MINI GRANT PROJECT SUMMARY

Please complete the project summary and return the completed form to April Snyder, Associate Administrator for the Institute on the Environment at aprilsnyder@umn.edu. Paper copies will not be accepted. Please also attach any photos, publications, brochures, event agendas or other materials that were a result of the mini grant summary.

<table>
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<tr>
<th>Date of Report Submission:</th>
<th>November 14, 2013</th>
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<tr>
<td>Project Title:</td>
<td>NIH Proposal Preparation for Superfund Hazardous Substance Research and Training Program Center</td>
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**Project Context & Purpose**

*Please include the original project purpose statement and revise for any changes that occurred in the project after the start date with a short explanation of the changes.*

To catalyze the development of a research team to develop a proposal to the National Institutes of Health for a Superfund Hazardous Substance Research and Training Program center. The proposals require collaboration between faculty in biomedical/public health disciplines and faculty in non-biomedical disciplines (e.g., engineering, physical science). To successfully compete, the project teams must have evidence of working together and cohesive set of R01-like research proposals (five to seven in total) and plans for administration, education, outreach, analytical, and statistical cores.
Please provide a summary of the work that was completed for the mini grant project.

The group met three times to discuss potential collaborations, develop a working rapport, and explore potential themes for a major center proposal.
Partnerships & Collaborations

Please provide a summary of the project personnel, partnerships and collaborations that worked directly on the project or were started as a direct result of the mini grant project.

The meetings included William Arnold and Paige Novak (Civil Engineering, College of Science and Engineering), Philip Buhlmann and R. Lee Penn (Chemistry, College of Science and Engineering), Michael Sadowsky (Department of Soil, Water, and Climate, College of Food, Agricultural, and Natural Sciences, and Director of the Biotechnology Institute), and Matt Simcik, Lisa Peterson, and Elizabeth Wattenberg (Division of Environmental Health Sciences, School of Public Health).

As a result of these meetings, proposals were submitted to the University of Minnesota for equipment (Peterson, Simcik, Arnold, Novak) and for Grant-in-Aid support (Novak, Simcik, Wattenberg), to the State of Minnesota via LCCMR (Novak and Simcik), the National Science Foundation (Novak and Simcik) and to the Department of Defense (Simcik and Arnold). Of these, the Grant-in-Aid ($25,000), the LCCMR ($279,000), and DoD proposals ($825,000) were successful (pending final approval).

One of the goals was to initiate R01 funding, but given the lack of appropriate calls and sequestration, this proved difficult.
New collaborations and research efforts were spawned by the meetings. These efforts will develop the relationships and data necessary for the writing of a large center proposal. The long term goal is still to pursue major funding for common research interests from the NIH Superfund or other programs.