

Jim Powell, QEP, BCEEM

Director, Environmental Permitting

Education

M.S. – Environmental Engineering, University of Florida, Gainesville, FL, 1975

B.S. – General Science and Geography, University of Iowa, Iowa City, IA, 1974

Professional Certifications/Licenses

Qualified Environmental Professional, Institute of Professional Environmental Practice, 1994 to present

Board Certified Environmental Engineering Member, American Academy of Environmental Engineers and Scientists, 2014 to present

Professional Affiliations

Air & Waste Management Association

Member – 1975 to 1986 and 1990 to present

Vice Chair Sections & Chapters Council – 2010 to 2012

Society of American Military Engineers

Lake Michigan Post Member and President – 2008 to 2012

Iowa Engineering Society

Muscatine Chapter -- Member and President – 1978 to 1983

American Red Cross

Board of Directors Fox River Chapter – 2000 to 2009

Disaster Volunteer Greater Chicago Chapter – 1999 to 2012

Member of Philanthropy Committee – Chicago Region – 2010 to 2012

Disaster Services Volunteer – Greater Chicago Region – 2017 to present

American Board of Industrial Hygienists

Board of Directors Member – 2017 to present

List of Honors & Awards

American Red Cross

Board Honor Award – 2003

Air & Waste Management Association – Lake Michigan States Section

Perry Fisher Award - Outstanding Dedication/Service – 2008

Society of American Military Engineers

Vice Presidents Award -- 2012

Summary of Environmental Experience

Mr. Powell has over 40 years of technical and project management experience in the energy, environmental and consulting service industries. His areas of expertise include air quality impact analysis using dispersion modeling and ambient monitoring, environmental engineering, due diligence, and EHS compliance auditing. Mr. Powell brings numerous positive client relationships, including contacts with medical equipment manufacturers, international power and water systems manufacturers, automotive manufacturers (such as General Motors, Ford Motor Company, Caterpillar), gravel mining operations, and clients such as Amtrak, BNSF, GE, CSX, Invenergy, Exelon, ExxonMobil, Tricor Pacific, Iberdrola, Gamesa, Navitas, Wind Energy America, Sears, Intel, Wal-Mart, Maytag, Kohler, Bridgestone Firestone, and Kmart.

Employment History

Mostardi Platt, 888 Industrial Drive, Elmhurst, IL 60126-1121. Phone: 630-993-2100
FAX: 630-993-9017. Director – Permitting Group. 4/1/2015 to Present. Manage day to day functions of the permitting group. Responsible for developing new customer relationship across all service lines.

Air & Waste Management Association, 420 Fort Duquesne Blvd, One Gateway Center, Suite 350 Pittsburgh, PA 15222. Phone 412.232.3444. Fax 412.232.3450. Executive Director, 2012 to 2015. Executive leadership and program development of 5,500 membership non-profit association.

AMEC Environment & Infrastructure, Inc., (now Wood) 650 Warrenville Road, Suite 100, Lisle, IL 60532 Phone 630.724.8517. Fax 630.724.8518. Senior Associate/Unit Manager, 2005 to 2012, P/L responsibility for team of 21 environmental engineers, geologists, and environmental scientist.

URS Corporation (now AECOM), 342 North Water Street, 7th Floor, Milwaukee, WI 53202
Phone 414.831.4100 Fax 414.831.4101 and 100 South Wacker Drive, Suite 500, Chicago Illinois, 60606-4014, Phone 312.939.1000 Fax 312.939.4198 Principal Environmental Engineer/Vice President, 2000 to 2005, 1994 to 1995. Managed all Project Managers and their performance metrics for the Chicago and Milwaukee Area.

Dynegy (formerly Illinova Energy Partners), Kensington Road, Oak Brook, IL, Senior Product and Services Manager, 1996 to 2000 (Office is no longer open therefore no phone or fax). Managed the development and sales support activities for "The Energy Manager™" software for the entire US market. Software was used to manage energy efficiency for various large box retail and manufacturing environments.

Chelsea Group, Itasca, IL, Vice President. 1995 to 1996. Consulting activities for indoor air quality impacts.

MAECORP (now Severson Environmental), Chicago, IL, Vice President of Marketing and Co-President. 1992 to 1993. (Office is no longer open therefore no phone or fax). Managed sales activities and developed an acquisition plan for the sale of assets and intellectual property to Severson Environmental.

Warzyn, Inc. (now Montgomery Watson Harza), Novi, MI and Addison, IL, Manager of Environmental Programs and Director of Marketing. 1989 to 1992. (Office is no longer open therefore no phone or fax). Developed and implemented a firm wide plan to develop the environmental market in a historical geotechnical organization. Implemented a new image and marketing campaign and managed the day to day sale function within the organization.

Giffels Associations Inc. (IBI Group) Business Development Manager – Federal Market, 1986 to 1989. 25200 Telegraph Rd, Suite 200, Southfield MI 48033 Tel 248.936.8000. Fax 248.936.8111. Managed the growth of the Federal Business market in an Architectural/Engineering environment.

Stanley Consultants, Inc. Environmental Engineer to Project Manager. 1975 to 1986. 225 Iowa Avenue, Muscatine, Iowa 52761, Ph. 563.264.6600 Fax 563.264.6658 First Air Quality Engineer hired by firm. Managed environmental permit development for power plants, industrial operations, and manufacturing facility. Took over as Project Manager in 1982 and managed the State and Local government projects in the Chicago market.

Project Experience

Prevention of Significant Deterioration (PSD)/Construction Permit Application. Invenergy, Rock Falls, IL. Preparation of permit application for 1000 MW peaking combustion turbine facility in downstate Illinois. Work included dispersion modeling of the existing area sources as well as the proposed new plant using AERMOD. Also, included ecological impact analysis on potential threatened and endangered species. Facility was issued a permit to construct in 2015.

Impact Analysis of Existing Air Emission Sources upon a Proposed Housing Development. Confidential Client, Chicago, IL. Evaluated noise and air quality impacts an existing steam plant and chilled water plant upon a proposed residential housing development and hotel. Work included modeling of the steam plant emissions and the air quality impact upon both new developments. Used AERMOD to determine downwind concentrations of NOx at the building exterior as well as along the building facade at elevations to 200 feet. Results indicated that a new building configuration was needed to resolve air quality impacts upon the building and its residence. The new configuration dropped the maximum building height to less than 160 feet.

Historical Odor Impact Analysis of a Landfill Operation upon nearby commercial and residences. Confidential Client, Chicago, IL. Modeled the odor emissions from a landfill using a surrogate for a mixture of odors and correlated the complaint log from the nearby city records and the same time meteorological data to validate the model results. Using AERMOD

and local meteorological data, we were able to validate the model and do predictive modeling to show the extent of odor impacts over time.

Permitting of Multi-Fuel Fired Peaking Turbines, LS Power, Rockford, IL and Aurora, IL.

Conducted emissions analysis and dispersion analysis using AERMOD to determine the air quality impact of the proposed change in facility operations. Analysis also included the requisite Environmental Justice analysis on the neighboring population.

Phase I ESAs, Various Sites, WI and MN. Conducted Phase I ESAs on 75 sites in Wisconsin and Minnesota for the acquisition of the Turkey Store by Hormel. Managed and assisted in specific site due diligence for each site which contained growing barns containing various ages of turkeys prior to processing. Farm facilities included barns, waste litter piles for land application, manure ponds, and manure spreading operations, dead animal holding areas, diesel and gasoline fueling above ground storage tanks, and farm dumps. Work also included review of EHS related information contained within an electronic data room.

Radiopharmaceutical Waste Management Auditing and Regulatory Database

Development, GE Health Care, Various US and Canadian Locations. Audited three sites in Illinois and Wisconsin to determine current methods for handling chemicals, hazardous waste, bio waste, and low-level radioactive waste. Researched for sites in 33 locations throughout the U.S. and Canada relative to ongoing compliance with Federal, State, and local waste management requirements.

Environmental Permitting, Midwest Powder Coatings, Saint Charles, IL. Services include: Air Permitting/Emission Calculation and Stormwater Permitting associated with the installation and operation of this plastic manufacturing facility. Provided compliance auditing for facilities in Mexico, California, Ontario, and Illinois.

EHS Audits as part of Due Diligence, Tricor Pacific, Lake Forest, IL. Manufacturing sites were in California, Texas, Georgia, Arkansas, Kansas, Mississippi, and Utah. Reviewed existing data room files as well as onsite permits and conditions.

Environmental Permitting and Zoning Approval, Great Point Energy, Chicago, IL.

Evaluated alternative sites for the development of a pilot scale multi-feedstock gasification facility. Sites included Illinois, Texas, Ohio, Pennsylvania, and Massachusetts. AMEC was involved in the overall site selection process and the actual permitting process at the ultimate site in Somerset, Massachusetts. Services include: Air Permitting, FAA, Water Discharge, Zoning within the Town of Somerset, and Threatened and Endangered Species Analysis and Noise and Vibration mitigation.

Air Emission Testing Analysis for Bitumen Processing Facility, Calgary, Canada.

Researched testing methods approved by US EPA for this type of material. Data assisted facility in determining appropriate testing methods and parameters.

Multiple-Site Environmental Audits, Bridgestone Firestone, Bloomington, IL. Managed multiple-site environmental audit projects for acquisition and divestiture of automotive repair facilities throughout the US. Included sites in California, North Carolina, Nevada, Tennessee, Alaska, Pennsylvania and Washington.

Multiple-Site Environmental Audits, GE Health Care, Pewaukee, WI. Exit assessments on facilities formerly leased to GE in various US locations.

Multiple-Site Environmental Audit, Equity Office Property, Chicago, IL. Managed multiple-site environmental audit project for a major US property management company.

Multiple-Site Environmental, Health & Safety and Compliance Auditing, GE Health Care, Pewaukee, WI. Managed multiple-site environmental, health & safety and compliance auditing for international medical equipment manufacturer. Services included acquisition due diligence, integration, and compliance.

Multiple-Site Environmental, Health & Safety and Compliance Auditing, GE Energy, Schenectady, NY. Managed multiple-site environmental, health & safety and compliance auditing for international power and water systems manufacturer. Services included acquisition due diligence, integration, and compliance.

Title V Permit Applications, General Motors and Ford Motor Company, Various Locations, U.S. Managed the project teams for the Title V permit applications for General Motors and Ford Motor Company projects. Facilities were located in Wisconsin, Delaware, Illinois, Michigan, Minnesota, and Missouri.

Odor Analysis and Remediation, Various Locations. Determined source and remediation for indoor air quality and odor issues at manufacturing and office facilities.

Publications

“Renewable Energy and the Impact upon the Environment.” Proceedings of the Annual Conference & Exhibition of the Air & Waste Management Association, June 2010.

“Current State of Unconventional Oil & Gas in the United States.” Proceedings of the 7th Petro Environment Congress, Al Khobar, Saudi Arabia, February 2014.