

## EMS Consulting Bio

**Bio for:** Warren J. Weaver

**Title:** Principal Sustainability Consultant

**Company Name:** ENERGY, MATERIALS & SUSTAINABILITY CONSULTING LLC

**Service / Product Offerings:** Sustainability Services, including assessments, training and LEED green building gap analyses; Management System Services for ISO 14001 (Environmental), ISO 50001 (Energy) and OHSAS 18001 (Safety & Health), including gap analyses, implementation assistance, employee awareness training, internal auditor training and desk audits; Energy Services, including ASHRAE Level 1 walk-through assessments and topic specific training, including for boilers, building envelope, chillers, cooling towers, compressed air and motors; Clean Manufacturing Services, including Clean training, Clean assessments, process mapping, material efficiency analysis and the Clean portion of Green Supplier Network Reviews and E3 Projects; and, finally Regulatory Compliance, including Environmental, Health & Safety compliance assessments, compliance assistance, permitting and training.

**Education:** Masters in Business Administration (Finance), Widener University and B.A. Chemistry, Millersville University (PA). Advanced training and certifications in wastewater treatment, environmental management systems and energy management systems.

**Expertise:** Sustainability, Clean Manufacturing, Materials Management, Waste Reduction, Pollution Prevention, Resource Utilization, Energy Efficiency, Management Systems (ISO 14001 for environmental, ISO 50001 for energy and OHSAS 18001 for Health & Safety), Environmental, Health & Safety Compliance, Auditing and Permit Application; includes EPA, DEP, OSHA, and DOT.

**Experience:** 15+ years experience in manufacturing (metal forming, printing, machine design and manufacturing) and another 15+ in consulting (most of which was with Penn State University) to more than 800 businesses on topics such as environmental, health, safety, energy, management systems, pollution prevention, materials efficiency, process mapping, clean manufacturing and sustainability.

**Professional Certifications:** Certified environmental management system auditor and certified energy management system auditor. Joint certification through RABQSA. Certificate # 051734.

**Awards / Professional Accomplishments:** Won the 2011 Most Valuable Pollution Prevention Award (MVP<sup>2</sup>) **P2 Champion Award** from the National Pollution Prevention Roundtable (NPPR).

Former chairman of a food processing industry task force and member of a second at Penn State University that jointly won the ***Vice President's Award for Customer Service***, 2001.

Was instrumental in PENNTAP winning the ***Governor's Award for Environmental Excellence*** in 1998 and for MANTEC winning the same award in 2000 – wrote both award applications.

Wrote a successful award application for **Outstanding Project of the Year Award**, NAMTAC, 1998; was the top vote recipient; *repeated each of the next four years* – each project addressed *environmental performance*.

Weaver authored several articles on environmental, pollution prevention and other technical topics.

**Professional Affiliations:** Am a member of the **Central Pennsylvania Chapter of the US Green Building Council** and of their **local LEED points selection committee** for the 2012 versions of the **LEED suite of standards**.

Am a member of DEKRA Certification's *Committee to Preserve Impartiality* for ISO 14001 and ISO 50001.

Member emeritus of the National Pollution Prevention Roundtable and was co-chair of the National Pollution Prevention Roundtable's Research, Technology & Energy Work Group.

Former member of the Pennsylvania Association of Environmental Professionals.

Former member and past-chairman of the Pennsylvania Environmental Assistance Network's steering committee.

Former member of the NIST MEP **Environmental, Safety, Health & Energy (ESHE)** Working Group and its sub-committee on **Clean Manufacturing**, including **environmental management systems and ISO 14001**.

Have chaired and participated on various industry and University committees and task forces, most to address **environmental, sustainability** and technical issues.