownfield program from its infancy. Developed red tape cutting procedures to speed economic development throughout the region.

Was responsible for, and directly managed, every aspect of the US Superfund program in the Middle Atlantic region of EPA from 1981 through 1998. This included every Superfund site assessment, hazard ranking package, remedial investigation, feasibility study, record of decision, remedial design, remedial action, enforcement order and judicial referral that was performed during that period. From 1998 to 2006, as Deputy Regional Administrator, continued active involvement in particularly difficult or contentious Superfund projects. As a result of this experience, was called upon numerous times to consult with EPA Headquarters national program managers in national policy development and implementation. Utilized knowledge and experience of hazardous waste cleanup programs to provide assistance to foreign governments in the development of their hazardous site cleanup and Brownfields programs. These

consultations started in 1986 and have continued throughout the period. The countries assisted include Italy, Hungary, Poland, Czech Republic, India, Japan, Taiwan, South Africa and China. In 1988, spent two months in Italy developing an environmental waste cleanup program for the Italian government. Over several years in the mid-1990's, assisted the Czech government in developing a risk assessment and an alternatives analysis for the reclamation of an abandoned steel mill site. Provided other waste site reclamation consultations for the Hungarian and South African governments as described below.

Chronological EPA Career Highlights:

I joined the U.S. EPA in July of 1971, in the Region VI Dallas, Texas regional office as an engineer in the NPDES permit program. I was responsible for reviewing NPDES permit applications and preparing permits for issuance in the 5 states of Region VI.

In 1973, I relocated to the EPA's Region V Chicago regional office as the head of NPDES compliance and then as the Chief of the Engineering Section that was responsible for developing technical support for air pollution enforcement cases in the 6 states in Region V

In 1977, I relocated to the EPA's Region III Philadelphia regional office as the Chief of the Air Enforcement Branch. I was responsible for evaluating compliance information and preparing technical support for enforcement actions under the Clean Air Act to a wide range of air pollution sources in 5 states (including West Virginia) and the District of Columbia in Region III. I remained in Region III for the remainder of my EPA career.

From 1980 to 1983, I supervised the Hazardous Waste Enforcement effort, under a new program developed under RCRA 7003 to identify and clean up abandoned sites. Although the program started prior to the passage of CERCLA, the passage of the CERCLA resulted in the development of a Superfund response and enforcement program, which overtook this process.

In 1983, I became responsible for the implementation of the Superfund Remedial Program and was responsible for all Superfund remedial site identification, assessment, investigation design and cleanup.

In 1984, I became responsible for all Superfund response activities including emergency and remedial response. With the addition of the emergency response activities, I became responsible for overseeing all fund lead response actions in Region III.

In 1989, I became responsible for the entire Superfund Program, including all enforcement activities. With the addition of Superfund enforcement activities, I became responsible for all programmatic facets of the Superfund program, including fund lead response, cost recovery, PRP searches and enforcement actions under Superfund.

In January of 1991, I became Director of the Hazardous Waste Management Division responsible for all aspects of the Superfund, Resource Conservation and Recovery (RCRA), and Underground Storage Tank (UST) programs. With the addition of RCRA program responsibilities, I directed all programmatic aspects of the EPA hazardous waste management and remediation programs, supervising over 300 people, which was approximately 1/3 of the regional office positions.

In July of 1998, I became the Deputy Regional Administrator of EPA Region III. As the highest career executive, managed an annual budget of approximately \$700M and directed a staff of 900+ technical, administrative and legal employees in the regional office to implement all federal environmental

programs in the Middle Atlantic States. Major programs under my responsibility included air, water, hazardous waste, enforcement, monitoring and inspections, budgeting finances and management, state relations and HQ coordination.

From January through July of 2001, I became Acting Regional Administrator and reported directly to the Administrator of EPA in managing the Middle Atlantic regional office during the presidential transition of the 2000 elections. Directed all regional operations and represented the administration in all public venues.

In August 2001, I resumed duties as Deputy Regional Administrator until my retirement from EPA in January of 2006 after 34 ½ years of EPA service.

Chemical Industry Career Highlights:

In July 1968, I joined Stauffer Chemical Company as a plant process engineer in their Manchester plant in Houston, Texas. I was responsible for assisting in process improvements for a large sulfuric acid manufacturing facility.

In March 1969, I transferred to their Fort Worth Texas Sulfuric Acid plant as a plant process engineer. I was the sole process engineer at this sulfuric acid manufacturing facility and was responsible for the plant effluent control process.

Significant International Consulting Experiences

Date: 1994-1996 **Position Held:** Expert Advisor and Team Leader

Project: SEED funded project to assist the Czech Ministry of the Environment in the assessment of the Karolina development site in Ostrava, CZ

Location: Ostrava, Czech Republic

Description: This project was requested by the Czech Ministry of the Environment for EPA to provide expert consultation on the appropriate cleanup remedy for a Soviet-era site which was abandoned and for which the city of Ostrava desired to develop into a multi-use development project in the city centre. The key objective of this project was to assist the Ministry in determining the appropriate level of remediation to allow for the intended uses of the area after development. The difficulty was achieving agreement with City government, the property owner, the Ministry and the citizens. As the expert advisor, my team and I were responsible for advising the Ministry as to the appropriate remedial investigation methods, including reviewing the sampling and analysis plans; performing the site risk assessment to determine the appropriate cleanup levels, and preparing an alternatives analysis for proposal to the Ministry. As expert advisor, I was responsible for briefing all the parties on the range of alternatives, which would meet differing sets of land use. I advised the Ministry as to potential remediation alternatives that could maximize the needs of most of the parties. The Ministry accepted our analysis and used it to determine the cleanup method for the site. The cleanup was performed and the development is underway

Date: 2000 **Position Held:** Expert Advisor and Team Leader

Project: Gore/Mbeki funded project to assist the Ministry of the Environment of South Africa regarding the need to perform remediation at the Thor Chemicals site in South Africa

Location: Cato Ridge, South Africa

Description: The project objective was to advise the Ministry of the Environment as to the extent of the need to mitigate environmental and health risks associated with mercury contamination from the Thor

Chemical site, an abandoned facility. The expert team reviewed information from the Ministry, performed a site visit and prepared a report to advise as to the specific remediation investigation steps which would be necessary to determine the amount of contamination, the risk to nearby residents and workers, and the potential remediation alternatives. The Ministry accepted our analysis and proceeded with action to remediate the site.

Date: 1988 **Position Held:** Expert Advisor

Project: WHO funded project to assist the Italian Ministry of the Environment in the development of a regulatory process for a Superfund style national site remediation program for Italy.

Location: Rome, Italy

Description: As an expert advisor who directed the US Superfund program for the previous 7 years, I was tasked to work with the Director General of Site Reclamation to develop a set of regulations which mirrored the US Superfund National Contingency Plan (NCP), and could be used to create and implement an Italian Superfund program. A modified NCP was created, which took the concepts from the US system and adapted them to the cultural situation that existed in Italy at that time. Developed a program that utilized a heavy reliance on baseline directives from the central Ministry that would then be implemented at the provincial level. Developed a modified hazard ranking system and cleanup priority list criteria. These analyses were accepted by the Ministry and were used to create Italy's first site remediation program in the early 1990's.

Date: 1996 **Position Held:** Expert Advisor and Team Leader

Project: SEED funded project to the Eastern European Regional Environmental Center (REC) to assist in development of a hazardous site cleanup program in Gdansk, Poland

Location: Gdansk and Warsaw, Poland

Description: As the expert advisor and team leader, and in collaboration with the REC, was responsible for recommending processes for the development of a hazardous site remediation program in Gdansk, Poland. The project involved consulting with the Polish Ministry of the Environment and the REC, performing site visits, reviewing agency policies procedures and developing recommendations for the Ministry.

Date: 1991, 1992 **Position Held:** Expert Advisor and Team Leader

Project: SEED funded projects to the Eastern European Regional Environmental Center (REC) to assist in determining the risk to the environment from a Caustic Chlorine plant in Miskolc, Hungary and a municipal risk management analysis in Bekescaba, Hungary.

Location: Miskolc and Bekescaba, Hungary

Description: As the expert advisor and team leader, and in collaboration with the REC, was responsible for recommending site investigation plans and environmental risk assessment needs at these locations. The project involved consulting with the Hungarian Ministry of the Environment and the REC, performing site visits, reviewing site investigation and risk assessment needs and determining immediate actions recommended to be performed to insure a safe environment.

Date: 1998 **Position Held:** Expert Advisor

Project: Asian Environmental Partnership (AEP) funded project to assist the Chinese Environmental Protection Agency in the development of pollution prevention programs in China.

Location: Tianjin, China

Description: Participated in a Pollution Prevention workshop in Tianjin, China. Attendees were from various locations in China and included industrial and governmental participants.

Date: 1999 **Position Held:** Expert Advisor

Project: UN funded project to assist the Japanese Environmental Protection Agency in the development of hazardous site cleanup programs in Japan, especially as it related to US military base contamination.

Location: Tokyo, Osaka, Sapporo, and Nagoya, Japan

Description: Was the sole US presenter at hazardous site contamination workshops in four cities in Japan. Attendees were from various locations in Japan and included industrial and governmental participants.

Date: 1996 **Position Held:** Expert Advisor

Project: Asian Environmental Partnership (AEP) funded project to assist the Korean Environmental Protection Agency in the development of hazardous waste remediation programs in Korea

Location: Seoul, Korea

Description: Was a presenter at a hazardous site contamination workshop in Seoul. Attendees were from various locations in Korea and included industrial and governmental participants.

Organizational Affiliations

Appointed by Governor Jon Corzine to the New Jersey Tidelands Resource Council in January of 2008. Participate in the determination of appropriate compensation to the state of New Jersey for the granting of riparian land. Nominated for reappointment in July, 2012.

Publications and Presentations

Performed numerous public presentations on many aspects of EPA activities for the public, at both national and international conferences, symposia and workshops. Testified to Congressional committees, state legislatures, local governments, and met with individual members of Congress, US Senators and various State officials regarding EPA activities. Assisted over a dozen other nations in the development and implementation of environmental and homeland security programs.

Selected Presentations

Hazardous Waste Management - The Situation in the US from the Government Perspective. Thomas C. Voltaggio, October, 1986. Presented in Bergamo, Italy.

The Future of Hazardous Waste Management - A US Perspective.
Thomas C. Voltaggio and Walter S. Graham, October, 1986. Presented in Bergamo, Italy.

Landfilling of Hazardous Waste in the US - Current Practices & Future Directions. Thomas C. Voltaggio, September, 1987. Presented in Cambridge, England.

Risk Management Strategies Used in Cleanup of Hazardous Waste Sites. James M. Seif and Thomas C. Voltaggio, March, 1988. Presented in Philadelphia.

The Ashland Oil Spill of January, 1988 - An EPA Perspective. Stanley L. Laskowski and Thomas C. Voltaggio, September, 1988.
Presented in Amsterdam, Holland, Washington DC, and San Antonio.

Landfilling of Hazardous Wastes in the United States – Current Practices and Future Directions.
Thomas C. Voltaggio. 2001. Presented in various venues in Italy. September, 2001

A Model for the Development of an Abandoned Hazardous Waste Site Cleanup Program for the Republic
of Italy. Thomas C. Voltaggio, 1988. Presented in several venues in Italy between 1990 and 1993.

The American Experience in Soil Contamination and Remediation – USEPA’s Superfund Program.
Thomas C. Voltaggio. Presented in numerous venues in Italy between 1990-2003.

USEPA Cleanup of the Capitol Hill Anthrax Site. Thomas C. Voltaggio. 2002. Presented at numerous
national and international venues, from 2002 to the present.

Publication:

Cooperative River Restoration for Long-Term Urban Sustainability. Jonathan P. Deason, Thomas C.
Voltaggio, Don T. Riley. May/June 2011. LiveBetter Magazine