

Trent R. Wickman

OBJECTIVE

I am a lifelong resident of Minnesota and the Upper Peninsula of Michigan. My interests are engineering, chemistry, and ecology, tribal perspectives, and local/state/national environmental policy/regulation.

EDUCATION

M.S. Environmental Engineering
B.S. Environmental Engineering
B.S. Biology

Michigan Technological University, Spring 1996
Michigan Technological University, May 1994, Summa Cum Laude
Michigan Technological University, May 1994, Summa Cum Laude
• Dean's List every quarter enrolled. Graduated in the top 5% of my class.
Registered Professional Engineer in Minnesota - since 2000

EXPERIENCE

USDA FOREST SERVICE

*Superior National Forest and
National Forests in Minnesota,
Wisconsin and Michigan*
December 2001 – April 2025

GS11-0801

General Engineer
December 2001

GS12-0819

Environmental Engineer
January 2009

- Reviewed the impacts of air pollution on forest resources
- Negotiated mitigation of air quality affects for individual air permits for new industrial projects across the country to minimize their impacts to the forest. Most of these were controversial and politically charged.
- Negotiated state air management plans with regulators and industry across the country.
- Authored letters containing recommendations on state and federal environmental policies and regulations for Forest Supervisor, Regional Forester and Washington Office signature.
- Prepared testimony for the Forest Supervisor at multiple state regulatory board meetings.
- Represented the USFS at meetings with members of Congress.
- Helped develop national agency policy and responses to federal air quality regulations.
- Led interagency discussions with EPA, National Park Service and Fish & Wildlife Service to develop a common approach to review industrial air emission impacts on protected federal areas.
- Worked as a National Air Resource Advisor for wildfires:
 - Provided smoke management services nationally for wildfires and prescribed burning projects such as: smoke forecasting, modeling and monitoring. Coordinated smoke messages with Public Information Officers. Made presentations at public meetings and to public officials.
- Taught smoke management classes to fire staff and the public at local and national levels.
- Developed a 1-day class on smoke management tools and have delivered it in many states.
- Coordinated multiple research projects. Partners have included states of Minnesota, Wisconsin, Michigan, UM Duluth, Univ. of MN, USFS Northern Research Station, Univ. of WI, Lakehead University
- Coauthor on 8 peer-reviewed journal articles. Presented at national scientific conferences.
- Developed and delivered air quality talks to the public.
- Created USFS air quality training program.
- Agency Tribal Liaison for air quality issues. Organized quarterly tribal air staff coordination meetings.
- Wrote material for the Forest Service website and state air agency online magazine - I have strong interest in science communication.

AWARDS & ACCOMPLISHMENTS:

- Brought in \$1.6 million dollars worth of internal and outside grants to program over the last ten years to better understand air quality impacts on forest resources. Responsible to identify grant opportunities, apply, administer, supervise, analyze data and present findings.
- Achievement awards: 2005, 2009, 2011, 2012, 2015, 2016, 2017, 2019, 2020(2), 2021, 2022, 2023 (3)
 - 2006 - Rise to the Future - Group Research Award
 - 2008 - Walking the talk for Sustainability
 - 2016 - Aldo Leopold Award - Wilderness Program
 - 2021 - Rise to the Future - Paul Miller Air Award
 - 2022 - Eastern Region Honor Award
 - 2023 - Eastern Region Honor Award

MINNESOTA POLLUTION CONTROL AGENCY

St. Paul, Marshall & Duluth Offices
July 1996 - December 2001

AIR QUALITY PERMIT ENGINEER

- Responsible for drafting and issuing construction and operating permits for major air emission sources
- Taught workshops on air quality regulations
- Received three Achievement Awards from the MPCA

ACTIVITIES

Curling Instructor • Curling Ice Prep Crew • Creation Care Committee • Asst Scoutmaster
Hiking • Camping • Biking • Cross Country Skiing • Curling • Backpacking • Fly-Fishing