**F. Project Manager Qualifications and Organization Description**

Project Manager Qualifications and Organization Description

Project Manager: David Mulla

Current Position: Professor and Larson Chair for Soil and Water Resources; Dept. Soil, Water & Climate; University of Minnesota. This department is ranked nationally in the top 5 for research productivity and quality on soil, water and environmental quality issues.

Education:

* Ph.D (1983) Purdue Univ.; W. Lafayette, IN
* Agronomy with emphasis on Soil Physics
* MS: (1981) Purdue Univ.; W. Lafayette, IN
* Agronomy with emphasis on Soil Chemistry

Experience:

Thirty six years experience in research on soil and water resources at two Land Grant Universities (Washington State Univ. 1983-1995; Univ. Minnesota 1995-present). Appointed Founding Fellow to Univ. MN Institute on Environment in 2007. Elected Fellow Soil Science Society of America (1997) and Fellow American Society of Agronomy (1999). Pioneer in research on Precision Agriculture and Precision Conservation. Co-leader of Energy Production and Use Team for LCCMR Statewide Conservation Plan (2008). Member, Scientific Advisory Panel for Lake Pepin TMDL Process, St. Paul, MN. (2005-present). Member, Gulf of Mexico Hypoxia Task Force for White House Committee on Environment and Natural Resources, (1998). Team Leader Environ. Quality Board GEIS Animal Agriculture Water Quality Impacts (1999-2001). Published 190 refereed articles on Soil and Water Resources in scientific journals. Awarded over $21 million in scientific research grants. Invited to present research findings at conferences and workshops in 25 countries around the world.

--Major projects have included:

* Generic Environmental Impacts Study of Animal Agriculture. Funded by Environ. Quality Board for $132,000 from 1999-2001.
* Paired watershed nutrient reduction strategies. Funded by USDA-CSREES for $539,000 from 2001-2005.
* Minnesota Statewide Conservation and Protection Plan. Funded by ENRTF for $496,000 from 2007-2008.
* Statewide ecological ranking of CRP and other critical lands. Funded by ENRTF and Emerging Issues Fund for $275,000 from 2009-2011.
* Strategic planning for MN natural and artificial watersheds. Funded by ENRTF for $327,000 from 2010-2012.
* Innovations for sustainable food, water and energy supplies in intensively cultivated regions. Funded by NSF for $2,500,000 from Oct. 1, 2017 – Sept. 30, 2021.

Organization Description

The University of Minnesota is both the state land-grant university, with a strong tradition of education and public service, and the state's primary research university