

Deanna M. Huff  
193 Palace Circle #2  
Fairbanks, AK 99701  
E-mail: fsdmh22@uaf.edu  
Phone: 907-479-0366

**Education:** Bachelor of Science, Metallurgical Engineering May 1996  
Michigan Technological University, Houghton, MI

**Experience:**

**Current:**

**University of Alaska Fairbanks**

Research Assistant June 2006-present

PhD Graduate Student in Environmental Chemistry

*Thesis Project:* Investigating the role of Aerosols and N<sub>2</sub>O<sub>5</sub> Heterogeneous Hydrolysis in high latitude conditions.

Teaching Assistant August 2005-May 2006

General Chemistry Laboratory I and II

**Professional:**

**Eltron Research**

May 2001-July 2005

Research Associate- Boulder, CO

Manage contract SEM/EDS (scanning electron microscope/energy dispersive spectroscopy) business from start up, marketing and trade shows to client pricing and projects.

Extensive research on catalyst coatings and gas separation technologies.

Responsible for constructing and testing electrochemical cells that detect nitrate and nitrite.

Technical writing of weekly and monthly reports and web conference materials for clients.

**Svedala Pumps and Process**

November 1997-March 2000

Application Engineer- Colorado Springs, CO

Responsible for customer sales support and engineering product applications in the western region for slurry pump systems.

Assisted in the implementation of a marketing plan that established two new submersible pump distributors in the U.S.

Traveled internationally to trade shows to review products and give presentations on new Svedala pump information.

**Manuscripts in Progress:**

Randy L. Apodaca, Deanna M. Huff, William R. Simpson (In preparation), Observations on high-latitude  $\text{NO}_x$  oxidation and the role of  $\text{N}_2\text{O}_5$  heterogeneous hydrolysis.

**Skills:**

Analytical:

SEM, EDS, AA, TGA, GC, UV-VIS, HPLC and XRD.

Computer:

Igor and programming in Igor

Excel