

# Peter Mulvaney, LEED® AP

## Sustainability Specialist / 可持续发展专家



Peter Mulvaney先生一直致力于确保项目在设计 and 施工阶段采用最佳的环境策略。其工作的主要内容在于帮助项目团队制定综合性设计方案，充分考虑不同规模的项目对现有环境造成的影响。

**Peter Mulvaney is responsible for championing environmental best practices during the design and construction phases of a project. His role focuses on helping project teams integrate design solutions that consider the environmental impacts on the built environment at multiple scales.**

加入SOM时间: 2013年

**Joined SOM: 2013**

### 教育背景

西北大学凯洛格商学院——工商管理硕士(MBA)行政管理硕士课程(EMP), 2008年  
宾夕法尼亚州立大学, 土木与环境工程系, 环境污染控制专业, 理科硕士, 1999年  
科罗拉多大学, 文理学院, 心理学, 文学学士, 1991年

### 专业协会会员

美国公共工程协会, 芝加哥分会会长, 2012年  
领先能源与环境设计, 2002年

### Education

Northwestern University - Kellogg School of Management, MBA, Executive Master's Program (EMP), 2008  
Pennsylvania State University, MS, Environment Pollution Control, Department of Civil and Environmental Engineering, 1999  
University of Colorado, BA, Psychology, college of Arts and Sciences, 1991

### Professional Affiliations

National Climate Assessment for Council of Environmental Quality, Chapter Lead, 2012  
American Public Works Association, Chicago Branch President, 2012  
Leadership in Energy and Environmental Design, 2002

### 设计经验

Lakeside Master Plan, 湖滨总体规划, 该项目是将芝加哥市南面密西根湖前573英亩区域的总体规划, 主要包括对闲置的工业用地的清理和再开发, 将其规划成集住宅、商业、零售和娱乐设施为一体的多用途地区, 还包括基础设计和开敞空间的改进。在进行中, 芝加哥, 伊利诺伊州。

Great Lakes Vision Plan, 作为一个国际化的规划设计项目, 五大湖愿景规划在城市设计师、学者、倡导者、政治家、学生以及五大湖区的居民之间建立起一个全球对话渠道, 携手保护北美五大湖的自然资源, 进行中。

Xiangzhou Waterfront, 香洲港开发项目, 为多功能滨水区提供总体规划, 设计内容包括小船停靠码头、商业、酒店以及城市滨水公园, 珠海, 中国, 2013年

### 加入SOM之前的工作经验

Greenleaf咨询公司; 咨询顾问。致力于将科技, 政策和资本相结合, 为基础设施建设提供先进的智能化咨询服务。芝加哥, 伊利诺伊州。

芝加哥水资源管理部; 助理专员。领导决策团队解决芝加哥的重要社会问题和环境问题: 1 管理水资源保护事宜 2 领导制定适应气候变化的策略 3 投资可持续基建项目 4 提供综合性绿化设计 5 将资产管理现代化, 提高管理效率。芝加哥, 伊利诺伊州。

MWH公司; 管理顾问。组建并领导多专业项目团队。领导这类大型市政基础设施建设项目需要综合考虑环境, 工程, 社会等多方面的因素。芝加哥, 伊利诺伊州。

兰德隆与布朗航空咨询公司; 环境分析员。为国际机场建立污染物排放数据库, 提供多种解决方案并进行评估, 以减少运营带来的负面影响, 芝加哥, 伊利诺伊州。

国立卫生研究院, 美国国家癌症研究所: 研究科学家。创建能够发现和分析转移性肿瘤细胞运动机制的试验性程序, 是Mary Stracke博士名下的一名优秀科学家, 贝塞斯达, 马里兰州。

### Select Projects

Lakeside Master Plan, Master plan for the redevelopment of 573-acre abandoned and cleared industrial site on Chicago's south lakefront into a mixed use district incorporating residential, commercial, retail and entertainment uses, infrastructure and open space improvements, Estimated Completion 2025, Chicago, Illinois

Great Lakes Vision Plan, International planning initiative to create a plan shaped by a global dialogue between urban designers, scholars, advocates, politicians, students, and Great Lakes area residents to preserve and protect North America's Great Lakes, Ongoing, Great Lakes Area

Xiangzhou Waterfront, Master planning for multi-functional waterfront district including marina, retail, hotel and city waterfront park, 2013, Zhuhai, China

### Experience Prior to SOM

Greenleaf Advisors, LLC; Advisor. Advanced intelligent infrastructure by bridging gaps between science, policy and capital, Chicago, IL

Chicago Department of Water Management; Assistant Commissioner. Lead strategic teams to address Chicago's critical social and environmental concerns: (1) managed water resource conservation (2) led climate change adaptation planning (3) invested capital in sustainable infrastructure (4) integrated green design (5) improved efficiencies by modernizing asset management, Chicago, IL

MWH; Managing Consultant. Assembled and led teams that specialize in multi-discipline projects requiring the integration of environmental, engineering, and social concerns to progress large civil infrastructure projects, Chicago, IL

Landrum and Brown Aviation Consulting; Environmental Analyst. Conduct emissions inventories and evaluated design alternatives for international airports to reduce adverse operational impacts, Chicago, IL

National Institutes of Health, National Cancer Institute; Research Scientist. Create experimental protocols to uncover and analyze the mechanisms of metastatic tumor cell motility as a benchtop scientist under Dr. Mary Stracke, Bethesda, MD

西南生物学博物馆：水产专家。在10-14天的远程作业中，收集、研究数据并提出解决方案，以优化农业水坝的运作，同时满足农业和生态方面的目标。阿尔布拉克，新墨西哥州。

Museum of Southwest Biology; Aquatic Specialist. Work autonomously in remote stations for 10-14 day periods to collect data and develop the intelligence to influence the operation of a series of agricultural dams to meet both agricultural and ecological goals, Albuquerque, NM

#### 加入SOM之前参与的项目

世界银行——保加利亚多瑙河修复与圭亚那阿迈拉瀑布水电站项目。

通过为所有相关群体建立明确和统一的愿景，使得工程师、生态学家、经济学家和当地特殊利益集团等不同群体间对项目达成共识。管理现场勘察团队、设计分析研究方案并编辑撰写报告。该项目确立了保加利亚在国际公约条款谈判中的地位，且促使世界银行停止对圭亚那水电站扩建进行投资，华盛顿特区。

芝加哥市环保局——芝加哥绿化屋面试验区&海滩管理项目。设计创新性方案以解决两大棘手的城市污染问题：（1）进行了第一次市政绿化屋面的试验研究，制定了一系列屋顶绿化政策；（2）进行实地研究、开发制定合理的运营程序，提高海滩的利用率，芝加哥，伊利诺伊州。

芝加哥航天局——环境整合和奥黑尔机场扩建规划服务项目。与众多机构和周边城市的领导人进行协商，以确认并减少奥黑尔机场扩建对环境造成的影响。从所得的讨论结果和数据中，建立一个机制，确认并监控环境方面的问题，对承包商进行培训，以达到最佳的管理实践效果，实现公众和运营方之间的良好沟通，芝加哥，伊利诺伊州。

#### Projects Prior to SOM

The World Bank - Bulgaria's Danube River Restoration & Guyana's Amaila Falls Hydropower Project. Achieved project consensus among a diverse group of engineers, ecologists, economists, and local special interest groups by establishing a clear and unifying vision of stakeholder benefits. Managed, designed and executed reconnaissance field-team and reports. The projects resulted in the establishment of Bulgaria's position for the negotiation of terms of an international treaty and resulted in the World Bank decision to halt investment in Guyana's hydropower expansion, Washington, DC.

The City of Chicago Department of the Environment - Chicago Green Roof Test Plot & Beach Management Projects. Designed creative solutions to two vexing urban pollution issues: (1) performed the first municipal green roof test-plot studies to establish numerous green roof policies, and (2) performed field research and developed operational procedures that reduce beach closures, Chicago, IL

The Chicago Department of Aviation - Environmental integration and the O'Hare Expansion Planning Services Project. Negotiated with numerous agencies and surrounding city leaders to identify and mitigate the environmental impact of the ORD expansion. From resultant discussions and data, built a process which identified, monitored, and trained contractors on best management practices. This successfully bridged the gap between public opinion and operational integration, Chicago, IL