

**RULE 5 – UPPER BIG BLUE NATURAL RESOURCES DISTRICT
GROUNDWATER MANAGEMENT RULES AND REGULATIONS**

**REGULATIONS FOR
GROUNDWATER MANAGEMENT AREA #2**

DRAFT CHAPTER 22 – PHASE II REQUIREMENTS DRAFT

- 01 Phase I requirements continued in Phase II –
All Phase I requirements continue to be in force in Phase II.
- 02 Phase II Operator training –
Within two (2) years following the designation of a Phase II Management Area, all Operators of land of irrigated crop land greater than twenty-five (25) acres in size in the designated Management Area must are required to attend a Natural Resources District approved training session and be certified by the District. **All other operators within the District may participate in training and certification sessions to gain a better understanding of Best Management Practices.** Training and certification must be renewed every four (4) years. The District will accept certification by other Natural Resources Districts. Renewal certification may be received by District approved methods which may include: Attending a Natural Resources District approved training session; Passing a Natural Resources District approved test; Completing a Natural Resources District approved home study course.
- 03 Phase II soil sampling –
Prior to applying nitrogen fertilizer each year, the Operator must obtain analysis for at least one (1) composite, zero to eight inch (0-8”) soil sample per field for organic matter and residual nitrogen and one (1) composite eight to twenty-four inch (8-24”) soil sample per field for residual nitrogen in years that corn or sorghum will be grown following a non-legume crop and/or when livestock, municipal or industrial waste was applied within the last twelve (12) months.
- 04 Phase II nitrogen needs calculations –
Prior to applying nitrogen fertilizer, the Operator must calculate the nitrogen application rate needed for each field.
Calculations must be based on University of Nebraska recommended procedures and must account for soil analysis and all other nitrogen credits.
- 05 Phase II irrigation scheduling –
Each Operator must schedule irrigation in one field that is at least 65 acres in size or in their largest irrigated field in the Phase II area by one (1) of the following methods: Capacitance probes, Resistance blocks, and any other methods approved by the District.

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06 Phase II annual reporting required –

No later than April 1 of each year, each Operator **of irrigated crop land greater than twenty-five acres in size** in the Management Area ~~is~~ **are** required to report information regarding the use of best management practices **as listed below. The District will request voluntary reporting of information regarding the use of best management practice on all other crop land within the District boundaries on a periodic basis.** The report must include the following information:

The nitrogen application rate must be calculated for each irrigated field where corn is grown. Calculations shall be based on University of Nebraska recommended procedures and must account for soil analysis and all other nitrogen credits.

Nitrogen credits include but are not limited to: Irrigation water nitrates (if known), Previous crops, Livestock, municipal and industrial waste.

The report shall also include a copy of the soil sample results and the previous year irrigation scheduling information must accompany the annual report.