Amanda L. Bucci
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Employment History

2009 – Present: CarriageHouse Consulting, Inc., Natick, MA
Environmental Scientist

Jan. – Mar. 2009: Albany Department of Environmental Conservation
Intern, Hazardous Material and Solid Waste Department

Education

B.A., Environmental Studies, **Union College, Schenectady, New York**

- Overall GPA: 3.33/4.0; GPA in major: 3.32/4.0

Relevant Coursework & Publications

Chemistry of the Environment focused on atomic and molecular structure, chemical bonding, stoichiometry, the nature of chemical reactions (acid rain, leaching, etc.), and the properties of gases, liquids, solids and solutions, and applying these principles in context of the environment, materials, and medicine.

Geology Classes included Climate Change Dynamics, Environmental Geology, Natural Disasters, Geology of New Zealand and Living on the Edge: Alaska. Each class had an intensive classroom, laboratory, and field exercises, including group projects in both New Zealand and Alaska on mapping surficial geology, stratigraphy and depositional environments; investigating glaciation, earthquakes, volcanoes, fault systems, and other hazards which occur when tectonic plates collide.

Ecology Marine Ecology of Australia, and Terrestrial Ecology of Australia combined classroom lectures and field-based learning with essays and research reports and projects to provide an understanding of the marine and terrestrial systems. Sampling techniques, and experimental design and statistics were used in the field to investigate hypotheses and create a background for thesis statements. Terrestrial Ecology of Australia looked at continental drift in Australia's past tectonic history to explain the distinct and rare flora and fauna of Australia. Field activities included projects in sub-tropical rainforests, eucalyptic forests, and in the arid environment of Australia to examine flora and fauna survival in the harsher environments.

Environmental Studies was an introduction to the study of environmental studies from both a policy and a scientific perspective. Topics include human population dynamics, pollution and remediation, global warming, acid rain, and biodiversity. Fieldwork during lab periods involved the investigation of local environmental problems.

Other relevant courses include Environmental Ethics, Environmental, Economics, Environmental Anthropology, Ecotheology, Environmental, Literature & History, Nature and Environmental Writing, and Environmental Policy, in which the humanities and soft sciences were, all intensely examined through literature, philosophy, economics, anthropology, and religion.

Bucci, A. and Garver, J.I., 2009. Timing of slumping determined from growth asymmetry in *Tsuga*

candensis, Mohawk Watershed, NY. *Geological Society of America Abstracts with Programs*, Vol 41, No. 3, p. 26.

Bucci, A.L., and Garver, J.I., 2009. The temporal pace of landslide movement determined from growth asymmetry in *Tsuga Canadensis*, Bowman Creek, Mohawk River Watershed, NY in Cockburn, J.M.H. and Garver, J.I., *Proceedings from the 2009 Mohawk Watershed Symposium*, Union College, Schenectady NY, 27 March 2009.

Northeastern Environment and Geology Journal, 2009

Professional Summary

Ms. Bucci's work at CarriageHouse thus far includes providing professional services to clients throughout New England and New York. The focus of these projects for retail petroleum dealers and vehicle rental firms includes soil and water sampling, excavations, report drafting, site plan drafting, and GIS management.

Ms. Bucci has worked as a field technician and technical support for a major trucking company as well as other regional petroleum marketers, and property management and development firms. She has been responsible for assisting in emergency response, short-term, and comprehensive response actions at retail stations, and inter-modal trucking and transport locations.

Core skills And Project Experience

Ms. Bucci works on a variety of projects for CHCI clients. Recently, she completed preparation of an Environmental Impact Assessment for upstream exploration and production activities for a major international oil company. Her ongoing field work includes groundwater monitoring and sampling, soil screening and sampling, as well as logistical and technical support for site assessment work, ISCO, injection supervision and monitoring.

Additional responsibilities include interfacing with local, municipal, and state regulating agencies for procurement of permits and licenses, and managing staffing and budgetary requirements for a variety of client engagements.

Examples of Recent Field Work:

Field Technician, South Boston, Massachusetts. Assisted in injecting surfactant into injection points around a NAPL source area and monitored geochemical parameters post injection.

Field Technician, Quincy, Massachusetts. Assisted in injecting RegenOX at a contaminated source area well, and monitored geochemical parameters post injection.

Field Technician, Leominster, Massachusetts. Oversaw three (3) UST tank removals during a retail gas station renovation, and collected end-point samples.

Field Technician, Portland, Maine. Conducted a Drain Inspection of a facility to confirm discharge locations and see that piping is in tact.