# Management Area Rules and Regulations

## Phase I Requirements –

All operators within the district are subject to the requirements of Phase I.

1. ***Fall Applied Anhydrous Ammonia***
   Application of fall anhydrous ammonia before November 1 is prohibited.

2. ***Pre-Plant Liquid or Dry Nitrogen Formulations***
   Pre-plant nitrogen applications in liquid or dry forms are prohibited before March 1.

3. ***Exemptions to Items 1 & 2***
   The application of nitrogen fertilizer for any purpose other than fertilizing spring planted crops.
   - The application of nitrogen fertilizer for spring planted small grains such as barley, oats and rye.
   - The application of fertilizer that is not considered a "nitrogen fertilizer" as defined in Rule 5 of the District Ground Water Management Rules and Regulations.
   - The spreading of manure, sewage and other by-products conducted in compliance with state laws and regulations.

## Phase II Requirements –

All operators of land within district Management Zones 1, 2, 3, 4, 5, 6, and 11 are subject to the requirements of Phase II. Refer to the map on page 3 for Phase II areas. Phase II operators are required to follow all Phase I requirements in addition to the following:

1. ***Nitrogen Certification Training***
   Farm operators must attend a nitrogen certification training once every 4 years.

2. ***Irrigation Scheduling***
   Irrigation scheduling equipment is required in at least one field in a Phase II area. The equipment should be installed in the largest field you operate. Examples of irrigation scheduling equipment are:
   - Capacitance Probes
   - Resistance Blocks
   - Other methods approved by the District

3. ***Soil Sampling Requirements***
   Soil samples are required in years when corn or sorghum will be grown following a non-legume crop and/or when livestock, municipal or industrial waste has been applied within the last 12 months.
   A minimum of:
   - 1 composite 0-8" sample per field analyzed for organic matter and residual nitrogen, and
   - 1 composite 8-24" sample per field analyzed for residual nitrogen are required.

   For soil sampling purposes, a field is defined as one where the crop and irrigation practices are the same.

4. ***University of Nebraska Recommended Nitrogen Fertilizer Application Rate***
   Prior to applying nitrogen fertilizers, the operator must calculate the recommended application rate based on the University of Nebraska's nitrogen fertilizer recommendation equation. The UNL nitrogen recommendation equation takes into account the residual soil nitrogen from your soil analysis and other nitrogen credits.

5. ***Reporting Requirement***
   An annual report is required for all dryland and irrigated fields by April 1. The report steps you through the University's Nitrogen Recommendation Equation. A copy of your soil analysis must accompany the report.

## Phase III Requirements –

All operators of land within district Management Zone 5, 6, and 11 are subject to the requirements of Phase III. Phase III operators are required to follow all Phase I and II requirements in addition to the following.

1. ***Soil Sampling Requirements***
   Soil samples are required in years when corn or sorghum will be grown following a non-legume crop and/or when livestock, municipal or industrial waste have been applied within the last 12 months. A minimum of:
   - 1 composite 0-8" sample per 40 acres or any portion thereof, analyzed for organic matter and residual nitrogen
   - 1 composite 8-24" sample per 40 acres or any portion thereof, analyzed for residual nitrogen are required.
2. ***Irrigation Water Sampling***
   All irrigation wells must be sampled and tested for nitrate once every 3 years. You are free to use any lab you wish, but the NRD offers nitrate testing free of charge.

3. ***Fall and Winter Application of Anhydrous Ammonia***
   All anhydrous ammonia applied between the dates of November 1 and February 29 must be applied with a district approved nitrification inhibitor. Active ingredients include: Nitropyrin, Pronitridine, and Dicyandiamide. A receipt as proof of purchase must accompany your annual report. ♦♦♦