

Select Five Number SF0049

Requesting Entity Name Office of MN.IT Services

Request Title Agricultural Water Quality Certification program (MAWQCP) Assessment Tool

Request Description \*Develop a web-based calculator that facilitates population of the nutrient management section of the current assessment tool, and modify the nutrient management section to incorporate the diversity of management plans. The calculator is based on the Access database Nutrient Management Planner for Minnesota, version 4.0, managed by National Resource Conservation Service (NRCS) and U of MN Extension. Like the assessment tool, no data will be stored on MDA servers but users will be able to save data packet on the computer that is running the web-based calculator. \*User will begin with a field and rotation builder. Here users will be able to view a map to identify their fields and query information such as water features, highly erodible lands, tile intakes and pour points where applicable data is available. Additionally, users will be able to edit the map to add buffer areas, location-specific soil test results, cropping rotations and conservation practices. After identifying and delineating the fields, users return to the field library to build their rotations. The rotation builder will utilize pre-selected templates or facilitate the creation of new template rotations. the rotation builder will also evaluate the feasibility of feature import functionality from precision ag software platforms and populate the nutrient management section. There are a variety of precision ag software systems available and most of them are proprietary so at this point it is unknown on the feasibility to import files from them and the level of effort it might take to program. Planned or existing nutrient management practices can be entered including removal and addition credits from previous crops or manure application. \*A summary page with the field name, map with associated features and concise nutrient management practices will be produced. Users then have the option to generate a .pdf to serve as a quick-reference hardcopy plan and/or auto-populate the existing MAWQCP assessment tool application. The quick reference guide will contain the necessary components to serve as stepping stones to Minnesota Pollution Control Agency (MPCA) manure management plans and NRCS programs such as CP590.

#### Contract(s) Awarded

Contract ID 97168

#### Entity Type

#### State Agency

Information on contracts executed by an entity type of State Agency can be found using the contract ID in the MN Open CheckBook under TransparencyMN located at <http://mn.gov/mmb/transparency-mn/>.

For information on contracts executed by an entity type other than State Agency you will need to contact that entity directly using the contact information that was provided in the Select Five.