

PETER MAGGIORE, C.P.G.

Operations Manager, Southwest Division



EDUCATION

M.S., Geology, University of New Mexico (1981)

B.S., Geology, State University of New York at Stony Brook (1978)

PROFESSIONAL CERTIFICATIONS

Certified Professional Geologist No. 7452 – American Institute of Professional Geologists – (National Certification) – 1988 to present

Emergency Medical Technician EMTB No. 2222 – State of New Mexico (Expired)

SUMMARY OF QUALIFICATIONS

Mr. Maggiore has over 25 years experience in the field of environmental management, hydrogeology, and geology.

Currently, Mr. Maggiore serves as the North Wind Operations Manager, Southwest Division. In this role, Mr. Maggiore also serves as Office Manager for North Wind, Inc.'s office in Los Alamos, New Mexico. Mr. Maggiore has provided technical support services as a consultant for the new Los Alamos National Laboratory (LANL) Manager, Los Alamos National Security (LANS) since 2006.

As a senior consultant to the Assistant Secretary for Environmental Management for the U.S. Department of Energy (DOE), Mr. Maggiore supplied technical, regulatory and environmental policy support. In this capacity, Mr. Maggiore has performed regulatory assessments and analyses for DOE sites across the complex. Mr. Maggiore has also served as a senior consultant to the DOE's Office of Civilian and Radioactive Waste Management (OCRWM), where he was responsible for analyzing waste certification requirements associated with waste acceptance criteria for the Yucca Mountain Repository. From 1998–2002, Mr. Maggiore served as Environment Secretary for the State of New Mexico, where he managed an agency of 630 people and a budget of over \$40 million.

Mr. Maggiore currently serves on the Commission for Assessments and Reviews (CAR) for the Institute for Regulatory Science, a non-profit organization based in Columbia, Maryland which performs independent scientific peer reviews. In 2004, Mr. Maggiore chaired an assessment review panel and which evaluated environmental grant practices by the U.S. Environmental Protection Agency. Mr. Maggiore's work was recognized by the U.S. House of Representatives Transportation and Infrastructure Committee, and as a result Mr. Maggiore testified before this Congressional Committee on June 20, 2004 in order to summarize the review panel's findings.

Mr. Maggiore has vast experience in water, soil, and vapor sampling for chemical analysis and the interpretation of geochemical and geohydrologic data. He is a Certified Professional Geologist with an extensive knowledge of state and federal environmental regulations.

RELEVANT EXPERIENCE

Operations Manager, Southwest Division, North Wind, Inc., Los Alamos, NM

Mr. Maggiore has served as Vice President and Manager of the Los Alamos Area Office for North Wind, Inc. since July 2005. Currently, Mr. Maggiore serves as Vice President and Manager for North Wind, Inc.'s Northern New Mexico Operations. Since opening North Wind's Los Alamos Office in 2005, Mr. Maggiore has been instrumental in capturing and performing work for the U.S. Department of Energy, the University of California, and Los Alamos National Security (LANS) (the new Laboratory

Manager). Mr. Maggiore served as a consultant to Los Alamos National Security during the transition period leading up to June 1, 2006 when LANS assumed management of Los Alamos National Laboratory.

In addition, Mr. Maggiore has captured and performed work for private clients both in New Mexico and nationally. Mr. Maggiore also serves on North Wind's Management Advisory Board and serves as senior corporate resource in the areas of environmental permitting, compliance, and strategic planning.

Principal, Portage Environmental, San Antonio, TX and Espanola, NM

Mr. Maggiore served as the Director of the New Projects Division, assisting in the development and implementation of the Portage corporate business strategy. Mr. Maggiore also served as a Senior Consultant for both public (U.S. Department of Energy) and private sector clients. In this capacity, Mr. Maggiore performed work at numerous DOE sites across the complex, assisted in DOE policy development, and traveled to the United Kingdom and France in 2003 to provide advice to the government agencies in conjunction with a DOE delegation.

Cabinet Secretary, New Mexico Environment Dept. (NMED), Santa Fe, NM

On July 27, 1998 Governor Gary E. Johnson appointed Mr. Maggiore Cabinet Secretary for the New Mexico Environment Department. His appointment was unanimously confirmed by the New Mexico State Senate in March 2000. Mr. Maggiore held this position until August 2002. As Cabinet Secretary, Mr. Maggiore reported directly to the Governor regarding all environmental matters in the State of New Mexico and was responsible for an agency of 630 people with a budget of over \$40 million.

Mr. Maggiore developed annual budgets and spending plans for submission to the Governor and the legislature. Mr. Maggiore reviewed and executed professional service agreements, and was the final decision maker for numerous grants, loans environmental permits and compliance determination.

- In 2002, Mr. Maggiore signed a RCRA Part B permit for the State of New Mexico's first privately operated hazardous waste disposal facility – the Triassic Park facility located in southeastern New Mexico. Mr. Maggiore's final decision deviated from the hearing officer's recommendation in order to conduct a disparate impact analysis to evaluate environmental justice issues as well as to provide for more robust closure monitoring requirements.
- In 2001, at the request of Governor Gary E. Johnson, Mr. Maggiore was the State of New Mexico's lead negotiator for the closure/closeout plan for the largest mining operation in the State. Pursuant to the New Mexico Mining and Water Quality Acts, Maggiore facilitated finalization of a comprehensive regrading, revegetation, groundwater pumping, treatment and disposal plans.
- In 2000, Mr. Maggiore approved the first minor source air emissions permit in New Mexico (Intel Corporation) that utilized plant wide applicability limits Plant-wide Applicability Limits (PALs) for measuring compliance. This innovative permit facilitated a multi-million dollar plant expansion.
- In 1998 Mr. Maggiore signed a RCRA Part B permit for the nation's only transuranic waste repository – the Waste Isolation Pilot Plant in southeast New Mexico. As the final decision maker for the permit, Mr. Maggiore reviewed a hearing officer's report, finding of facts, conclusions of law and transcripts resulting from a five week long hearing. Mr. Maggiore's decision cleared the way for the full opening of the WIPP facility.
- As Cabinet Secretary, Mr. Maggiore was responsible for drafting and supporting (through passage) the following key environmental legislative initiatives:
 - Amendments to the New Mexico Groundwater Protection Act, which streamlined administrative practices and restored funding for the Corrective Action Fund (1996, 2000).
 - Amendments to the New Mexico Solid Waste Act allowing for the disposal of non-unique waste generated by the oil and gas industry at municipal solid waste management facilities. These amendments facilitated waste disposal in a more environmentally secure and more cost effective manner (2001).

- Amendments to the New Mexico Hazardous Waste Act allowing for the regulation of above-ground petroleum storage tanks and used oil (2001).
- Amendments to the New Mexico Environmental Improvement Act formally establishing the State of New Mexico's pollution prevention (Green Zia) program (2001).
- Amendments to the New Mexico Quality Act to shorten times for permit issuance, harmonize statutory and regulatory definitions, and streamline administrative and judicial processes (1999, 2001).
- Mr. Maggiore convened the following Secretary's Advisory Groups in order to improve the operational and regulatory efficiency of the Environment Department:
 - Independent Review Team – Air Quality (1998-1999)
 - Hazardous Waste Fee Regulations (1998)
 - Oil and Gas Industry Advisory Group (2000-2002)
 - Graywater Reuse (2002)
- As the senior environmental official for the State of New Mexico Mr. Maggiore provided leadership in the forms of initiating Department-wide strategic planning; promoting employee development and training in areas including informed consent, facilitation and mediation; developing the Department's first ever State of the Environment Report; and, supporting the development of a Public Service Leadership training.
- Mr. Maggiore served as Hearing Officer for numerous matters, including the promulgation of rules pursuant to the New Mexico Water Quality Act.

Director, State of New Mexico Science & Technology Division, Economic Development Dept., Santa Fe, NM

Mr. Maggiore worked collaboratively with other state agencies in laying groundwork for a "single web portal" for state government. In addition, he assisted in attempting to remove regulatory obstacles faced by new business moving into the State of New Mexico.

Director, New Mexico Environment Department, Environmental Protection Division, Santa Fe, NM

Mr. Maggiore was directly responsible for managing solid waste, occupational safety and health, air quality, air pollution control, and underground storage tank programs, managing approximately 200 employees and a total budget of approximately \$15 million.

Senior Scientist, Camp Dresser & McKee, Albuquerque, NM

Mr. Maggiore was the Project Manager for the Cobre Mining Project, which included performing a 14,000 acre Environmental Assessment and securing numerous environmental permits for the operation of an open pit copper mining and flotation milling operation.

Mr. Maggiore served as Project Manager for developing a fueling system master plan for the City of Roswell. In this role, he performed site visits for each fueling location, and developed a comprehensive plan for consolidating over 40 fueling locations into five. Implementation of this plan brought the City into compliance with state and federal regulations while resulting in significant cost savings and increased accountability.

Mr. Maggiore served as Project Manager and Senior Hydrogeologist for a \$1.2 million contract with the State of New Mexico. He designed and helped construct a comprehensive groundwater monitoring system for the City of Santa Fe's Baca Street Well groundwater contamination plume. In addition, Mr. Maggiore designed and performed a long-term aquifer test on the well to establish key aquifer parameters and met with local elected officials and the public to explain results.

Senior Hydrogeologist; Sergeant, Hauskins & Beckwith; Albuquerque, NM

During his career as an environmental consultant, Mr. Maggiore has served as Senior Hydrogeologist and Project Manager for projects related to landfill investigations, permits for mining operations, hydrogeological and geochemical studies, leaking underground storage tank site assessments and cleanups, long-term water supply evaluations, hazardous and medical waste treatment facility siting studies and environmental assessments.

Mr. Maggiore worked on a wide variety of water resource, mining, environmental assessment, underground storage tank, superfund and environmental policy projects.

Various Management Positions, New Mexico Environment Department

Mr. Maggiore served as the Manager of the Groundwater Permitting Section, where he supervised a professional staff of 15, and was responsible for the issuance of groundwater discharge permits. Mr. Maggiore also served as the Senior Technical Manager for the Underground Storage Tanks Section, overseeing investigation and cleanup activities resulting from leaking underground storage tanks statewide.

Research Associate / Graduate Faculty, University of Maine, Orono, ME

As a Graduate Faculty Member and Research Associate at the Department of Geosciences, University of Maine, Mr. Maggiore pursued geochemical research focusing upon major element (metal) substitutions in igneous and metamorphic rock forming minerals in order to better understand complex geologic relationships. He also supervised graduate student's research and theses.

Geologist, Shell Oil Company, Houston, TX

While with Shell Western Exploration and Production, Inc., in Houston, Texas, Mr. Maggiore acted as Province Geologist for oil and gas exploration in the northern Rocky Mountain Region. In this capacity he performed numerous source rock maturation studies in addition to well-site geology functions.

Research Assistant, University of New Mexico's Institute of Meteoritics; Albuquerque, NM

As a graduate student at the University of New Mexico, Mr. Maggiore served as a Research Assistant for the Institute of Meteoritics. In this capacity, Mr. Maggiore routinely operated an Electron Probe X-Ray Microanalyzer (electron microprobe). The scientific data collected by Mr. Maggiore was utilized in the preparation of several peer-reviewed scientific articles, some of which Mr. Maggiore appears as a co-author on.

ADDITIONAL EXPERIENCE

- At the request of the Assistant Secretary of the U.S. Department of Energy, Mr. Maggiore has performed regulatory assessments and developed recommendations for DOE sites located in Ohio, New York, Kentucky, Nevada, South Carolina and Washington. In addition, Mr. Maggiore assists the Assistant Secretary with respect to policy development on issues of national significance.
- At the request of the Director of the Office of Civilian and Radioactive Waste Management for the U.S. Department of Energy, Mr. Maggiore assessed the status of waste certification requirements associated with the Yucca Mountain Repository
- At the request of Congress, Mr. Maggiore testified before the Senate Energy Committee on July 11, 2002. Mr. Maggiore's testimony, which was entered into the Congressional Record, summarized accelerated cleanup strategies, long-term stewardship activities and appropriate funding levels. Mr. Maggiore is considered to be an authority regarding the U.S. Department of Energy's (DOE's) Accelerated Cleanup Initiative.
- At the request of Congress, Mr. Maggiore testified before the House Transportation and Infrastructure Committee on July 20, 2004 (Mr. Maggiore's testimony was read into the Congressional Record). Mr. Maggiore's testimony summarized the findings of a Review Panel which he chaired at

the request of the Institute for Regulatory Science in Columbia Maryland. The findings which Mr. Maggiore discussed provided recommendations for the U.S. Environmental Protection agency regarding environmental metrics and their discretionary grant award process.

- While Secretary of Environment for the State of New Mexico, Mr. Maggiore coordinated the State's environmental response to the Cerro Grande Fire (a 45,000 acre wildfire that burned across Los Alamos National Laboratory). Mr. Maggiore was responsible for evaluating the potential for releases from the laboratory, establishing an air monitoring system, supervising a household hazardous waste survey of burned residences and communicating the results of environmental monitoring to the public via local and national media outlets.
- Mr. Maggiore served on the following Boards / Commissions:
 - Chairman: New Mexico Water Quality Control Commission (1998-2002).
 - Vice-Chairman: New Mexico Mining Commission (1998-2002).
 - Chairman: Underground Storage Tank Committee (1996-2002).
 - Member: New Mexico Water Trust Board (2001-2002).
 - Member: Governor's Drought Advisory Task Force (2001-2002).
 - Member: Executive Board, Waste Management and Education Research Consortium (WERC, 1998-2002).
 - Member: New Mexico State Transportation Authority (1995-1996).
- Mr. Maggiore has served as both a fact and expert witness in legal court proceedings, administrative hearings and legislative hearings. Most recently (2004), Mr. Maggiore's expert witness analysis of a groundwater contamination case in Little Rock, Arkansas resulted in a favorable settlement for his client prior to trial. In addition, Mr. Maggiore has served as an expert witness in the following matters:
 - Chevron USA MTBE litigation, 1989
 - Private landowner vs. NM Highway Department (CERCLA issue) 1993
 - Billings vs. NMED, 1997
- Mr. Maggiore has worked in the fields of state government, academia, oil and gas exploration and mining.
 - Mr. Maggiore's employment with the New Mexico Environmental Improvement Division included work with both the Groundwater and Hazardous Waste Bureaus. As Manager of the Groundwater Permitting Section he was responsible for issuing permits to discharge to groundwater. In addition, Mr. Maggiore was the Senior Technical Supervisor for the Underground Storage Tank Section. In this capacity, Mr. Maggiore supervised 15 professional staff members and managed approximate 40 leaking underground storage tank sites.
 - His professional experience with Conoco, Inc. Mining Division included detailed geologic mapping in the Rocky Mountain region. In addition, Mr. Maggiore collected soil, surface water, geologic and biologic samples.
 - As a graduate student at the University of New Mexico, Mr. Maggiore presented the findings of his Masters Thesis (Structural Geology and Geochemistry of the Floor of the Emory Cauldron, Grant and Sierra Counties, New Mexico) at the 1981 annual meeting at the Geological Society of America (Cincinnati, OH).

WORK HISTORY

2005–Present	North Wind, Inc., Los Alamos, NM, <i>Operations Manager, Southwest Division</i>
2002–2005	Portage Environmental, Inc., San Antonio, TX / Espanola, NM, <i>Principal</i>

1998–2002 New Mexico Environment Dept. (NMED), Santa Fe, NM, *Cabinet Secretary*
1998 Science & Technology Division, Economic Development Dept., Santa Fe, NM, *Director*
1995–1998 New Mexico Environment Department, Environmental Protection Division, Santa Fe, NM, *Director*
1990–1995 Camp Dresser & McKee; Albuquerque, NM, *Senior Scientist*
1989–1990 Sergeant, Hauskins & Beckwith, Albuquerque, NM, *Senior Hydrogeologist*
1985–1989 New Mexico Environment Department, *Various Management Positions*
1984–1985 University of Maine; Orono, ME, *Research Associate / Graduate Faculty*
1981–1984 Shell Oil Company; Houston, TX, *Geologist*
1980–1984 University of New Mexico's Institute of Meteoritics; Albuquerque, NM, *Research Assistant*

TRAINING

OSHA Hazwoper certified (29CFR.1910) (current)

PROFESSIONAL AFFILIATIONS

National Water Well Association (NWWA)
American Water Resource Association (AWRA) – New Mexico Chapter
New Mexico Society of Hazardous Materials Managers
New Mexico Geological Society
American Institute of Professional Geologists (AIPG No. 7452)
Guest Lecturer, College of Santa Fe, Santa Fe New Mexico (1999-2002, 2004); topic included hydrology, hydrogeology and political science).

PUBLICATIONS

- Maggiore, P., Grambling, J.A., and Elston, W.E., 1984: "Contact metamorphism and deformation of carbonate rocks between pluton and caldera floor: the Oligocene Emory Cauldron, Grant and Sierra Counties, New Mexico". In Proceedings from recent research in the Valles Caldera, October 15-17, 1984, Los Alamos National Laboratory, Los Alamos, New Mexico.
- Maggiore, P., and Grambling, J.A., 1981: "Oscillatory zoning in birefringent garnets from metacarbonates, Emory Cauldron, New Mexico": G.S.A. Abstracts with Programs, 94th annual meeting, v. 13, no.7.
- Taylor, G.J., Maggiore, P., Scott, E.R.D., Rubin, A.E., and Keil, K., 1987: "Original structure, fragmentation and reassembly histories of asteroids: evidence from meteorites." *Icarus*, v.69, p. 1-13.
- Scott, E.R.D., Maggiore, P., Taylor, G.J., Keil, K., and Szuwalski, D., 1986: "Chondritic impact melts and cratering process on asteroids." Lunar and Planetary Science Conference Abstracts, 1986, annual meeting, Houston, Texas.
- Taylor, G.J., Scott, E.R.D., Rubin, A.E., Maggiore, P., and Keil, K., 1982: "Structure and fragmentation of the parent asteroids of ordinary chondrites" (abstract) in Lunar and Planetary Science Processes XVIII.
- Scott, E.R.D., Taylor, G.J., and Maggiore, P., 1982: "A new LL3 Chondrite, Alan Hills A79003, and observations on matrices in ordinary chondrites": *Meteoritics* 17, v.2., p.65.

Scott, E.R.D., Taylor, G.J., Maggiore, P., Keil, K., McKinley, S.G., and McSween, H.Y., 1981: "Three C03 chondrites from Antarctica – comparison of carbonaceous and ordinary type 3 chondrites" (abstract): *Meteoritics*, 16, p. 385.

Kothari, B.K., Maggiore, P., and Scott, E.R.D., 1981: "Winona Meteorite: Fission tract ages and thermal history": *Carnegie Institute of Washington Yearbook*, 1980.