Committee on Energy and Commerce
U.S. House of Representatives
Witness Disclosure Requirement - "Truth in Testimony"
Required by House Rule XI, Clause 2(g)

1. Your Name: Donald R. van der Vaart		
2. Are you testifying on behalf of the Federal, or a State or local government entity?	**Yes** X	**No**
3. Are you testifying on behalf of an entity that is not a government entity?	**Yes**	**No** X
4. Other than yourself, please list which entity or entities you are representing: John Skvarla, Secretary, N.C. Department of Environment and Natural Resources		
5. Please list any Federal grants or contracts (including subgrants or subcontracts) that you or the entity you represent have received on or after October 1, 2011:		
6. If your answer to the question in item 3 in this form is "yes," please describe your position or representational capacity with the entity or entities you are representing:		
7. If your answer to the question in item 3 is "yes," do any of the entities disclosed in item 4 have parent organizations, subsidiaries, or partnerships that you are not representing in your testimony?	**Yes**	**No**
8. If the answer to the question in item 3 is "yes," please list any Federal grants or contracts (including subgrants or subcontracts) that were received by the entities listed under the question in item 4 on or after October 1, 2011, that exceed 10 percent of the revenue of the entities in the year received, including the source and amount of each grant or contract to be listed:		
9. Please attach your curriculum vitae to your completed disclosure form.		

Signatu [redacted] **Date:** 11/12/2013

Curriculum Vitae, Donald Robert van der Vaart

Education

B.S., Chemistry, University of North Carolina at Chapel Hill, 1979.
M.S., Chemical Engineering (minor in Mathematics), N. C. State University, Raleigh, 1982.
Ph.D., Chemical Engineering, Trinity College, University of Cambridge (England), 1985.
J.D., North Carolina Central University School of Law, *Cum Laude*, 2009

Employment History

2012-date	Lecturer for ARE 309: Environemntal Law and Policy, N.C. State University
2006-date	NC Division of Air Quality, Environmental Program Manager II
1997-2006	NC Division of Air Quality, Environmental Engineering Supervisor II
1996-1997	CP&L, Manager, Environmental Services
1995-1996	CP&L, Manager, Environmental Programs - Air
1994- date	NC Division of Environmental Management, Environmental Supervisor II; Adjunct Associate Professor, Department of Environmental Engineering, N. C. State University
1993-1994	NC Division of Environmental Management, Environmental Supervisor I
1989-1992	Virginia Polytechnic Institute and State University, Research Scientist.
1988-1989	Research Triangle Institute, Senior Research Engineer.
1986-1988	Research Triangle Institute, Research Engineer.
1985-1986	Shell Development Company, Assistant Research Engineer.

Professional Societies, Honors

CP&L Council of Leaders
Professional Development Award (RTI)
Shell Safety Award
Trinity College (Cambridge) Bursary Scholarship
Chi Psi Educational Trust Scholarship
Tau Beta Pi (Engineering Honor Society)

Committees and Boards

Member of the CAAAC Title V Task Force
Executive Board of Directors, N.C. Biotechnology Center 1996 - 2000
Member on numerous graduate committees for M.S. and Ph.D. students at Virginia Polytechnic Institute (chemical engineering) and N.C. State University (environmental engineering)
Board of Directors, Carolina Air Pollution Control Association

Publications

Technical Publications

1. Michael A. Freeman, Donald R. van der Vaart, Franklin A, Schultz, and Charles N. Reilley, “Carbon-13 Nuclear Magnetic Resonance Studies of Oxotungsten (VI) Complexes with Aminopolycarboxylic Acid Ligands, *J. Coord. Chem.* Vol. 11 pp. 81-90, 1981.

2. D. R. van der Vaart and J. F. Davidson, "The Combustion of Propane, Premixed with Air, in a Fluidized Bed," Fluidization V Conference, 1986.

3. D. R. van der Vaart, "The Chemistry of Premixed Hydrocarbon/Air Combustion in a Fluidized Bed," *Combustion and Flame*, 71: 35-39, 1988.

4. D. R. van der Vaart, "Freeboard Ignition of Premixed Hydrocarbon Gas in a Fluidized Bed," *Fuel*, 67, 7, 1003-1007, 1988.

5. D. R. van der Vaart and E. P. Stahel, "An Investigation of the Modified Fouling Index as a Test for Plugging Potential of Pretreated Seawater," *Desalination*, 68: 45-56, 1988.

6. D. R. van der Vaart and H. R. van der Vaart, "Use of a Second, Endothermic Reaction to De-Sensitize a Tubular Reactor," *A.I.Ch.E. Journal*, 37, no. 2, pp. 225-232, 1991.

7. D. R. van der Vaart, W. M. Vatavuk and A. Wehe, "Thermal and Catalytic Incinerators for the Control of VOCs," *JAPCA*, 41, no. 1, pp.92-98, 1991.

8. D. R. van der Vaart, W. M. Vatavuk and A. Wehe, "Thermal and Catalytic Incinerators for the Control of VOCs, II: Cost Estimation," *JAPCA*, 41, no. 4, pp.497-501, 1991.

9. D. R. van der Vaart, "Mathematical Modeling of Methane Combustion in a Fluidized Bed," *Ind. Eng. Chem. Res*., 31, no. 4, pp. 999-1007, 1992.

10. D. R. van der Vaart and H. R. van der Vaart, "On the Use of Sensitivity Analysis to Describe an Endothermic/Exothermic Reaction System," *A.I.Ch.E. Journal*, 38, no. 3, pp. 345-349, 1992.

11. D. R. van der Vaart, "Prediction of Axial Concentration Profiles in a Catalytic Fluidized Bed," *A.I.Ch.E Journal*, 38, no. 8, pp. 1157-1160, 1992.

12. D. R. van der Vaart, "Diffusion Coefficients of Alkali Metals in β"/β-Al_2O_3," *Solid State Ionics*, 59, pp. 223-227, 1993.

13. D. R. van der Vaart, "Solid State Hydrogen Conduction in a Novel Process for Hydrogen Addition," *Solid State Ionics*, 67, pp. 45-50, 1993.

14. D. R. van der Vaart, “Calculating the Potential to Emit Particulate Matter,” *Pollution Engineering*, vol. 28, no. 9, pp. 54-55, 1996.

Invited Review

15. D. R. van der Vaart, Marchand, E. and A. Bagley-Pride, "Thermal and Catalytic Incinerators," invited review for *Critical Reviews in Environmental Science and Technology*, vol. 24, no.3, pp. 203-236, 1994.

Legal Publications

16. D. R. van der Vaart and W. D. Willets, "Seeking Alternative Compliance Approaches for North Carolina Air Toxics Regulation," *The North Carolina Environmental Law Letter*, 4, no.8, 1993.

17. C. S. Carter and D. R. van der Vaart, "North Carolina Operating Permits under the Clean Air Act - The 1993 Emissions Inventory and Beyond," *Environmental News*, North Carolina Bar Association, vol. 6, 1, pp. 5-10, 1994.

18. J. C. Evans and D. R. van der Vaart, "Can You Benefit from North Carolina's New Netting Procedures?" *The North Carolina Environmental Law Letter*, 5, no.2, 1994.

19. D. R. van der Vaart and J. C. Evans, "Integration of the State and Federal Air Toxics Programs," *The North Carolina Environmental Law Letter*, 5, no. 11, 1994.

20. J. C. Evans and D. R. van der Vaart, "Pollution Control Projects under New Source Review," *The North Carolina Environmental Law Letter*, 5, no. 9, 1995.

21. W. D. Willets and D. R. van der Vaart, "New Source Performance Standards for Existing and New Medical Waste Incinerators," *Environmental News*, North Carolina Bar Association, March 1995.

22. John C. Evans and D. R. van der Vaart, "EPA Guidance for Air Permit Applications," *The North Carolina Environmental Law Letter*, *6*, no. 5, 1995.

23. D. R. van der Vaart and J. C. Evans, "EPA's Latest Proposed Changes to the Title V Operating Permit Program," *The North Carolina Environmental Law Letter*, 6, no. 7, 1995.

24. D. R. van der Vaart and J. C. Evans, "Applicability under Case-by-Case MACT: 112(g) of the Clean Air Act," American Bar Association Symposium on the Environment, RTP, September, 1996.

25. D. R. van der Vaart and J. C. Evans, "Any Credible Evidence Rule," *The Environmental Law Letter*, 8, no. 1, 1997.

26. D. R. van der Vaart and J. C. Evans, "Requirements for Class I Impacts under the Clean Air Act," American Bar Association Symposium on the Environment, Asheville, NC, October, 1997.

27. John C. Evans, D. R. van der Vaart and Charles S. Carter, "The Title V Permit Shield: Can It Survive the Credible Evidence Rule?," *Environmental Manager*, April 1998, pp. 13 - 19.

28. D. R. van der Vaart and John C. Evans, "Regulators Clash over Title V Interpretations," in *North Carolina Environmental Insights*, vol. 3, no. 6, June 1998, pp. 2 - 3.

29. D. R. van der Vaart, and John C. Evans, "Proposed Requirements for Class I Impacts under New Source Review," *BNA Environmental Reporter*, 29, no. 15, pp. 763 - 767, August 7, 1998.

30. D. R. van der Vaart and John C. Evans, "New State Air Toxics Rules Compared," in *North Carolina Environmental Insights*," vol. 3, no. 8, August 1998, pp. 8 – 11.

31. C. S. Carter, and D. R. van der Vaart, "The Ozone Transport Dilemma: Is EPA's NO_X SIP Call the Solution?" *Natural Resources & Environment*, American Bar Association, Fall, 1998, pp. 394 – 402.

32. D. R. van der Vaart and John C. Evans, "Title V Permit Shield and Compliance certification" *Proceedings of the AWMA Environmental Permitting Symposium*, Feb. 17 – 19, 1999, pp. 991 – 997.

33. M. D. Huncik, and D. R. van der Vaart, "An Analysis of Visibility and Regional Haze," in *Proceedings of the AWMA Environmental Permitting Symposium*, Feb. 17 – 19, 1999, pp. 612 – 621.

34. D. R. van der Vaart, "Relaxation of NSR Avoidance Limits – Revisited," in *Air Pollution Consultant*, Volume 11, Issue 7, 2001, pp. 5.5-5.6.

35. D. R. van der Vaart and J. C. Evans, "Complaince under Title V: Yes, No, or I Don't Know," in *Virgina Environmental Law Journal*, vol. 21:1, 2002, pp. 1 – 70.

36. D. R. van der Vaart and John C. Evans, "Risk Based Standards for Hazardous Air Pollutants: Finally – A Win-Win for All," in *Environmental News* published by the N. C. Bar Association, Volume 14, no. 2, 2002, pp. 9 – 10.

37. John C. Evans, and D. R. van der Vaart, "EPA's Once in Always In MACT policy: The Controversy Continues" in *Environmental Manager*, February 2003, pp. 36 – 40.

38. D. R. van der Vaart and John C. Evans, "Title V Compliance in the Aftermath of Changes to the Part 70 Rules," *Environmental Manager*, May 2005, pp.23 - 26.

39. John C. Evans and D. R. van der Vaart, "EPA's Startup, Shutdown, and Malfunction Policy: "The Cart and the Horse Are in the Ditch?" in *ELR News and Analysis*, Volume 35, no. 7, July 2005, pp. 10474 – 10480.

40. D. R. van der Vaart and John C. Evans, "Location, Location, Location, Did *North Carolina* Go Far Enough?" *Vermont Journal of Environmental Law*, volume 10, issue 2, pp. 267-290, Winter 2009.

41. D. R. van der Vaart, "Permit Objections under Title V," ABA Section of the Environment, Energy, and Resources, 18th annual meeting, New Orleans, LA, September 29, 2011.

42. D. R. van der Vaart, "The Move to Micro-Scale Nonattainment Areas," *Trends*, ABA Environmental, Energy, and Resources Newsletter, May/June 2011.

43. John C. Evans, and D. R. van der Vaart, "When Maybe is Good Enough: The Title V Citizen Petition," *Environmental Law Reporter*, 41 ELR 10092, issue 2, 2011.

44. D. R. van der Vaart and John C. Evans, "GHG Regulation – The Siren Song of Cap-and-Trade," *Trends*, ABA Environmental, Energy, and Resources Newsletter, May/June 2012.

45. D. R. van der Vaart, John C. Evans, Charles S. Carter, "Clean Air Update," Annual Meeting of Environmental Section, NC Bar Association, Wilmington, NC, April 26, 2013.

46. D. R. van der Vaart and John C. Evans, “PM 2.5 Increment: Winners and Losers,” *Trends*, ABA Environmental, Energy, and Resources newsletter, vol. 45, (Nov., 2013).

47. D. R. van der Vaart and John C. Evans, “The Clean Air Act: An Environmental Veneer for Protectionism?” accepted for publication in *Environemtal Law Reporter*, 2013.

Patents

"A Novel Methane Oxidative Coupling Catalyst," Patent No. 5,321,185, awarded June 14, 1994.
“Oxidative Coupling Catalyst,” Patent No. 5,849,973, awarded December 15, 1998.

Licenses

North Carolina Professional Engineer
North Carolina Bar