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# DANIKA HILL-PAULUS

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## EDUCATION

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**Master of Science in Environmental Science** **Aug. 2016**

University of Idaho, Moscow, ID

Thesis: *Monitoring the transport of chemicals of emerging concern (hormones, antibiotics, and pharmaceuticals) from dairy manure and biosolids through the Snake River Plain in southern Idaho*

**Bachelor of Arts in Chemistry and Environmental Studies, cum laude** **June 2014**

Knox College, Galesburg, IL

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## WORK EXPERIENCE

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**Milwaukee Health Department — Environmental Health Division** **April 2018 – present**

*Emergency Preparedness Environmental Health Coordinator*

*May 2022 – present*

- Serve as a Safety Officer for MHD, ensuring OSHA requirements and policies are met
- Represent the City of Milwaukee on many federal and local committees including: EPA's Area of Concern Beaches and Estuary Workgroup; local EPA chapter of the Local Emergency Planning Committee; Milwaukee Extreme Weather Taskforce
- Project lead with the CDC EMERGE Grant to make environmental-level COVID-19 interventions and community-wide Indoor Air Quality improvements throughout Milwaukee

*Radiation Safety Officer*

*Oct. 2019 – present*

- Manage radiation safety program including annual internal audit of the X-Ray Fluorescence (XRF)

*Environmental Health Coordinator*

*March 2019 – May 2022*

- Independently created a multi-month technical training curriculum for the Lead Risk Assessor position, and have now trained 12 new employees
- Collaborated in programmatic development, including writing and reviewing department policies

*Lead Risk Assessor*

*April 2018 – March 2019*

- Conducted lead inspection-risk assessments in homes and educated families on health hazards and prevention of lead poisoning

**University of Idaho — Soil and Water Systems, Moscow, ID**

**Aug. 2014 – Aug. 2017**

*Research Specialist, Graduate Student*

*Aug. 2014 – Aug. 2017*

- Monitored multiple projects with water quality and agricultural applications, including emerging water quality issue of metals and pharmaceuticals in waste
- First author of two scientific publications
- Coached undergraduate students and full-time employees
- Independently maintained laboratory equipment

**Northwest Management Inc., Moscow, ID**

**May – Aug. 2017**

*Environmental Consultant*

- Analyzed Best Available Science to determine best management practices for riparian buffers during forestry harvest for the state of Washington

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## CERTIFICATIONS

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NEHA Registered Sanitarian/Registered Environmental Health Specialist 2021 – current  
Lead Risk Assessor 2018 – current

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## PUBLICATIONS

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Hill, Danika, Morra, M. J., Stalder, T., Jechalke, S., Top, E., Pollard, A. T., & Popova, I. (2021). Dairy manure as a potential source of crop nutrients and environmental contaminants. *Journal of Environmental Sciences*, 100, 117–130.

Adelsberger, K. A., Lewis, J., Dodd, J. P., Hill, Danika, Smith, J. R., & Garcea, E. A. A. (2020). Mid-Holocene environmental change and human occupation at Sai Island, Northern Sudan. *Geoarchaeology*, 1–16.

Hill, Danika N., Popova, I. E., Hammel, J. E., & Morra, M. J. (2019). Transport of Potential Manure Hormone and Pharmaceutical Contaminants through Intact Soil Columns. *Journal of Environmental Quality*, 48(1), 47–56.

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## EDUCATION & OUTREACH

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### **University of Idaho, Moscow, ID**

*Instructor, Soils 206*

*Fall 2016 – Spring 2017*

*Teaching Assistant, Environmental Science 101*

*Fall 2014 – Fall 2015*

Primary instructor for the Introduction to Soils laboratory; Many labs were rewritten, reorganized, and two new labs on nutrients and climate change were added to the repertoire.

### **Camp Counselor, Paradise Ridge Adventure Camp, Moscow, ID**

*Summers 2016 and 2017*

Taught children aged 5 – 14 interpersonal skills such as teamwork and communication as well as plant identification, nature crafts, and outdoor survival skills.

### **Camp Counselor, Frost Valley Farm Camp, Claryville, NY**

*Summers 2011 and 2012*

Self-designed, week-long lesson plans and games taught children ages 7 – 14 the importance of locally grown foods, sustainable agriculture, and elementary ecology.

### **Knox Prairie Community Kitchen Liaison, Galesburg, IL**

*Spring 2011 – Spring 2014*

Provided free meals to the citizens of Galesburg IL every other week. Worked as liaison between Knox College and the Galesburg community by writing a bimonthly newsletter featuring educational events occurring in the surrounding area; and programmed children's activities about gardening and healthy eating

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## HONORS AND AWARDS

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Outstanding Graduate Student in Environmental Science, University of Idaho

Spring 2016

Outstanding Senior in Environmental Science, Knox College

Spring 2014

Outstanding Senior Award in Science, Neuqua Valley High School

Spring 2010