



***R.M.J. ENVIRONOMICS, INC.***

P. O. Box 719  
Totowa, New Jersey 07511-0719  
(973) 633-0020  
Fax: (973) 633-0019

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***ENVIRONMENT • SAFETY • ENGINEERING • TECHNOLOGY • CONSULTING • PRODUCTS • SERVICES***

**RMJ Environomics, Inc.**

**Professional Portfolio**

**About RMJ Environomics, Inc.:**

RMJ Environomics, Inc. is a full service organization that offers biotechnological solutions, and environmental and safety expertise in a multi media regulatory environment. Our core customers are located in New York, New Jersey, Pennsylvania, Delaware and Connecticut with a primary focus on mid-sized to large firms that require a personalized, professional, and integrated environmental and safety partner that provides closed-loop regulatory compliance at a reasonable cost. We also have presence in several foreign countries, i.e. Venezuela, Argentina, Nicaragua, etc.

Our excellent reputation has been built client by client by demonstrating attention to detail, responsiveness, personalized service, and an unprecedented dedication to superb quality performance.

**Our Professional Staff:**

RMJ is a technically oriented environmental and safety consulting organization with a highly experienced staff, supported by a state-of-the-art analytical laboratory. Our staff professionals have multi-disciplinary experience in subsequent areas of expertise: Operations, engineering, chemical, economics, hydrogeology, hydrology, biology, environmental science, chemistry, regulatory analysis, waste disposal/recycling, conflict resolution, business management, and computer science.



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Michael V. Della Fave, CHMM, CHCM, PEA  
President, Chief Executive Officer



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**Michael V. Della Fave, CHMM, CHCM, PEA**  
President, Chief Executive Officer

### **Education:**

1997 M.S. Environmental Science - Montclair State University  
1991 MBA at Farleigh Dickinson University  
1987 B.S. Business Management - Farleigh Dickinson University

### **Honors:**

Member of Phi Omega Epsilon and Delta Mu Delta honor societies.  
Graduated Summa Cum Laude for both graduate and undergraduate degrees.

### **Professional History:**

**Hoffman-LaRoche Inc. - Nutley, New Jersey**  
1976-1995 Environmental/Safety Management

1994-1995 Assistant Director Environmental/Safety Affairs  
1991-1993 Manager Environmental/Safety Affairs  
1987-1990 Manager Environmental/Safety Operations  
1985-1986 Senior Supervisor Environmental/Safety Operations  
1982-1984 Supervisor Environmental/Safety Operations  
1978-1982 Foreman, Environmental/Safety Operations  
1976-1978 Environmental/Safety Systems Operator

### **Principal Responsibilities:**

Assistant Director, Environmental/Safety Affairs: Scheduled and monitored the compliance activities of seventy individuals in a multi-media environment with various transportation, storage, collection, and disposal responsibilities pertaining to hazardous waste, radioactive waste operations and solidification; incineration operations; pharmaceutical and product destruction, water/waste treatment, and corporate waste minimization, recycling, and pollution prevention programs.

Composed and implemented technical standard operating procedures to augment regulatory understanding and compliance regarding environmental and safety issues and concerns.

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Responsible for permitting, manifesting, regulatory reporting, inspecting, and computerized record keeping for all controlled substances, waste chemicals, underground storage tanks, on site remediation, medical wastes, solid wastes, radioactive wastes, wastewaters, air emissions, and other environmental media throughout the plant.

Interacted with various regulatory agencies such as EPA, NJDEP, NRC, DOT, DEA, and FDA. Perpetually kept abreast of new specifications and changing legislation.

Member of technical team that sited a state-of-the-art Medical Waste Incinerator in New Jersey.

Trained personnel in accordance with all technical regulatory protocol, computerization, and management techniques to assure performance and adherence to all compliance requirements.

Acted as chairperson for the Corporate Environmental/Safety Advisory Board in effort to promote safe working habits and prudent technologies, as well as pronounce safety awareness, pollution prevention, and injury prevention in all plant operations.

Audited and reported on all commercial Treatment, Storage, and Disposal facilities across the country prior to corporate use. Made recommendations to Corporate Law Department and communicated problematic compliance problems or deficiencies that posed potential environmental liability risk to the corporation.

Provided technical regulatory expertise to off-site facilities across the country to assure prudent environmental/safety management and compliance.

Managed an eighteen million dollar operating budget which includes all environmental /safety compliance operations.

### **Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey**

#### **Principal Responsibilities:**

Director, Environmental & Safety Affairs: Responsible to develop infrastructure and staffing requirements to organize an environmental technologies and consulting firm in the area of wastewater treatment and multi-media environmental and safety consulting.

Expanded customer base to greater than one hundred clients in fifteen industries.

After approximately one year divisional gross sales exceeded projections from both technologies and consulting sales combined.

Senior Director, Compliance & Business Affairs: Responsible for continued business growth and profitability, regulatory compliance and overall management of environmental division. Renders all technical environmental/safety decisions regarding environmental technology and consulting work.

Responsible for chairing stock acquisition in a company that promotes microbial degradation of carboneous matter in the food industry to augment core technologies and consulting businesses. Recommends and implements new business opportunities to augment existing business and to create new profit centers that add synergy to existing divisional goals.

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September 1999, procured Grant Environmental Technologies & Consultants, Inc.

**Professional Education:**

Certified Hazardous, Medical & Toxic Waste Trainer (Rutgers University)  
Certified Hazardous Materials Manager (NJIT) Master Level  
Certified Hazard Control Manager (NJIT) Master Level  
Certified Transportation Specialist (NJIT), Professional Environmental Auditor (NJIT)  
Certified Hazards Manager (NJIT), Certified UST Supervisor (NJDEP)  
Hazardous Materials Manager - HM-181/126F (DOT)  
SARA Title III Reporting/RCRA Reporting Technical Standards For Site Remediation  
Waste Minimization/Pollution Prevention Air Permitting/Advanced Air Permitting  
Environmental/Safety Regulatory Trainer  
Managing In An Equal Employment Opportunity Environment  
Conway Quality Management/Demings Statistical Methods  
Covey's Seven Habits of Successful Managers Business Management Planning and Certified  
Management Trainer  
NJDEP Industrial Site Recovery Act (ISRA)  
Operating Permits - Title V Seminar

**Publications:**

Co-authored four textbooks; Solid Waste Management, Management of Low-Level Radioactive Waste, Effectiveness of High Occupancy Lanes in New Jersey and Air Resource Management.

**Affiliations:**

Member of Water Environment Federation, Institute of Hazardous Materials Management, and National Association of Safety and Health Professionals.

*R.M.J. ENVIRONOMICS, INC.*

**Rita Del Grande**  
Executive Secretary

**Education:**

1997                    A. A. Computer Science - Bergen Community College (ongoing)

**Professional History:**

RMJ Environomics, Inc. - Barnegat, New Jersey  
December 1999 - Present

**Principal Responsibilities:**

Executive Secretary:

Over ten years of diverse divisional responsibilities, including facilitation of all environmental engineering and environmental/safety consulting needs by compiling, organizing, and distributing pertinent documents regarding technical staff needs, commercial interactions, and administrative agencies.

Schedules meetings, interviews, presentations, and conferences for all members of the technical staff.

Word processing and presentation of professional, technical documents for the staff, to be submitted to clients and various regulatory agencies. Develops proposals for consulting/engineering business and handles financial bookkeeping responsibilities for the division. Researches regulatory information to augment managerial and staff decisions. Prepares spreadsheets denoting financial growth and profit analysis.

Responds to technical staff business/technical needs to ensure synergies and economies of scale.

Developed state-of-the-art computer systems, software and databases to augment consulting business by introducing the most contemporary systems in the business. Trouble-shoot all software and hardware problems. Assesses divisional computer needs for the upgrade of computer systems. Proficient in platforms: DOS, Windows95, Windows NT,. Proficient in software: Word, Excel, Access, Dbase, , Publisher, Power Point, Outlook, Scheduler. Proficient with Internet interfacing.

**R.M.J. ENVIRONOMICS, INC.**

**Bruce A. Bell, Ph.D., P.E.**  
Senior Engineer

**Education:**

1968            B.S.C.E. at New York University  
1969            M.S.C.E. at New York University  
1974            Ph.D. (Environmental Engineering) at New York University

**Honors:**

Member of Tau Beta Pi, Chi Epsilon, and Perstare et Praestare honor societies. Received the Founders Day Award and Hydraulics Prize from New York University, Outstanding Design Achievement Award from the Florida WPCA. Nominated for the WPCF Eddy Medal for his paper on Munitions Waste Treatment. Listed in Who's Who in the South and Southwest, International Who's Who in Engineering, and American Men and Women of Science.

**Registration:**

Registered professional engineer in New York, New Jersey, Virginia, Florida and Georgia. Professional planner in New Jersey. Certified by the American Academy of Environmental Engineers and is a Registered Environmental Professional.

**Professional History:**

New York University - Faculty  
1969-1975 Instructor of Civil Engineering

**Principal Responsibilities:**

While pursuing his doctorate, consulted to government and industry. These consulting activities included: wastewater treatability studies, pilot plant investigations, design of industrial pretreatment facilities, lake evaluations, and environmental impact analyses.

**Envirotech Corporation - System Manager**

1973-1975 Belmont, California

**Principal Responsibilities:**

Provided marketing and technical sales support as well as application engineering for advanced wastewater treatment systems including carbon regeneration and solids handling systems.

## *R.M.J. ENVIRONOMICS, INC.*

Flood & Associates, Inc. Consulting Engineers

1975 - Project Manager

1976 - Vice President and Director of Environmental Engineering Design

### **Principal Responsibilities:**

Responsible for the technical and financial aspects of all of the firm's design projects. Served as Project Manager for a number of the firm's major water and wastewater treatment plant and pumping station design projects. Directed the firm's efforts as a consultant to the Commonwealth of Virginia in the research, development, remediation planning, and design related to the safe disposal of sludge contaminated with the pesticide Kepone.

George Washington University - Professor of Engineering 1978-1987

Senior Engineer - Grant Environmental Technologies & Consultants, Inc. (RMJ)

### **Principal Responsibilities:**

At George Washington University, in addition to academic duties, which included instruction of graduate and undergraduate courses in environmental engineering and hydraulics. Directed graduate and sponsored research.

Responsible for the direction of all environmental engineering activities for RMJ. Directed projects in the areas of: design of wastewater treatment facilities, hazardous waste site remediation, stormwater, sanitary and drainage design, full scale process equipment testing, pilot plant studies, sludge treatment and management evaluations, hazardous waste evaluations, site audits, groundwater investigations and remediation, RCRA closures, remedial investigations, feasibility studies, industrial pretreatment program management, and spill prevention plans.

### **Affiliations:**

Member of the Water Environment Federation (formerly WPCF), American Society of Civil Engineers, American Academy of Environmental Engineers, and International Association for Water Pollution Research and Control.

### **Publications:**

Authored or co-authored over 30 journal articles, over 100 technical reports, and a textbook on the design and operation of oxidation ditches.



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**Matheu J. Carter, P.E.**  
Environmental Engineer

**Education:**

1987                    B.S. Civil Engineering, The George Washington University

**Registration:**

Registered professional engineer in New Jersey, New York, Maryland, Delaware and Pennsylvania.

**Professional History:**

Since joining RMJ as an Environmental/Civil Engineer, providing design of stormwater and sanitary sewer systems, wastewater treatment facilities, pump stations, and subdivision layout schemes. Provided extensive hydrological and other engineering input towards the completion of a variety of environmental impact evaluations.

**Principal Responsibilities:**

Directly involved with several projects specifically related to wastewater treatment facilities. Worked extensively with the feasibility study for Morristown, N.J. involving various alternative solutions for the upgrade of the existing wastewater treatment facilities. Played a major role in the design and construction management phase of the implementation at the Morristown WWTP and has prepared upgrade evaluation and designs for a number of small trickling filter plants. Provided engineering design, layout and other input for numerous projects involving sewage treatment facilities for commercial and residential applications. Has also overseen physical and operational modification to several small wastewater treatment plants.

Took the lead at RMJ in development of stream and lake modeling for water quality impacts from point and non-point sources as well as the development of estimates of low flow in streams.

Well versed in the Clean Air Act, having prepared numerous air permit application in New Jersey and New York.

Prepares engineering cost estimates based on EPA cost curves, Mean's Cost Guides and other sources, together with his own construction experience.

Involved in groundwater remediation projects, providing project management as well as engineering design oversight for both free and dissolved product treatment of contaminated groundwater and soils.

Prior to joining RMJ, served as a Civil Engineer/Field Superintendent for a large general contractor in Delaware during which he gained extensive experience with the implementation of engineering design.

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**Professional Education:**

Short Course (3 day) - On-site wastewater Disposal Systems Design, Operation and Maintenance, Cook College, 1989  
Seminar - Detention/Retention in Urban Surface Water Management, American Society of Civil Engineers (ASCE), 1989  
Research Symposium - Remedial Action, Treatment, and Disposal of Hazardous Waste, USEPA, 1990  
OSHA Health and Safety Training, 1990  
Seminar - Innovative and Alternative Technologies for Site Remediation, NJDEP/NJWPCA, 1991  
Seminar (2 day) - Soil Vapor Extraction, University of Connecticut, 1991  
Seminar (3 day) - Bioremediation Engineering, General Physics Corporation, 1991  
Short Course (5 day) - Mathematical Modeling of Water Quality: Dissolved Oxygen Eutrophication, Manhattan College, 1992.

**Affiliations:**

Member of the American Society of Civil Engineers, the National Society of Professional Engineers (Trustee of Bergen County Chapter), and the Water Environment Federation (formerly WPCF).

**GLEN C. SOMES, P. G.**

**EDUCATION**

Lake Superior State University, B.S., Geology, 1978

Management of Managers Short Course University of Michigan 1991 Numerous  
NGWA Short Courses

**PROFESSIONAL HISTORY**

Somes Environmental Associates, Principal 2006-Present Caribe Alaska N.V.

Manager Special Projects 2005-2006

Quality Environmental Solutions, Inc., Vice President/Senior Program Manager  
1999-2005

Somes Environmental Associates, Principal, 1999 ENTRIX, Inc., Senior Consultant,  
1997 to 1999

Handex Environmental Recovery Inc., General Manager Carolina Office, 1996-  
1997

Handex Environmental Recovery Inc., Director Industrial Services, 1996

Handex Environmental Recovery Inc., National Program Manager Up-Stream  
Markets, 1992 -1996

Handex Environmental Recovery Inc. V.P. & Principal Hydrogeologist,  
Maryland Office, 1987 - 1992

Engineering Enterprises Inc., Senior Hydrogeologist, 1980 -1987 Granger

Engineering Inc., Field Engineer, 1976 - 1980

**REPRESENTATIVE EXPERIENCE**

Mr. Somes is an environmental consultant with twenty-eight years of technical consulting and business management experience. His past twelve years have included senior corporate technical and business line management activities as well as equity participation in Quality Environmental Solutions. From a technical perspective, Mr. Somes has extensive experience in environmental remediation at UST RCRA, & CERCLA sites. He also has experience with directing emergency response activities, conducting aquifer investigations for municipal and industrial water supplies, supply well design, construction, testing, & rehabilitation, surface and bore hole geophysics, expert litigation support, and site characterization. From a business management perspective, Mr. Somes has experience in business development on a national and international level, executive level management team membership of a \$50 MM per year public company, and currently is a partner in a local firm. Mr., Somes' business experience includes operating unit management, national business line management with revenues of \$16 MM, direct management of over 60 salaried and hourly employees, participation in the development in implementation of national health and safety policy and procedures including implementation on a operating unit level.

Representative technical experience includes:

- Expert litigation support on over 50 matters involving groundwater and soil contamination assessment and remediation. Qualified as an expert

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in Federal Court and have testified in open court.

- Manager Technical Support to EPA Region V Safe Drinking Water Act UIC Program. Conducted technical training of EPA Staff and managed enforcement activities in Michigan and Indiana. Also participated in the investigation and delineation of several brine contamination problems related to Class 2 injection well activities.
- Directed design and installation of over 150 hydrocarbon remediation systems. Systems comprised of 1. Total and dual fluids pump and treat with carbon and or air stripping technologies, 2. Combined pump and treat with vapor extraction. Extracted vapor treatment consisted of carbon, thermal, catalytic, and internal combustion engines destruction technologies, 3. Vapor Extraction with off gas treatment as above, Combined groundwater sparge and soil vapor extraction, and 4. Insitu Bio-Remediation using bio sparging and/or bio-venting. Systems are installed at UST and AST facilities. Work included obtaining NPDES and other necessary permits.
- Directed Emergency Response activities Baltimore Subway Project. Emergency related to pressurized tunneling construction methods forcing explosive vapors into apartment buildings and business in a portion of Baltimore City. Directed the installation of over 16 emergency vent systems consisting of over 140 extraction wells. Systems operated at a combined extraction rate of 4,000 cubic feet per minute and extracted over 6,000 lbs. of hydrocarbons in three months of operation.
- Emergency Response Jiffy Trailer Site State of Maryland Department Of Environment. Managed emergency site investigation and remediation activities at Jiffy Trailer Site in Baltimore City. Retained by State of Maryland Department of Environment Oil Control Division to determine extent of gasoline contamination in soil and groundwater and install and operate emergency remedial system to prevent migration of gasoline into combined sewer system resulting from loss of over 6,000 gallons of gasoline from UST system.
- Project Manager Creel/Angler Survey Confidential Superfund Site Northeast US. Managed team that developed work plan for conducting study to determine human use variables for risk assessment. Study encompassed six-mile stretch of river in major urban area.
- Conducted hydrogeological evaluation of groundwater supplies for City of Norman Oklahoma. Delineated aerial extent of freshwater aquifer in eastern portions of Garber-Wellington Aquifer and South Canadian River Alluvium.
- Directed the assessment and remedial system design of a closed refinery on the Island of Aruba. Site was assessed under USEPA Superfund Guidelines. Conducted hydrogeologic studies to delineate the nature and extent of contamination at closed 350,000 bbl/day refinery on land and in off-shore sediments. Defined hydrogeologic site characteristics and investigated nature and extent of contamination at two hazardous waste landfills, low level

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radioactive waste repository, tetra ethyl lead contaminated soils, refinery sludge disposal pits, and numerous petroleum releases. Conducted feasibility study for remediation of site and designed hydrocarbon recovery system for economic recovery of product from beneath site. Pilot recovery system that recovered over 60,000 bbl of product in the first six months of operation.

- Project Manager Municipal Landfill siting study in Oklahoma. Conducted hydrogeological investigation to determine suitability of site for municipal landfill. Defined permeability of formations beneath site, conducted base line water quality study, and established long term groundwater monitoring program.
- Project Manager Tar Creek Superfund Site. Directed RI/FS study. Project involved working with Federal and State regulatory personnel to determine feasibility of locating and abandoning production wells. Utilized bore hole geophysics and TV cameras to determine most cost effective methodologies for clearing and plugging abandoned water wells at the site.
- Senior Technical Manager Macon Dockery Superfund Site. Interfaced with PRP representatives, trouble shoot remedial system problems, and recommended extensive changes to eliminate system down time and increase effectiveness of system.
- Senior Technical Manager Wamchem Superfund Site: Assisted PRP with regulatory negotiations Region IV, directed redesign and installation of groundwater extraction system, and improved treatment system. Worked closely with EPA Region IV to develop and implement work plan for site activities.
- Remediation Manager Tar Creek Superfund Site. Directed remedial activities associated with the abandonment of production wells.
- Directed preparation of RCRA Part "B" permit application Refinery Arkansas City, Kansas. Completed comprehensive hydrogeologic study of site, installed interim hydrocarbon recovery system, and completed Part "B" application.
- Directed preparation of RCRA Part "B" permit application: Refinery Cheyenne, Wyoming. Conducted comprehensive hydrogeological investigation, installed and operated interim hydrocarbon recovery system, negotiated consent order with WDEQ, negotiated CERCLA de-listing of facility and prepared RCRA Part "B" permit.
- Senior Technical Manager of professional staff conducting environmental remediation activities at over 300 contaminated sites.
- Head Inspector Detour Village Sewer Project. Responsible for field engineering oversight of \$3.5 MM sanitary sewer construction project. Managed team of field inspectors and survey crews, & made design adjustments as necessary.
- Project Engineer Trout Lake Township Park Project. Designed park facility for Township of Trout Lake Michigan. Design included

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septic system, shower & bath house and supply well improvements.

**REGISTRATIONS/CERTIFICATIONS**

Registered Professional Geologist, State of Delaware No. 463 40 Hour OSHA HAZ Certification & 8-hour refresher training current New Jersey Certified Subsurface Investigator

**PROFESSIONAL AFFILIATION**

National Ground Water Association (NGWA) - 26 year member

**PUBLICATIONS**

"MTBE - The Maryland Experience," Presentation at the NGWA National Focus Conference on MTBE in Ground Water, Baltimore, Maryland, June, 2001.

Glen Somes, Joseph Landyn, Don Johnson, and Richard Laubacher, 1994. Control of Fugitive Sparge Air Utilizing Specially Constructed Relief Wells. NGWA Petroleum Hydrocarbons and Organic Chemicals in Groundwater. November 1994.

Glen C. Somes and Vahan Hoonanian, 1984. The Development of Plugging Criteria for Plugging Abandoned Wells at the Tar Creek Superfund Site. NGWA Conference on The Impact of Mining on Groundwater. August, 1984.

Vahan Hoonanian and Glen C. Somes, 1984. An Approach to Plugging Abandoned Wells at the Tar Creek Superfund Site. EGWI Conference on Abandoned Wells: Problems and Solutions. May 1984.

**R.M.J. ENVIRONOMICS, INC.**

**Brian L. Lubbert, CCM**

Senior Project Manager / Senior Scientist

**Education:**

- M.S., Meteorology, Pennsylvania State University.
- B.S., Meteorology, University of Wisconsin-Madison (with honors).

**Expertise:**

Air Permitting and Regulatory Assistance; Air Quality Modeling and Monitoring; Meteorological Modeling and Monitoring; Environmental Management Systems; Water Quality Permitting and Regulatory Assistance; Training Information; and Health and Safety Sciences

**Experience:**

Air Permitting and Regulatory Assistance

- Preparation of (twelve) Title V Facility Operating Permit Applications in the State of New Jersey.
- Negotiation of compliance conditions with NJDEP to ensure maximum plant-wide operational flexibility in Title V permits, development and coordination of permitting strategies to ensure and maintain environmental compliance and flexible operating conditions.
- Preparation and negotiation of compliance conditions for Facility-Wide Permits (FWP) for a Fortune 500 company.
- Completion of Emission Statements using the AIMS/RADIUS format for up to one dozen facilities annually in New Jersey.
- Conduct air audits and emission inventories, emission point registrations, and/or emission statements in New Jersey, Pennsylvania, Massachusetts, and Maryland.
- Preparation of Permits to Construct and Certificates to Operate applications for over one thousand pieces of equipment.
- Establishment and development of on-site professional environmental staffing support teams.
- Expedition of permit reviews utilizing professional relationships with NJDEP staff.
- Direction of agency negotiations on both a formal and informal basis.
- Preparation of Risk Management Plans for specialty chemical manufacturing facilities in Illinois, New Jersey, South Carolina, Georgia, and Connecticut.
- Management (preparation and reporting) of annual and semi-annual reports including MACT, DERs, SARA Title III-Form R Toxic Release Inventories, Community Right-To-Know (CRTK), and Pollution Prevention Summaries (DEQ-114).
- Permitted over 50 pieces of surface coating equipment for a variety of industrial applications including appliance manufacturing, furniture manufacturing, metal coating, and the paper industry.
- Assisted facilities to comply with surface coating and graphic arts operation regulations in New Jersey and Pennsylvania.
- Successfully permitted turbines in the state of New Jersey.
- Conducted BACT/LAER determination of variety of sources including boilers and turbines.
- Environmental Impact Analyses including preparation of Environmental Impact Statements.  
Air Quality Modeling and Monitoring

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- Management of a variety of air dispersion modeling projects utilizing ISCT3, DeGADIS, SCREEN3, TSCREEN, MOBILE5a, CAL3QHC, New Jersey DEP nomographs, Ohio MAGLC protocols, ALOHA/CAMEO, and RMP\*Comp.
- Supervision of regulatory impact analysis (including risk factor and odor threshold analysis).
- Supervision of stack testing procedures for nitrogen oxides, Volatile Organic Compounds (VOCs), phenol, pyridine, semi-volatile organic compounds, aldehydes, Volatile organic Acids (VOAs), and PM<sub>10</sub>/TSP.
- experience in continuous monitoring experience of sulfur dioxide, ozone, and particulate sulfate.
- Recovery and chemical analysis of daily precipitation analysis samples (at a central Pennsylvania acidic precipitation collection site, co-located with the National Deposition Program and the Canadian Air Pollution Monitoring Network).
- Meteorological Modeling and Monitoring
- Provision of expert meteorological testimony work on several cases.
- Supervision of the servicing of meteorological data acquisition systems.
- Provision of meteorological forecasting and consulting during air monitoring projects.
- Management of projects related to meteorological forensics.
- Performance of the functions of an on-site meteorologist (for the USGA).
- Released rawinsondes and recovered upper air data during the 1991 Lake Michigan Ozone study.
- Environmental Management Systems
- Successfully completed ISO 14001 Environmental Management Systems Lending Auditing Training
- Conducted Environmental Management Systems Audits
- Assisted in Implementing ISO 14001 at Pharmaceutical and Research Development facilities.
- Training and Information and Health and Safety Sciences
- Preparation of application to OSHA's Voluntary Protection Program.
- Development, implementation, and teaching of courses on subjects including Pollution Prevention, Risk Management Planning, Residual Risks, the Clean Water Act, and the Clean Air Act for Government Institutes, manufacturing facilities and the United States Army.
- Development and implementation of training sessions including Standard Operating Procedures for Control Equipment.
- BETA testing of the AIMS-RADIUS software package for the preparation of NJDEP air permits applications and of the RMP\*Comp and RMP\*Info for the Environmental Protection Agency.
- Management of OSHA awareness training programs.
- Conducted OSHA compliance audits.
- Teaching of a course (including lecture and laboratory) entitled *Environmental Foundations* at William Paterson College, New Jersey.
- Service as a Teaching Assistant for atmospheric and cloud physics laboratory courses, Pennsylvania State University, Pennsylvania.
- Water Quality Permitting and Regulatory Assistance
- Management of NJPDES permit applications in the State of New Jersey.
- Management of groundwater and surface water NJPDES permit applications.



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- Preparation of stormwater permit applications and Pollution Prevention Plans.
- Preparation and negotiation of compliance conditions and effluent limits for industrial wastewater treatment plants.
- Utilization of WATER8 to model effluent characteristics, air emissions, and design modification analysis of industrial wastewater treatment plants.

### **Professional Background:**

- RTP Environmental Associates, Inc., Green Brook, New Jersey. Senior Project Manager.
- William Paterson College, Department of Environmental Science and Geography, Wayne, New Jersey. Adjunct Professor.
- Pennsylvania State University, State College, Pennsylvania. Research Assistant.
- National Atmospheric Deposition Program and Canadian Air Pollution Monitoring Network, State College, Pennsylvania. Precipitation Chemistry Site Operator.
- United States Golf Association, Far Hills, New Jersey. Meteorologist.
- Sonoma Technologies, Inc., Muskegon, Michigan. Upper Air Technician.

### **Certifications:**

- Certified Consulting Meteorologist (CCM), American Meteorological Society.
- Accredited Asbestos Inspector and Management Planner, USEPA.
- Environmental Air Compliance Audit Program for Clean Air Act Amendments of 1990.
- 40-hour OSHA Training for Management of Hazardous Materials and Emergency Response.

### **Professional Affiliations:**

- Air and Waste Management Association.
- American Meteorological Society.
- Chi Epsilon Pi (Meteorological Honors Society).
- American Institute of Chemical Engineers

### **Publications:**

- Contributing author to *The Environmental Permitting Handbook*, A. Roger Greenway, Principal Author. Published by McGraw Hill, May, 2000.
- Contributing author to *How to Obtain Air Permits*, A. Roger Greenway, Published by Mc-Graw Hill, 2002.
- Contributing author to *Risk Management Planning Handbook 1<sup>st</sup> and 2<sup>nd</sup> editions*, A. Roger Greenway, Principal Author, Government Institutes, 2002.
- Lubbert, B.L., *Measurement of Particulate Sulfate in Central Pennsylvania*. Master's Thesis, the Pennsylvania State University, 1994.

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**Sam Chari, Ph.D., P.E.**  
Senior Environmental Engineer

**Education:**

Ph., D. Polytechnic University, Brooklyn, N.Y.  
Major Subject: Chemical Engineering  
Minor Subjects: Petroleum Engineering & Economics  
M.Ch.E. New York University, New York, N.Y.  
Major Subject: Chemical Engineer  
Minor Subjects: Industrial Chemistry & Mathematics

**Professional History:**

1996-Present	Environmental Engineer
1987-1996	Manager of Environmental Engineering and Chemical, Environmental and Safety Engineer. Duro-Test Corporation, Clifton, N.J.
Previously	Senior Process Design Engineer Foster Wheeler Energy Corporation, Livingston, N.J.
Previously	Principal Process Engineer Catalytic, Inc. Philadelphia, Pennsylvania

**Principal Responsibilities:**

Technical Skills in Environmental Engineering & Regulatory Compliance:  
Led remediation of various plant sites, involving removal of underground storage tanks, installation of a dust collection and solid waste handling system, removal of asbestos installation to meet ISRA (ECRA) requirements of NJDEP. Developed, implemented and coordinated policies to ensure compliance of factory operations as dictated by State and Federal Agencies such as NJDEP, USEPA, RCRA, and OSHA. Responsible for preparation and submission of all air, water, solid waste, and hazardous waste reports.

Organized and prepared material and energy balances, Process Flow Diagrams, P & I Diagrams, and design of Vessels, Pumps, Heat Exchangers, Air Blowers, Cyclones and Distillation Columns for Chemical, Petro-Chemical and Petroleum Plants.

Projects included design of a Phthalic Anhydride Plant based on catalytic oxidation of orthoxylene, design of the solvent recovery section of a Vitamin C Plant, and design of equipment for a Petroleum Refinery.

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**Professional Education:**

Rutgers University, New Brunswick, N.J.

July 30, 1996	Regulatory Training in Underground Storage tanks
September 24, 1996	Development Permits Review
September 25, 1996	Environmental Measurements and Quality Assurance
October 1, 1996	Air Permits
October 2, 1996	Advanced Air Permits
October 3, 1996	Operating Permits - Title V Seminar
October 15,22,29, 1996	Groundwater Resource Management -Pollution Sources and Remedies
October 24 & 25, 1996	Advanced Environmental Measurements
November 13 & 14, 1996	Environmental Air Compliance Audit Seminar
December 3, 1996	Topics in Pollution Prevention
December 4, 1996	NJDEP Industrial Site Recovery Act (ISRA)

**Affiliations:**

Member - American Institute of Chemical Engineers  
Member - American Chemical Society  
Licensed Professional Engineer

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**Patrick G. O'Malley**  
Principal Scientist

**Education:**

1977            B.S. Chemistry; B.S. Marine Science,  
                  Southampton College of Long Island University  
1981            M.S. Geophysical Sciences (Geochemistry)  
                  Georgia Institute of Technology, Atlanta, Georgia

**Professional History:**

Served as Principal Scientist with emphasis on Expert Witness services. Worked on numerous industrial and municipal wastewater cases, providing regulatory interpretation and analysis and investigating causes and effects of noncompliance. Provides air and wastewater permitting expertise and assistance.

Experience includes managing several projects, such as developing Spill Prevention Control and Countermeasure (SPCC) Plan and employee training program and implementing. Phase I audits and underground storage tank investigations and remediations and municipal Industrial Pretreatment Program (IPP).

Served as Project Manager with James C. Anderson Associates and managed the firm's environmental services group. Ensured efficient implementation and completion of environmental audits, site assessments, ECRA's (a New Jersey statute), and soil and groundwater contamination remediations. Provided clients with expert interpretation and analysis of permitting procedures and other environmental issues and proposed regulatory compliance strategies. Liaison between industrial clients and regulatory personnel.

Senior Project Scientist with Natural Resources Defense Council's (NRDC) Citizen Enforcement Project from 1984 to 1989. Project technical supervisor and assessed industrial facilities compliance with environmental statutes and regulations, and determined the impacts of noncompliance. Advised legal staff and provided litigation support for citizen enforcement actions, evaluated pollution abatement strategies, negotiated settlements and monitored compliance with same, and worked closely with federal and state environmental agencies.

Supervised assessments in 25 states of over 1,000 facilities in all industrial categories. Principal scientific representative in negotiating approximately 100 settlements with industries.

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**Masoodah Ahmed**  
Environmental Engineer

**Education:**

1989                    Mechanical Engineering University of Madras, India  
1996                    Environmental Engineering,  
New Jersey Institute of Technology  
Certified IQA for ISO 9001, (P.E. Batalas U.K.)

**Professional History:**

P.E. Batalas U.K.  
1990-1995 Design Engineer

**Principal Responsibilities:**

Involved in designing of products used in air quality control, wastewater control and industrial process equipment used for separation and treatment of liquids and solids. Trained as an Internal Quality Auditor by P.E. Batalas U.K., selected to aid the seniors in writing the company procedures for implementing ISO 9001 Certification.

Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey

Environmental Engineer:            Provided technical assistance in preparation of Environmental Assessment Reports, emission statements, calculations and estimation of emissions of air contaminants. Developed layout, piping and instrumentation drawings as well as plot plans for clients sites. Involved in process designing of industrial and biological treatment pilot studies conducted by RMJ.

Developed computer software to augment environmental consulting business. Provided AutoCAD training and drawings for business needs.

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**Matthew T. Madsen**  
Senior Environmental Scientist

**Education:**

1988                    B.S. Environmental Science, Rutgers University  
                             M.S. Environmental Science, N.J.I.T. (Candidate)

**Professional History:**

Curtis Wright Flight Systems, Inc. - Industrial Environmental Engineer

**Principal Responsibilities:**

Responsible for on-site facility environmental compliance including maintaining current federal, state, and local permits, and establishing relevant operating protocols.

Additional responsibilities included oversight of on-site remedial projects, corporate wide CERCLA insurance litigation support, and CERCLA PRP technical committee support.

Instituted many programs while at Curtis Wright which including:

Hazardous Waste Management/Compliance:    Daily operational compliance including waste generation, classification, storage, and off-site transportation and disposal. Audit review of off-site disposal facilities. Maintenance and implementation of RCRA contingency plan and preparation of annual NJDEP Hazardous Waste Generators report.

Developed a Hazardous Waste Minimization program and established 5 year minimization goals. Through source reduction, material reuse, recycling, and substitution achieved fir year reductions of 40% by volume and 51% by cost. Also established a policy to minimize long term liability by consolidating off-site facilities to those audited, reviewed, and internally approved.

Developed an on-site generation inventory and tracking system for hazardous waste with a relational database linked to all waste profile information including material constituents, classification, storage method and location, primary and secondary disposal facilities and transportation and disposal cost information.

SARA Title III and Community Right-To-Know Inventory and Reporting:            Implemented an automated material inventory system through facility's electronic purchase order and receiver system. Automated Right-to-Know reporting system by linking reporting and inventory system with the assistance of facility EIS/EDP administrator.

OSHA Compliance:            Responsible for in-plant safety and OSHA regulatory compliance. Set up a cross functional safety committee and established a safety audit program, employee awareness program, and developed policies and compliance plans for all new OSHA standards. Also performed a comprehensive review and update of existing policies and programs.

Total Quality Environmental Management (TQEM):            Developed a Total Quality Environmental Management program to integrate all environmental programs and policies for

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management under the principles of the Total Quality Management (TQM) and Continuous Improvement (CI).

Established a permanent seat on corporate TQM committee to promote environmental programs and solicit employee input and feedback, and to further employee environmental awareness.

Responsible for the coordination of remedial activities between the NJDEP, USEPA, design/resident engineer, and contractors, which included on site construction supervision to ensure compliance with design specifications and applicable regulations.

Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey

Senior Environmental Scientist: Responsible for senior level technical input and project management. Provides extensive regulatory project support through review and interpretation of federal, state, and local environmental statutes and regulations. Expertise experience of environmental compliance and OSHA health and safety compliance. Also experienced in Site Investigation and Remediation of surface and subsurface contamination and has provided support and supervision on numerous remedial projects.

**Professional Education:**

New Jersey Certified for Underground Storage Tank Subsurface Evaluation (0001694)

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**Greg Messias**

Senior Environmental Engineer

**Education:**

1976-1980 University of the Philippines, Diliman, Quezon City, Philippines  
1981 Manuel L. Quezon University, Quiapo, Manila, Philippines  
Bachelor of Science in Chemical Engineering  
1976 Don Bosco Technical College,  
Mandaluyong, Metro Manila, Philippines - High School  
1972 Don Bosco Technical College,  
Mandaluyong, Metro Manila, Philippines - Elementary School

**Professional History:**

Pesticide Producers Industrial Company - Tipas, Metro Manila, Philippines  
1979-1981 Assistant Lab & Formulation Chemist

**Principal Responsibilities:**

Analyzed batch samples and assisted in the formulation of new products from the laboratory scale into lab formulations.

Filchar Manufacturing, Inc. - Manila, Philippines  
1981-1985 Production Supervisor (Pesticide Division)  
1985-1987 Plant Manager (Pesticide Division)  
1987-1990 Project Manager (Charcoal Division)

**Principal Responsibilities:**

Production Supervisor: Equivalent to Shift Supervisor in a pesticide formulation plant handling a total of 27 men involved in the production of the different product forms of pesticide formulations such as liquid, powder, extruded and impregnated granules.

Plant Manager: In charge of Plant Operations, including scheduling manpower, preventive maintenance scheduling, raw materials requisitions, and coordinating with marketing in setting up production goals.

Project Manager: Supervised the installation and setup of an Activated Carbon Pilot Plant. Supervised the debugging of the fabricated equipments and the production process. Setup laboratory analytical procedures for quality control.

Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey  
1991 - 1999 Senior Environmental Engineer

**Principal Responsibilities:**

Set up an environmental laboratory to analyze the following: BOD (Biological Oxygen Demand), COD (Chemical Oxygen Demand) and DO (dissolved Oxygen) in accordance to EPA approved Methods of Analysis.



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Performed tests with laboratory scale models of bio-reactors to determine biodegradability of wastes submitted by clients.

Constructed pilot units for Industrial Wastewater Treatment using Biodegradation equipped with automatic pH control, temperature controls, automatic bacteria inoculation, automatic nutrient feeding and automatic sampling.

Provided technical assistance in preparation of Environmental Assessment Reports, emission statements, and other various regulatory reporting.

Worked with clients on environmental compliance issues with regard to such areas as NJPDES Permit, creating Stormwater Pollution prevention Plans, as well as Spill Prevention Counter Measure Reporting and Community Right-To-Know Summaries.

### **Professional Education:**

#### **Certificates:**

- |      |  |
|------|--|
| 1990 | Certificate of Proficiency in AutoCAD,<br>Basic Technical Institute                        |
| 1985 | Certificate of Participation in Inventors Week,<br>National Science & Technology Authority |

#### **Patents:**

- |      |  |
|------|--|
| 1984 | Utility Model: High Grade Charcoal Maker                 |
| 1987 | New Process in Activated Carbon Production (Philippines) |
| 1987 | Caroactivator (Activated Carbon Producing Machine)       |

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**Steven R. Garabed**  
Project Engineer

**Education:**

1991            B.S. Civil Engineering, New Jersey Institute of Technology  
1995            M.S. Civil Engineering, New Jersey Institute of Technology

**Honors:**

Member of Tau Beta Ph National Engineering Honor Society and Chi Epsilon National Civil Engineering Honor Society.

**Registration:**

Engineer in Training, New Jersey

**Professional History:**

Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey  
Environmental/Civil Engineer

Provides design of stormwater and sanitary sewer systems, wastewater treatment processes, wastewater treatment plant upgrades and subdivision layout schemes. Also provided extensive hydrogeological and other engineering input towards the completion of a variety of environmental impact evaluations.

Directly involved with several hazardous site remediation projects, participating in activities such as hazardous materials sampling, oversight and monitoring of the remediation of a hazardous site, groundwater monitoring and hazardous waste manifesting and disposal.

Extensive experience with hydrologic investigations including pre and post development drainage studies, and the design of stormwater quality/quantity detention basins, as well as HEC-2 analysis. He also has extensive experience in the utilization and assessment of hydrological models and has performed assessments using both HEC-2 and EPA's Qual-2E Model.

Investigated and prepared reports consistent with standard Phase I outlines, DICARs, waste assimilation capacity studies, wastewater treatment plant optimization reports and Level I Environmental Audits.

Conducted performance evaluations between various wastewater processes. Performed bench scale nitrification testing to determine the effects of toxins on nitrifying microorganisms. Scholastic endeavors have included hydrogeologic analysis, statistical data analysis, biological wastewater treatment process design, site remediation, and groundwater modeling with the U.S.G.S. MODFLOW Program.

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**Professional Certification:**

New Jersey Certified for Underground Storage Tank Subsurface Evaluation (0001693)

**Professional Education:**

1991	OSHA Health and Safety Training
1993	OSHA Health and Safety Refresher Course
1994	OSHA Supervisor Training
1992	Seminar - Site Remediation, New Jersey Department of Environmental Protection in conjunction with the New Jersey Water Pollution Control Association

**Affiliation:**

Member of The Water Environment Federation and The Order of the Engineer.

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**Lawrence P. Bayern, REP, CEA**  
Senior Environmental Scientist

**Education:**

1974-1977                   Stevens Institute of Technology, Hoboken, New Jersey  
Science, Mathematics, Drafting, Mechanical Engineering,  
Industrial Hygiene, HazComm Training, Hazardous  
Materials Incidents and Environmental Auditing

**Professional History:**

1995-1996                   Barco Systems, Inc.  
                                  Belle Mead, New Jersey, Senior Environmental Specialist  
1993-1995                   Haas Environmental Services, A Division of Aquagenix, Inc.  
                                  Southampton, New Jersey, Project Manager  
1993                         Enviro-Probe, Inc.  
                                  Edison, New Jersey, Director of UST Services  
1987-1992                   Environics, A Division of Envar Services, Inc.  
                                  Cranford, New Jersey, Project Coordinator  
1981-1987                   NJDEP, Division of Water Resources,  
                                  Trenton, New Jersey, Public Information Officer  
1974-1977                   Center of Municipal Studies and Services  
                                  Hoboken, New Jersey, Researcher

**Principal Responsibilities:**

Bid requests for excavation, removal, treatment, storage and disposal of hazard materials and wastes. Prepare RFPs for CERCLA sites. Prepare site Health and Safety Plans for Remedial Investigations and Site Remediations.

Performed technical requirements for ISRA, RCRA, BUST, NJPDES, SPCC, DPCC/DCR, Phase I and II Environmental Audits and Site Assessments.

**Professional Certification:**

Certified Subsurface Evaluator & Closure, NJDEP (0009867)  
Certified Environmental Auditor (CEA), No. 604, NREP.

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**Michael J. Bogdan**  
Environmental Scientist

**Education:**

1993            B.S. Environmental Engineering, New Jersey Institute of Technology  
1994            M.S. Environmental Science, New Jersey Institute of Technology

**Registration:**

1994            Registered Environmental Professional

**Professional History:**

Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey  
Environmental Scientist

Duties include that detailed evaluation of air, water, solid and hazardous waste permits on both the federal and state levels.

Developed wetland mitigation schemes and evaluated stream restoration plans. Performed extensive analysis of wastewater treatment facilities in order to determine the source of their permit violations.

Responsible for conducting all aspects of Phase I Environmental Site Assessments in accordance with the latest ASTM Protocol.

In conjunction with the Burlington County Department of Solid Waste Management and the New Jersey Technical Assistance Program, assisted county businesses with the management of their solid and hazardous waste. Performed on-site environmental assessments which included facility inspection, process evaluation, and the formulation of recommendations to minimize waste and reduce operating expenses.

**Professional Education:**

Seminar:            Use of ASTM Practice E 1527-94 Phase I Environmental Site Assessments

**Publications:**

Contributed to the creation of the Operations and Procedures Manual for New Jersey's first permanent Household/Small Quantity Generator Hazardous Waste Collection Facility.

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**Tara J. Krieger**  
Junior Environmental Scientist

**Education:**

- 1995            B.S. - Cook College, Rutgers, The State University of New Jersey  
                         Animal Science; Minor in Anthropology
- 1995-1996       Pennsylvania State University  
                         Post-Graduate Studies in Environmental Resource Management  
                         -        Environmental Management; Wildlife Biometrics  
                         -        Natural Resource Decisions  
                         -        Statistical Methods and Analysis  
                         -        Public Relations for Natural Resource Managers
- 1997            M.A. - Montclair State University  
                         Masters Candidate in Environmental Management

**Professional History:**

Intern, U.S. Fish and Wildlife Service

- 1995-1996       -        Environmental Contaminants  
                         Responsible for compiling a Natural Resource Damage  
                         Assessment for a zinc smelter in Northeastern Pennsylvania
- Partners for Wildlife  
                         Facilitated written communication with Federal, State, and Local  
                         agencies regarding site evaluation and design approval for  
                         privately owned wetland restoration projects.  
                         Prepared final design renditions as per engineer specifications  
                         using Design CAD.

Grant Environmental Technologies & Consultants, Inc. - Elmwood Park, New Jersey  
Junior Environmental Scientist

Training along with other field personnel in accordance with all technical regulatory protocol,  
and computerization, to assure performance and adherence to all compliance requirements.

Training in all aspects of Phase I Environmental Site Assessments in accordance with the latest  
ASTM Protocol and on-site environmental assessments which include facility inspection, and  
process evaluation.

**Patrick A. Cerra**  
Senior Environmental Engineer

**Professional Experience**

**Celanese Americas Corporation, Summit, NJ**

Senior Remediation Manager – Project Manager responsible for overseeing and directing three major and three minor remediation projects. Use consultants to meet business strategy goals to handle retained environmental liabilities exceeding \$100M. Interface with state agencies. Accountable for maintaining a strong internal control project environment. Some of my experiences include:

- a. **Remediation of the Hoechst Celanese NJ site** – Under the Industrial Site Recovery Act (ISRA) Regulation, anytime a site changes ownership having a SIC Code of 22-39 in the state of NJ, the seller is required to perform an assessment of the site and a remediation if required. Hoechst Celanese sold the site to the Clariant Corporation and Bayer, AFGA Division. This involved the removal of several USTs, A Neutralization tank and Dry Wells. The USTs were used in the storage of sewage and fuels and the dry wells were used for stormwater. As project manager I did work closely with the consultant and the New Jersey Department of Environmental Protection (NJDEP) Case Manager. The work was scheduled to be completed by the end of the third quarter of 2000.
- b. **VRP Closure at Portsmouth, VA site** – Became involved and responsible in the Hoechst Celanese/Clariant VRP Pesticide Closure Project. My involvement was somewhat late since the Hoechst Corporation was in the process of reorganizing the various departments following the sale of a number of businesses. When I received the assignment the contractors and consultant had already been selected. As project manager I worked closely with the resident consultant and site environmental manager. I reviewed reports, attended meetings, provided input and guidance, approved invoices and worked with the state case manager. The site operations were completed with no OSHA reportable incidents and under budget. The state was so impressed with how safe the operations were and how effective the work plan was, that they referred to it as “the state of the art process” and also used it as a “standard” for other similar activities within the state.

**Senior Manager, EH&S Audit Process** - As Senior Audit Manager led the implementation of the Environmental, Health & Safety (EH&S) Auditing Program. Responsibilities included the development and maintenance of the EH&S audit program which assured compliance with corporate policy, applicable laws and regulations. Managed and trained auditors for the audits. Updated the environmental protocol, prepared the audit schedule and assisted the departmental Vice President in developing the overall budget.

Trained over 100 auditors annually which were used in auditing 65 facilities worldwide, over a period of three years.

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Participated with the USEPA and state agencies in developing environmental legislation and regulations. Served as Project Manager for remediation work at various manufacturing sites within the Hoechst Organization.

**EH&S Programs Manager** - Environmental, Health & Safety Programs Manager for the Celanese Engineering Resins (CER) Business Unit, Chatham, NJ. Responsible for 4 North America facilities and 3 International facilities. Developed the environmental training programs for the various facilities which generated, handled, stored and treated hazardous wastes. Assisted in the preparation of RCRA Part B for the Texas Manufacturing facility. Under the HSWA and working with the Texas Water Commission (TWC), managed the closure of 5 solar ponds with a budget of \$30M. Provided assistance to our automotive customers in reducing/eliminating the off gassing of formaldehyde vapors in the workplace and outside air.

### **Allied Chemical Corporation, Morris Township, NJ**

**Senior Environmental Engineer** - Responsible for three Semet Solvay Tar Manufacturing Facilities located in Alabama, Detroit and Ohio. Activities included permit applications, coordinating with each State's Permit Writers, and eliminating or reducing water and air releases. A critical project was to reduce the ammonia loads in the process wastewater discharge in meeting the NPDES Permit. The pilot project I developed, in order to meet the NPDES Permit requirements, was the use of Reverse Osmosis (RO).

Assisted customers faced with business closure in registering creosote. Worked closely with the USEPA. Trained customers, secured permits and aided in the reduction or elimination of air and water pollution.

### **Education**

ISO 14000 Environmental Management Systems 1997

Seton Hall University, South Orange, NJ, BS in Chemistry (evenings)

Steven's Institute of Technology, Hoboken, NJ,

### ***Professional***

American Institute of Chemical Engineers (AIChE), New York, NY  
Certified member since January 15, 1984

Chairman, Environmental & Occupational Safety Committee  
Somerset County Chamber of Commerce for 10 years, Somerville, NJ

Member of the Chemical Industry Council of New Jersey (CIC/NJ)