Crystal Lambert
Building and Environmental Health Official
Gunnison County
221 N. Wisconsin Street Suite D
Gunnison, CO 81230

Subject: Letter of Interest- Gunnison County Environmental Health Board.

January 12, 2018

Ms. Lambert:

I am pleased to apply for the Gunnison County Environmental Health Board. I look forward to learning more about this opportunity to support responsible decision making in Gunnison County.

In 2006 I graduated with honors from Montana State University with a bachelor's degree in Environmental Science. I completed several courses in soils, watershed hydrology, reclamation science and environmental chemistry. I worked collaboratively on soil quality research that was the basis for an article published in the Journal of Environmental Quality.

I currently serve as a technical coordinator for three local watershed groups. I also support other local agencies in their efforts to comply with environmental regulations or improve environmental health. This work includes water quality data collection, analysis, data management and GIS analysis to support water quality improvement projects. Historic abandoned mines are often the primary source of water quality impairment in these watersheds. I have designed monitoring plans and prepared initial reclamation designs to support project funding, implementation and to evaluate outcomes.

If I can provide any additional information in support of this application, please do not hesitate to contact me. I have attached my resume for your reference. Thank you.

Sincerely,

Ashley Bembenek
Principal Scientist and Owner
Alpine Environmental Consultants LLC
970-251-0029
abembenek@yahoo.com

Enclosure: Bembenek Resume.pdf

ALPINE ENVIRONMENTAL CONSULTANTS LLC

WATER QUALITY AND ENVIRONMENTAL SCIENCE EXPERTISE

ASHLEY BEMBENEK

Principal Scientist and Owner
Alpine Environmental Consultants LLC 12/2010 – Present
Crested Butte, Colorado

SUMMARY

- Provide scientific and technical expertise to municipalities, special districts, watershed groups, and other clients.
- Synthesize data and stakeholder input to create watershed plans, technical comments or similar reports.
- Compile data from multiple sources for detailed water quality and environmental analyses. Analyze data sets across multiple scales including spatial and temporal analyses. Use GIS for spatial analysis and to create high quality maps.
- Plan and coordinate water quality sample collection events and various implementation projects.
- Manage water quality data in appropriate formats for data sharing and submission to regulatory agencies.
- Extensive familiarity with Colorado Water Quality Control Commission (WQCC) rulemaking hearing procedures and procedural rules.
- Extensive familiarity with WQCC water quality regulations, EPA guidance documents, and common water quality and watershed funding sources.

RELEVANT PROJECTS

Coal Creek Temporary Modifications and Site-Specific Standards: Lead technical consultant for the Town of Crested Butte, Gunnison County, and other local parties. Collected, compiled, and analyzed water quality data to create recommendations for water quality standards during several WQCC rulemaking hearings and stakeholder meetings.

Regulation 35 Hearing- Temperature Standards: Lead technical consultant for NWCCOG-QQ and Upper Gunnison River Water Conservancy District. Evaluated stream temperature data to create recommendations regarding temperature standards in the upper Gunnison River basin.

Upper Slate River Watershed Plan Author: Created a watershed plan to address stakeholder concerns by incorporating existing data, identifying data gaps, and building partnerships to execute the watershed vision. Assured that the plan clearly addresses EPA guidelines to satisfy requirements for Nonpoint Source Program (NPS or 319) funded projects.

ALPINE ENVIRONMENTAL CONSULTANTS LLC

WATER QUALITY AND ENVIRONMENTAL SCIENCE EXPERTISE

EDUCATION

Bachelor's of Science with honors in Environmental Science: Soil and Water Science Option
Montana State University Bozeman, MT 12/2006

- Cumulative GPA of 3.68
- Western Undergraduate Exchange Scholar
- Undergraduate Scholar's Program Research Awards ($ 2,200)

Relevant Coursework:

Introductory Soils	Nutrient Cycling	Groundwater Hydrology
Pedology	General Biology I	Surface Water Resources
Soils Field Course	General Biology II	Limnology
General Chemistry I	Statistics	Ecology
General Chemistry II	Soil and Environmental	Restoration Ecology
Organic Chemistry	Microbiology	Land Reclamation
Soil and Environmental	Calculus	Geomorphology Seminar
Chemistry	Watershed Hydrology	

PROFESSIONAL PUBLICATIONS

Bembenek, A. "Monitoring and Evaluating Reclamation Outcomes: A Case Study of the Roy Pray Mine, near Lake City, Colorado." 2011. Colorado Mesa University Water Forum.

Bembenek, A. Dusenberry, M. and Engel, R. "Effect of Urea-nitrogen Fertilizer Placement on N2O Emissions from a Silt Loam Soil." 2006 ASA-CSSA-SSSA International Meetings, Indianapolis, IN

Bembenek, A. and Brown, D.J. "Improving Temporal Resolution of Extreme Fluvial Events Recorded in Ugandan Dambo Soils Using Optical Age Chronology." 2006. Undergraduate Scholars Research Program, Montana State University.

Harvey, K.C. Brown, D. DeJoia, A. and Bembenek, A. "Managed Irrigation with Coalbed Natural Gas Produced Water: Science-based Planning, Design, Operations, Monitoring and Closure." 2007 ASA-CSA-SSSA International Meetings, New Orleans, LA.

Harvey, K.C. Brown, D. DeJoia, A. and Bembenek, A. "Managed Irrigation with Coalbed Methane Produced Water: Changes in Soil Chemistry and Morphology Through Time." 2007 ASA-CSSA-SSSA International Meetings, New Orleans, LA.

Engel, R. Liang, D.L. Wallander, R and Bembenek, A. "Effect of Granular Urea Placement on Nitrous Oxide Production from a Silt Loam Soil." 2008. 45th Annual Alberta Soil Science Workshop, Lethbridge, Alberta, Canada

Engel, R. Liang, D.L. Wallander, R and Bembenek, A. "Influence of Urea Fertilizer Placement on Soil Nitrous Oxide Production from a Silt Loam Soil." 2010. Journal of Environmental Quality.

Complete resume available at https://www.linkedin.com/in/ashley-bembenek-87b53949/