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RESERVE

## Nitrogen Management Project Protocol Summary of Changes from Version 1.0 to 1.1

October 10, 2012

- Added language to clarify the role of the “project agent” for purposes of defining the scope of required regulatory compliance. (Section 2.3 and 3.6)
- Added clarifying language to Section 3.3 on the ability to generate CRTs only in eligible crop years.
- Corrected contradictory text on Farm Bill conservation compliance provisions to clarify when highly erodible lands (HEL) and wetlands can be eligible under this protocol. (Section 3.4)
- Revised “Applicability Conditions” based on technical revisions to Section 5. Specifically, allow for tile drains and added clarifying language, particularly with regards to emergency irrigation. (Section 5.1)
- Added the term “baseline look-back period” to the glossary, and used this term to clarify language throughout the protocol. (Section 5.2.1 and 9)
- Changed quantification of LVRO emissions to include tile drains and additional guidance on determining  $Frac_{LEACH}$ . (Section 5.3.2 and Appendix E)
- Clarified how to properly take the average for baseline  $N_2O$  emissions (Section 5.2.1, 5.3.1, and 5.3.2), and clarified whether N rates were annual or average values throughout Section 5.
- Revised structural uncertainty methodology (Equation 5.15) to incorporate a change the Reserve previously said would be made in the Staff Response to Public Comments (Version 1.0). Specifically, the revision allows for structural uncertainty to be scaled based on the number of fields enrolled at the program-level, instead of at the aggregate-level, by introducing the Uncertainty Adjustment Factor (UAF), which will be published on the Reserve website. (Section 5.3.4)
- Added additional parameters to Table 6.1. (Additional parameters will also be added before Version 1.1 is finalized.)
- Updated reporting requirements to note whether HEL or wetlands are present in reports and updated recordkeeping requirements to include documentation of USDA NRCS determinations. (Section 7.2 and 7.3)
- Updated verification requirements to include verification of HEL, wetlands, and tile drains and edited to clarify text. ( Table 8.1, 8.2, and 8.3)
- Added Appendix E to explain the methodology for determining  $Frac_{LEACH}$  values and the process for looking up these values in Reserve reference maps, which will be available on the Reserve website.