

RESUME

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LARRY EDWARD FINK

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Owner and Principal

Waterwise Consulting™, LLC

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SKILLS

- Mastery of environmental chemistry concepts, principles, practices, and applications
- Development, management, and supervision of environmental monitoring, research, modeling, assessment, and remediation programs, projects, and methods
- Single- and multi-media human and wildlife risk assessment and criteria derivation
- Modeling wastewater treatment, runoff, aquatic transport-fate and bioaccumulation
- Preparation and peer review of Environmental Assessments/Impact Statements
- Environmental permits, TMDLs, litigation support, and expert testimony
- Environmental education, communication, public relations, and meeting facilitation
- Florida-Qualified Stormwater Management Inspector

EMPLOYMENT

2007-	Owner and Principal, Waterwise Consulting™, LLC
2000-2011	Lead Environmental Scientist, SFWMD, W. Palm Beach, FL
1991-2000	Senior Supervising Environmental Scientist, SFWMD, W. Palm Beach, FL
1988-1991	Senior Environmental Scientist, SAIC, McLean, VA
1984-1987	Chemist, USEPA, Great Lakes National Program Office, Chicago, IL
1978-1984	Chemist, Michigan Department of Natural Resources, Lansing, MI

EDUCATION

1978	M.S. Environmental Health Sciences, University of Michigan-Ann Arbor
1973	B.S. Chemistry (Honors), University of Michigan-Ann Arbor

REFERENCES

Anders Andren, Director, Wisconsin Sea Grant Program, Madison, WI
Don Axelrad, FL DEP Mercury Coordinator
Theo Colborn, Author, Our Stolen Future, 1996
Thomas Fontaine III, Director, Western Ecology Division, Office of R&D, USEPA
Aaron Higer, USGS (retired)
Richard Uhler, Battelle, Inc.
Mark Van Putten, Director, Nat'l Wildlife Federation Great Lakes Nat. Resource Center (1982-96)

PROFESSIONAL HIGHLIGHTS

- Wrote/defended first proposed revisions to Rule 1057: Michigan Toxic Substances WQS
- Major contributor to critique of Dow Chemical Co.'s "Trace Chemistries of Fire" Report
- Provided technical support for BASF-Wyandotte litigation and process characterization
- Co-Authored Region 5 response to court TMDL ruling in Scott v. City of Hammond et al.
- **Awarded USEPA Region V Administrator's Bronze Medal** for co-authoring the ***Lake Michigan Toxic Pollutant Control/Reduction Strategy*** to implement court order
- Major contributor to Great Lakes section of **Water Quality Act Amendments of 1987** and USEPA Region V Administrator and Great Lakes Program Manager Congressional testimony
- Major impetus/contributor to design & implementation of **Green Bay Mass Balance Study**
- Co-Chair and Co-Author of "Battle of the Great Lakes Models" Workshop and Report
- First Author of ***Technical & Management Options for Lakewide Management Planning***
- Co-Author of sediment criteria manual to guide remediation & source control applications
- Project Manager and First Author for ***Modeling Toxic Substances Target Load Reductions in the Great Lakes: Part I - The Great Lakes Water Quality Model (Development) and Part II - Evaluation of Resource Management Issues and Options*** for the Great Lakes Natural Resources Center, National Wildlife Federation, Ann Arbor, MI
- Foran, J. and Fink, L.E. **Regulating Toxic Substances in Surface Water**, Lewis
- **Mercury Program Manager**, South Florida Water Management District
- **Interagency Coordinator, South Florida Mercury Science Program**
- Organizer and Co-Chair, 16-County Toxic Substances Round Table
- **Organizer and Chair**, So. FL Hg Science Program Annual Workshop, W. Palm Beach, FL
- **Co-organizer** and contributor, **Workshop on Effects Assessment for Mercury in Fish-eating Birds: Setting an Avian Wildlife Criterion**, River Ranch, FL.
- Co-chair of **ASR Regional Study PDT Water Quality Subcommittee** and **author of water quality-related responses** to National Academy of Sciences peer review comments deemed by the Chair of the Federal Task Force as **the standard for all CERP projects**
- Author of technical "white paper" supporting SFWMD petition to allow STA-2 Cell 1 operations in flow-through mode to expedite stabilization while minimizing wildlife risks
- Project Manager of coop. agreement to revise & apply Everglades Hg Cycling Model (II)
- Planned, managed, and first author of report on **STA-2 Mercury Special Studies Project**
- **Innovated high-volume ultra-trace Hg/MeHg pore water sampler**
- Co-author of **CERP Guidance Memorandum (CGM) 42** for project Hg/Toxics screening
- Developed and managed **Soil Hg Baseline Study** for proposed 50,000-acre footprint of planned **EAA Reservoir Project** subsequently **adopted as model design** in CGM 42
- Developed time-dependent water quality model to evaluate Woerner Turf sorption and bioaccumulation test results and static vs. dynamic ecotoxicological risk assessment
- Co-developed and defended **adaptive sediment monitoring design** for L-19 dredging project adopted as **standard operating procedure** by SFWMD's Lands Division
- Endangered species & water quality compliance for **L. Trafford Phase III Dredging Project**
- Session Chair, **"Unifying Concepts in Environmental Restoration Planning"**, GEER, 2010
- Provided guidance on review/comment strategies for Dow's Superfund sites clean-up plans
- Peer reviewed proposed language for endocrine disrupter protection law adopted in 2011

AWARDS, HONORS, AND ELECTED AND APPOINTED POSITIONS

- Founder and President, The Foresight Society, Lansing, MI. 1982-84
- Member at Large, Board of Directors, Sierra Club Michigan Chapter. 1983-84
- Regional Administrator's Bronze Medal for Commendable Service, U.S. Environmental Protection Agency, Region V, Chicago, IL. January 1987
- USEPA Region V Cash Awards for Outstanding Performance in 1985 and 1986
- SFWMD Shared Timer Powers Cash Awards for Exemplary Performance for Inter-Agency Everglades Mercury Research Program Coordination and Support in 1995 and 1997
- Member, Task Force for Development of Freshwater Sediment Quality Criteria, Florida Department of Environmental Protection. 1999
- Executive Director's Award for Excellence for the preparation of Chapter 7: The Everglades Mercury Problem in the Everglades Consolidated Report (2000), South Florida Water Management District. 2000

OTHER EDUCATION, TRAINING AND CERTIFICATION

- Minor in Secondary Education, University of Michigan-Flint. 1976
- Teacher Certification, Secondary Education: Chemistry, Physics and Mathematics, State of Michigan. 1976
- Toxic Substances Water Quality Modeling. Manhattan College. NYC, NY. 1980
- Water Quality Standards and Modeling. USEPA. Chicago, IL. 1985 and 1986
- Risk Assessment Trainers Training. USEPA. Easton, MD. 1987
- The Use of MINTEQ in Ecological Risk Assessment. SETAC. Houston, TX. 1993
- Qualified Stormwater Management Inspector. Dept. of Environ. Protection. Jupiter, FL. 2008
- AQUATOX III. USEPA/SETAC. Tampa, FL. 2008
- Standard First Aid & Cardiopulmonary Resuscitation/Automated External Defibrillator - Adult. SFWMD. West Palm Beach, FL. 2009 and 2011.
- The Endangered Species Act of 1973. Section 7: Interagency Cooperation. U.S. Fish and Wildlife Service. West Palm Beach, FL. 2009

PROFESSIONAL AFFILIATIONS

- Society of Environmental Toxicology and Chemistry (1982-1993; 2008-present)
- American Chemical Society (1986 - present)
- American Association for the Advancement of Science (1984-1991)