

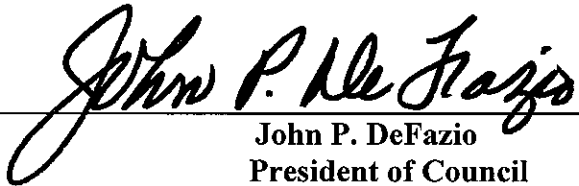
APPOINTMENT

Approving the reappointment of Deborah Lange to serve as a member of the Conservation District Board for a term to expire on December 31, 2018.

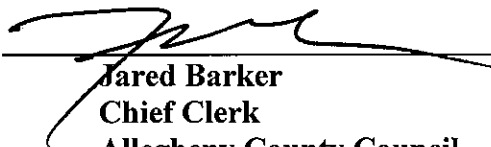
SPONSORED BY CHIEF EXECUTIVE FITZGERALD

In Council SEPT. 8TH, 2015.

Read and approved by Motion of Council.



John P. DeFazio
President of Council

Attest: 

Jared Barker
Chief Clerk
Allegheny County Council

COUNTY OF



ALLEGHENY

RICH FITZGERALD
COUNTY EXECUTIVE

August 13, 2015

AUG 13 2015 10:25AM
ALLEGHENY COUNTY
COUNCIL *RF*

Honorable President and Members
Allegheny County Council
119 Courthouse
Pittsburgh, PA 15219

Dear Council Members:

Please find the attached resume of Deborah Lange, whom I am recommending for reappointment to the Conservation District Board.

The Conservation District was established in 1964 by a resolution of the County Commissioners, as stated in the Soil and Water Conservation District Law Act of 1945. This board provides technical advice on matters such as flood prevention; erosion and sedimentation; pollution control and preservation, development and improvement of agricultural land. I am recommending that Dr. Lange serve a term to expire on December 31, 2018.

Dr. Lange is currently the President of The Third Act, which is a consulting business that was established to perform small environmental engineering consulting projects. She received her Doctorate degree from Carnegie Mellon University.

I appreciate your consideration, and ask you to act on this appointment as quickly as possible. Dr. Lange will make herself available for review before the appropriate committee if members of Council wish to speak with her.

Sincerely,

Rich Fitzgerald
Allegheny County Executive

CC: Deborah Lange

OFFICE OF THE COUNTY EXECUTIVE

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DEBORAH A. LANGE, Ph.D., P.E.
7309 Reynolds Street
Pittsburgh, PA 15208
dlange312@gmail.com, (412) 445-9748

Education

Ph.D. (2001) - Carnegie Mellon, Department of Civil and Environmental Engineering Dissertation title: "Strategies for Brownfield Development Based on Empirical Analyses." Advisor: Dr. Sue McNeil

M.S. (1982) - Carnegie Mellon, Department of Civil Engineering
Thesis title: "The Affect of Ammonia on the Calcium Carbonate Scaling Tendency of Blast Furnace Recycle Water."

Advisors: Dr. Richard Luthy, Carnegie Mellon, and Mr. Edward Mihelic, United States Steel Corporation

B.S. (1979) - Cum Laude, The Pennsylvania State University, Department of Civil Engineering

Other Education

- Institute for Professional Practice - ASFE (Association of Firms Practicing in the Geo Sciences), 1989
- Kennedy School of Government - HUD/CPD Community and Economic Development Seminar, 1997

Professional Associations

- Engineers' Society of Western Pennsylvania, Member since 1996, President (2010-2011)
- American Society of Civil Engineers

Local Community Participation

- Allegheny County Conservation District, Board of Directors
- Sarah Heinz House Boys and Girls Club, STEM volunteer leading the 'Design Factory' initiative
- Propel Schools, Engineering Mentor, leading engineering awareness program in the high schools
- Allegheny County Green Team, Founding Member and First Co-Chair (2009-2012)
- TechShop, Member

Professional Registration

Professional Engineer: Pennsylvania

Professional Experience

2013- present: The Third Act, President

The Third Act is a woman-owned consulting business established to perform small environmental engineering consulting projects as well as to perform STEM (science, technology, engineering and math) outreach initiatives.

1997- Present: Carnegie Mellon University

- *2012- Present: Headwaters Resource Committee at Carnegie Mellon*

As Program Manager of the Headwaters Resource Committee, Dr. Lange works with more than 30 stakeholder groups with a share concerned for the conservation of water resources in the area defined by the headwaters of the Ohio River. The HRC program is funded by local foundations.

- *1997-Present: The Western Pennsylvania Brownfields Center, Carnegie Mellon*

The revitalization of old industrial sites (generally in urban settings) is very complex because it relates to environmental, economic, and social welfare (quality of life) issues. As the Executive Director of The Western Brownfields Center (WPBC), Dr. Lange envisioned WPBC as a link between academia and the community. WPBC served to apply the academic research and computer-based decision support tools to real-world problems. WPBC and the projects therein (from job training to decision-support tools and community based workshops) have been funded by Carnegie Mellon and the University of Pittsburgh, the National Science Foundation, the U.S. Department of Housing and Urban Development (through the Pittsburgh /Allegheny County Enterprise Community), the Small Business Administration, the US Environmental Protection Agency, the US Department of Labor and the Heinz Endowments.

- *2004-Present: The Steinbrenner Institute for Environmental Education and Research, Carnegie Mellon*

The Steinbrenner Institute for Environmental Education and Research (SEER), formed in 2004, seeks to fulfill a strategic thrust of Carnegie Mellon with the goal of 'changing the ways the world thinks and acts about the environment, through our educational and research methods and results, through the issues we raise, and through the outcomes we produce.' As the original Executive Director of the SEER, Dr. Lange expanded existing programs as well as created new education and research opportunities across the campus.

1986-1997: Paul C. Rizzo Associates, Pittsburgh, Pennsylvania

As Vice President and a Partner, Dr. Lange managed the company's international operations and environmental projects. Notable international projects include:

- Master plan for the remediation of the Lernacken (abutment area for the Oresund Link) area near Malmo, Sweden
- Preparation of a master solid waste management plan and preliminary disposal facility designs for 50 major cities in Mexico
- Environmental audits, baseline assessments, and management plans for privatized steel-making and power generation facilities in Argentina
- Environmental audits and assessments in Romania, Slovakia and Serbia

1984-1986: International Technology Corporation, Pittsburgh, Pennsylvania

Designed and permitted hazardous waste management facilities for steel and chemical process plants. Designs addressed management of wastes, contaminated soils, water treatment and stormwater control.

1979-1984: United States Steel Corporation, Pittsburgh, Pennsylvania

Research engineer in both air and water pollution control. Studied alternative methods of wastewater treatment for steel-making process waters such as blast furnace recycle water and waste pickle liquor. Designed data collection methodology and performed statistical reduction of data to assess the sources of fugitive air emissions from "hot end" steel-making processes.

Courses Taught

- Sustainability Engineering Project Course. 'Client' for Spring 2013 and 2014 project groups (3). Efforts focused on Headwaters of the Ohio River with specific attention to the estimation of water budgets and consistency of data across watersheds in multiple jurisdictions.
- Brownfields and Economic Revitalization of the Inner City (90-707 and 12-713), Fall 1999, graduate level in CEE and Heinz School, co-taught with Dr. Joel Tarr..
- Brownfields & Economic Revitalization of the Inner City (90-707, 12-707,19-707), Spring 2002, graduate level in CEE, EPP and Heinz School, co-taught with Dr. Joel Tarr.
- The Business of Brownfields (12-707, 19-707, 90-707, 45-995, 45-996), Spring 2004, graduate course.
- Pittsburgh Brownfields: Where the Past and the Future Meet (12-612), Spring 2007.
- CEE Senior Design Course, University of Pittsburgh, Fall 2000, mentor role, taught by John Oyler.
- SDS Senior Systems Course, Carnegie Mellon, Fall 2000, advisor role, taught by Randy Weinberg.
- Independent Study, Architecture students from Carnegie Mellon, Fall 2000.
- Independent Study, Dan Holland of Heinz School of Public Policy, Summer 2002. Topic: Resource for Non-Profits – A Manual for Using Brownfield/Abandoned Mine Reclamation Programs.
- Independent Study, Environmental Science student from University of Pittsburgh researching European precedents for brownfields legislation in anticipation of developing new regulations for the Czech Republic, Fall 2002.
- Independent Study, Environmental Science student from University of Pittsburgh researching the Sarbane-Oxley Act of 2002, Spring 2004.

Select Publications and Presentations

1. Hendrickson, Chris; Lange, Deborah; Mashayekh, Yeganeh; Nagengast, Amy; and Zhang, Shengnan (2013). "Estimation of Comparative Life Cycle Costs and Greenhouse Gas Emissions of Residential brownfield and Greenfield Developments," PROC. OF THE 2ND CONFERENCE ON GREEN STREETS, HIGHWAYS AND DEVELOPMENT, ASCE, PP. 306-326.
2. Lange, Deborah, Wang, Daisy, Zhuang, Zhe, and Fontana, William (2013). "Brownfield Development Selection using Multi-Attribute Decision-Making," ASCE J. OF URBAN PLANNING AND DEVELOPMENT, 2013 (on-line, 9/13), print version forthcoming.
3. Nagengast, Amy; Hendrickson, Chris T.; Lange, Deborah (2011). "Commuting from U.S. Brownfield and Greenfield Residential Development Neighborhoods," ASCE J. OF URBAN PLANNING AND DEVELOPMENT, 137(3), pp. 298-304.
4. Lange, Deborah (2007). "Brownfields of Vacant Properties." Reclaiming Vacant Properties Conference: Strategies for Rebuilding America's Neighborhoods, Pittsburgh, PA, September.
5. Lange, Deborah (2007). "The Chronology of Brownfields in Western Pennsylvania," Air and Waste Management Annual Conference, Pittsburgh, PA., June.
6. Lange, Deborah and Sue McNeil. (2004). "Clean it and they will come? Defining Brownfield Development Success." ASCE Journal of Urban Planning and Development, June.
7. Lange, Deborah and Sue McNeil. (2004). "Brownfield Development: Tools for Stewardship." ASCE Journal of Urban Planning and Development, June.
8. Lange, Deborah. (2003). "The Road to Successful Brownfield Development: Overcome the Risks, Maximize Partnerships." *Community Reinvestment Forum*, Federal Reserve Bank of Cleveland, Spring.

9. Lange, Deborah. (2002). "Brownfields – Technical and Regulatory Issues: A Panel Discussion." *Environmental Management (EM)*, Air and Waste Management Association, October.
10. Lange, Deborah. (2002). "The Brownfields Center: An Interdisciplinary Center that Links Academia, Practitioners and the Community," Annual Conference of the Association of Environmental and Science Professors, Toronto, August.
11. McNeil, Sue and Deborah Lange. (2001) "Engineering Urban Brownfield Development: Examples from Pittsburgh," Manufactured Sites: Integrating Planning and Design in the Remediation, Reclamation and Reuse of the Post-Industrial Landscape, Niall Kirkwood (editor), Spon Press.
12. Lange, Deborah. (2001). "Brownfields in the United States and the Czech Republic – A Panel Discussion." *Environmental Management (EM)*, Air and Waste Management Association, January.
13. Lange, Deborah and Timothy Ryan. (2001). "Synergistic Innovations: Training the Unemployed for Jobs that Reclaim Brownfields," *Brownfields 2001: Restoring the Environment, Revitalizing Our Communities*, Chicago, IL, September.
14. Lange, D.A., S. McNeil, and C. Rakestraw. (2000). "Complexities of Brownfield Development with Specific Examples from Pittsburgh, Pennsylvania," *World Market Series Business Briefing – Global Environmental Industry*, January.
15. Lange, D.A. (2000). "Sustainable Brownfields and Stakeholder Engagement," *City Development Strategies*, Issue 2, First Quarter.
16. Lange, D.A., I. Erzi, M. Tomaskova, and K. Bauman. (2000). "Economic Analysis of Alternatives for Land Reuse," Prague 2000: Fifth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe (Proceedings), Prague, Czech Republic, September.
17. McNeil, S., D.A. Lange, and I. Erzi. (2000). "Brownfield Development and Urban Infrastructure: Influences on the Brownfield versus Greenfield Debate" Proceedings of the Second International Conference on Decision Making in Urban and Civil Engineering, Lyon, France, November.
18. Lange, D.A., D. Mennitto, M. Edwards. (2000). "Recipe for Sprawl: A Case Study of Rural Brownfield Reuse in Butler County, Pennsylvania," *Brownfields 2000 (Proceedings)*, Atlantic City, October.
19. Lange, D.A., "Sustainable Brownfields and Stakeholder Engagement," International Conference on Sustainable Cities: How to Improve the Environment and Health through Better Quality Municipal Management, Sponsored by The British Council and ETP Slovakia, Spisska Nova Ves, Slovakia, December 8-9, 1999.
20. Lange, D.A., S. McNeil, J. Horakova, J. Pletnicka, "Bringing Together Stakeholders and Experts for Brownfield Prevention," International Intermediate Conference on the Conservation of the Industrial Heritage of Mining and Metallurgy: Economic Structure in Change, Industrial Heritage in Danger, Sponsored by: The University of Miskolc, Hungary, September 22-28, 1999.
21. McNeil, Sue and Deborah Lange, Ipek Erzi, Catherine Rakestraw, "Evaluating Urban Brownfield Development and Transportation Alternatives Using Sustainability Indicators, submitted to Transportation Research Board.
22. Lange, Deborah and Catherine Rakestraw, "Brownfields and the S-Word," ISRC '99 – Official Publication of the Industrial Sites Recycling Conference, Sponsored by the Engineer's Society of Western Pennsylvania, September 1999.
23. Lange, Deborah and Catherine Rakestraw, "Capturing Brownfield Success: A National Glimpse," Industrial Sites Recycling Conference '99, Sponsored by the Engineer's Society of Western Pennsylvania, September 1999.
24. Lange, D.A., B.F. Cellier, T. Dunchak, "A Case Study of the HELP Model: Actual vs. Predicted Leachate Production Rates at a MSW Landfill in Northeast Ohio – One Year Later," American Society of Civil Engineers/SWANA Landfill Symposium, Denver, CO, July 1999.

25. Lange, Deborah and Paul Fischbeck, "Advancing P-RISES to Market Brownfield Sites on the World-Wide-Web," presented at Environmental Software Showcase – Environmental Resources in the Information Age, sponsored by Air and Waste Management Association, Pittsburgh, Pennsylvania, May 1999.
26. Lange, Deborah and William Lafe, "Brownfield Development in Pittsburgh Pennsylvania," presented at Contaminated Land Problems in Central and Eastern Europe Conference, sponsored by Risk Abatement in Central Europe, Katowice, Poland, January 1999.
27. Lange, D.A., P.S.Fischbeck, "Who Wants to Know? The Diversity of Brownfield Information," Brownfields'98, U.S. Environmental Protection Agency, Los Angeles, CA, November 1998.
28. Lange, D.A., S. McNeil, J. Horakova, J. Pletnicka, "Brownfield Prevention: A Case Study in Ostrava, Czech Republic," Warsaw '98: Fourth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland, September, 1998.
29. Lange, D.A., "Baseline Environmental Assessments: A Philosophy," Warsaw '98: Fourth International Symposium and Exhibition on Environmental Contamination in Central and Eastern Europe, Warsaw, Poland, September, 1998.
30. Lange, D.A., B.F.Cellier, T. Dunchak, "A Case Study of the HELP Model," *Water Quality International*, November/December, 1997.
31. Lange, D.A., B.F.Cellier, T. Dunchak, "A Case Study of the HELP Model: Actual vs. Predicted Leachate Production Rates at a MSW Landfill in Northeast Ohio," SWANA Landfill Symposium, Sacramento, CA, August 1997.
32. Lange, D. A., "International Marketing of Environmental Services," Environmental Industries Association's Waste Expo, Las Vegas, Nevada, 1996.
33. Lange, D.A., J.A. Broschious and E.G. Zullo, "Leachate Management Design in Mexico," *Waste Age*, January 1996 (also presented at Superfund XVI, November 1995).
34. Lange, D.A., J.A. Broschious, P.C. Rizzo, G. Rosiles, J. Stein, "Solid Waste Master Planning in Mexico", Presented at PRO-ECO '95, May 1995.
35. Lange, D.A., "Landfill Siting and Engineering", Presented at 1st Internacional del Medio Ambiente", March 1995.
36. Lange, D.A., "Assessing Landfill Options", Presented at PRO-ECO '94, May 1994.
37. Lange, D.A., P.J., Landry, C.M. Rizzo, E.G. Zullo, "A Case Study of the HELP Model: Leachate Production Rates at a MSW Landfill in Southwest Pennsylvania", Presented at NSWMA Waste Tech '93, January 1993.
38. Lange, D.A., R. J. Buffalini, T. Dunchak, "Siting a Municipal Solid Waste Landfill in a Limestone Quarry", Presented at NSWMA Waste Tech '93, January 1993.
39. Lange-Kennedy, D.A., and M.A. Pelcher, "Exploring Innovative Landfill Solutions", Solid Waste & Power, August 1991.
40. Lange-Kennedy, D.A., R.J. Buffalini, and P.C. Rizzo, "Field Versus Lab Testing for Clay Liners in Western Pennsylvania and Eastern/Central Ohio", presented at NSWMA Waste Tech '90, September 1990.
41. Lange-Kennedy, D.A., "Overfilling--One Potential Solution to the Waste Crisis in the Northeast", presented at NSWMA Waste Tech '89, September 1989.
42. Lange-Kennedy, D.A., "Effect of Sinter Composition on Steel Plant Emissions: A Mixture Experiment with a Twist", presented at the Spring Regional Conference of the American Statistical Association, 1984.
43. Lange-Kennedy, D.A., "An Alternative Approach to the Estimation of Calcium Carbonate Scaling Tendency in Blast Furnace Recycle Water", presented at the International Water Conference, 1982.



COUNTY OF ALLEGHENY

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September 9, 2015

Dr. Deborah Lange
7309 Reynolds Street
Pittsburgh, PA 15208

Dear Dr. Lange:

This is to inform you that at the Regular Meeting of Allegheny County Council held on September 8, 2015 Council approved your reappointment to serve as a member of the Conservation District Board for a term to expire on December 31, 2018.

Congratulations on your reappointment and best of luck in this undertaking. We look forward to receiving your recommendations and stand willing to assist you in any way you believe appropriate.

Sincerely,

Jan Rea, Appointment Review Committee Chair
Allegheny County Council

cc: Jan Lauer, District Manager, Allegheny County Conservation District

JR/sb