# Committee on Science, Space, and Technology

## U.S. House of Representatives

**Witness Disclosure Requirement - "Truth in Testimony"**
**Required by House Rule XI, Clause 2(g)(5)**

| | | |
|---|---|---|
| 1. **Your Name:** DAVID A. DZOMBAK | | |
| 2. **Are you testifying on behalf of the Federal, or a State or local government entity?** | **Yes** | **No** ✓ |
| 3. **Are you testifying on behalf of an entity that is not a government entity?** | **Yes** | **No** ✓ |
| 4. **Other than yourself, please list which entity or entities you are representing:** | | |
| 5. **Please list any Federal grants or contracts (including subgrants or subcontracts) that <u>you or the entity you represent have received</u> on or after October 1, 2010:**<br>PLEASE SEE THE ATTACHED SHEET. | | |
| 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(ies) 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, 2010, 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:** | | |

**I certify that the above information is true and correct.**

**Signature:** David Dzombak **Date:** 7-21-2013

David A. Dzombak
Carnegie Mellon University

Federal Grants and Contracts Received Since October 1, 2010

July 21, 2013

"Improving Student's Professional Communication Skills by Employing an Integrated System of Learning Tools and Methods," National Science Foundation, Washington, DC, $200,000, S. Ishizaki, D. Dzombak, S. Rohrbach, and N. Werner, Principal Investigators (2012-2014).

"ICP-MS Measurement of Rare-Earth Elements in Brines," U.S. Department of Energy, National Energy Technology Laboratory, Pittsburgh, PA, A.K. Karamalidis, Principal Investigator (2012-2014). [I am not an official PI but I am co-supervising the PhD student who is the primary research assistant on the project.]

"Acid Gas Interactions with Seal Materials Under Geologic Sequestration Conditions," U.S. Department of Energy, National Energy Technology Laboratory, Pittsburgh, PA, $248,000, D.A. Dzombak and D.V. Nakles, Principal Investigators (2011-2013).

"Arsenic Dissolution from Arsenopyrite under Carbon Geologic Sequestration Conditions," U.S. Department of Energy, National Energy Technology Laboratory, Pittsburgh, PA, A.K. Karamalidis and D.A. Dzombak, Principal Investigators (2011-2013).

"Evaluating Potential Leakage of $CO_2$ through Seal Rock in Geologic Sequestration," U.S. Department of Energy, National Energy Technology Laboratory, Pittsburgh, PA, $73,500, D.A. Dzombak and G.V. Lowry, Principal Investigators (2007-2011).

"Modular Framework for Analysis and Optimization of Existing Plants with Water Minimization," U.S. Department of Energy, National Energy Technology Laboratory, Morgantown, WV, $421,237 (Carnegie Mellon contract), D.A. Dzombak and J. Abbasian/H. Arastoopour (Illinois Institute of Technology), Principal Investigators (2010-2013).

"Use of Treated Municipal Wastewater as Power Plant Cooling System Makeup Water: Tertiary Treatment versus Expanded Chemical Regimen for Recirculating Water Quality Management," U.S. Department of Energy, National Energy Technology Laboratory, Pittsburgh, PA, $740,550 (Carnegie Mellon contract), D.A. Dzombak and R.D. Vidic (University of Pittsburgh), Principal Investigators (2008-2012).