

## **Curriculum Vitae**

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**Carol Ann Gross-Davis, MS**

### **EDUCATION**

- Drexel University ,Philadelphia, Pa , Engineering Geology Program  
Master of Science in Engineering May 2002
- Cabrini College  
Bachelor of Science in Biology, May, 1991

### **ACADEMIC EXPERIENCE**

- Drexel University  
Adjunct instructor, 1/2005 to 08/2007, Assistant Professor, 9/2007 to present
- University of Pennsylvania, School of Public Health  
Adjunct Instructor, 1/2007 to present
- Arcadia University  
Adjunct Instructor, 5/2005

### **COURSES TAUGHT**

- PUBH 503 University of Penn School of Public Health, MPH Program, Introduction to Environmental & Occupational Health Spring 2007
- BIO 161 – General Biology Drexel University Spring 2007, Drexel University 2006, Fall, Drexel University 2005
- BIO 162 – General Biology Fall, Drexel University 2006, winter Drexel 2006, winter Drexel University 2005
- BIO 163 – General Biology : Winter 2007, Winter 2006 and Summer Drexel 2006
- ES 506 -Society and the Environment (Graduate course) - Arcadia University, 2005

### **PROFESSIONAL EXPERIENCE**

- Environmental Protection Agency, Philadelphia Office, Environmental Assessment and Innovation Division Environmental Innovation Branch, NEPPS Coordinator  
April 1, 2006 to September 1, 2007
- Environmental Protection Agency, Philadelphia Office, Hazardous Waste Cleanup Division, Brownfields and Site Assessment Section  
July 20, 2003 to March 30, 2006
- Environmental Protection Agency, Philadelphia Office Water Protection Division, Office of Watersheds  
April 1991 to July 20, 2003

**United States Environmental Protection Agency (EPA), Region 3 Philadelphia**

1650 Arch Street, Philadelphia, PA 19103

Environmental Scientist

April 1991-present, Specific Programs within EPA:

**Program:** Environmental Assessment and Innovation Division, Environmental Innovation Branch, National Environmental Partnership Programs.

4/ 2006 to Present

**Program:** Hazardous Site Cleanup Division, Office of Brownfields Program

July 2003 to 4/2006

**Duties:** Working with Communities on redevelopment Projects. Project Officer duties for multiple Cooperative agreements, including review of grant applications, deliverables, and quarterly reports, preparation of amendments, general oversight, and update of Brownfields Management System information.

**Program:** Water Protection Division, Office of Watersheds

Date: 5/2001 to 5/12/2004

**Duties:** Served as a technical authority responsible for maintaining developing and evaluating water quality models and other water quality analysis methods used to develop Total Maximum Daily Loads (TMDLs) under the Clean Water Act. Provided direction to States in dealing with the evaluation of unique water quality situations involving complex pollutants (such as PCBs and dioxin), physical conditions and multiple pollutant sources. Also coordinated with other EPA programs (Air, Superfund) to attempt to develop technical procedures for including impacts from these programs in any TMDL develop. Represented the Region 3 TMDL program at many public meetings and national conferences. Served as Team leader for technical issues for staff

**Program:** Water Protection Division, Office of Watersheds

Date: 4/1997 to 5/2001

**Duties:** Responsible for managing and implementing the Total Maximum Daily Load Program in West Virginia. Included selection of TMDLs for year, placing these selections out for public comment, working with and participating in projects with Tetra Tech for development of TMDLs, working closely with contractor and states to prepare draft TMDL, writing public notice and press release for draft TMDLs, responding to extensive comments for each TMDL and finalizing TMDL by tight deadlines prescribed in the Consent Decree.

**Program:** Water Protection Division, Office of Watersheds

Date: 1/28/96 to 4/1997

**Duties:** Managed and provided technical guidance to West Virginia relative to their triennial review of their Water Quality Standards. Provided technical guidance and support to WV in conducting site-specific criteria and use attainability studies, reviews final products of these studies and make recommendations for approval/disapproval.

**Program:** Chesapeake Bay Program Office

Date: 11/6/95 to 1/27/96

**Job Title:** Environmental Scientist, Detail Assignment: GS-1301-12-2

**Duties:** Worked on a project to define and implement a methodology for designating priority sub-watersheds of the Bay watershed for use in targeting regulatory and other programmatic activity of EPA Region III. Worked on developing 2 CBP Environmental Indicators.

**Program:** Water Protection Division  
Date: 7/94 to 11/95

**Duties:** Oversight of the West Virginia NPDES Enforcement Programs through appropriate tracking and communication to ensure compliance with regulations.

**Program:** Water Protection Division  
Date: 9/91 to 7/94

### **Special Accomplishments and Awards**

**Bronze Medal for Commendable Service** **April 2004**  
For completing a complicated PCB TMDL with Region 2 and 3 and with coordination of industry and environmental groups under extremely tight court ordered deadlines.

**GOLD Medal for Exceptional Service** **May 15, 2003**  
For pioneering work in TMDL development for West Virginia resulting in 20% of the national effort, significant water quality improvements, and cost saving to the national program.

**Bronze Medal for Commendable Service** **April 2002**  
For exceptional achievement of the TMDL team and meeting the aggressive deadlines while leading the nation in the total number of TMDLs completed.

**Peer Award, Water Protection Division** **May 11, 2000**  
Recognized for earning the respect of colleagues by demonstrating a commitment to our mission really supporting other members of the team in their work.

**Quality Step Increase (QSI)** **May 2000**  
Outstanding leadership in the regional effort for the allocation of loadings to individual sources, conducting public hearing, responding to comments on draft TMDLs and issuing the Final TMDLs.

**Bronze Medal for Commendable Service** **April 1998**  
For exceptional achievement in developing TMDLs in West Virginia and Delaware, the first TMDLs developed in Region III.

**Special Act Award** **1997**  
For extraordinary effort in development and public review of the TMDLs in the face of extremely tight deadlines.

**Special Act Award** **January 1996**  
Member of the Chester Project for assessing Multi-media Environmental Impacts in Chester and surrounding communities. responsible for compiling data on drinking water quality.

**Bronze Medal for Commendable Service** **January, 1994**  
For exceptional achievement in presenting environmental information used to select regional goals and direct agency activity toward the highest priority environmental problems.

**Bronze Medal for Commendable Service** **January, 1993**  
In recognition for the continued efforts on the "WISE Poem and Poster Contest" to advocate environmental education throughout local public and private primary schools within the Philadelphia commuting area.