

NEBRASKA ADMINISTRATIVE CODE

Title 457 - DEPARTMENT OF NATURAL RESOURCES RULES FOR SURFACE WATER

Chapter 10 - PROJECT MAPS FOR THE USE OF WATER

001 REQUIREMENTS. Maps required for applications or claims to use the natural flow of streams, use impounded water, to change the point of diversion, or changes in location of use, type of use or type of appropriation shall conform to the following standards:

001.01 For appropriations held by individuals.

001.01A Certified Digital Orthophotography Quarter Quadrangles (DOQQs) produced by the Department of Natural Resources and certified by USGS using 1999 or newer aerial photography shall be used as the base data layer for producing the required maps. Compressed Orthophotography Quarter Quadrangles (COQQs) derived from the Department of Natural Resources DOQQs may also be used. DOQQs and COQQs can be obtained through Department of Natural Resources offices, the Department of Natural Resources website or other organizations capable of accessing digital information. Maps shall be drawn on an overlay form provided by the Department (see Appendix L). An unmarked copy of the aerial photograph shall be submitted with the overlay map tracing. The map shall be neat, clean, and clear and be drawn with black ink. All words shall be printed. The map shall be a true representation of actual conditions and be prepared by a person competent in the preparation of maps. If a project map was produced using GIS or drawing software such as ArcView, ArcMap or AutoCad, the computer files that were used in creating the project map should be provided to the Department of Natural Resources along with the map. All files used or generated in the creation of the project map should be copied onto recordable compact discs (CD-R) or other storage media acceptable to the Department. The CD should be labeled using an indelible marker with applicant's name, description of the project, date the CD was written, and the person and agency responsible for creating the map. Information identifying the year and source of base data (aerial photography) that was used in creating the project map should also be submitted. The map shall include the following:

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001.01A1 The location of all points of diversion, power plants, reservoirs, or other major structures.

001.01A2 The alignment of streams, canals or supply pipelines. The name of the stream shall be labeled and an arrow used to show the direction of the streamflow.

001.01A3 If for irrigation, the area in each 40-acre government subdivision actually intended to be irrigated shall be shown by a crosshatch pattern. The actual number of acres proposed for irrigation shall be indicated by a number in each 40-acre subdivision.

001.01A4 Additional drawings shall be submitted to show diversion facilities, other than pumps; permanent structures such as dams for raising level of water; regulating pits; and ponds or raceways used for aquaculture. The drawings shall be legible and neat and be on 8½-inch by 11-inch white paper or folded to such size. Dimensions, elevations and construction materials shall be noted on the drawings.

001.02 For districts and large water companies:

001.02A The maps shall be made with good quality India ink on sheets of tracing cloth or mylar, fourteen (14) inches by sixteen (16) inches and having a three (3) inch margin on the left side and one (1) inch margins on the other sides, or on mylar copies of United States Geological Survey quadrangle maps. The maps shall be neat, clean and clear. All words shall be printed. If a project map was produced using GIS or drawing software such as ArcView, ArcMap or AutoCad, the computer files that were used in creating the project map should be provided to the Department of Natural Resources along with the map. All files used or generated in the creation of the project map should be copied onto recordable compact discs (CD-R). The CD should be labeled using an indelible marker with applicant's name, description of the project, date the CD was written, and the person and agency responsible for creating the map. Information identifying the year and source of base data (aerial photography) that was used in creating the project map should also be submitted.

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001.02B The maps shall be true representations of actual conditions and be prepared by a person competent in the preparation of maps.

001.02C The maps, at a scale of not less than two (2) inches to the mile, shall depict an overhead or plan view including the following:

001.02C1 The location of all points of diversion, power plants, reservoirs, or other major structures.

001.02C2 The alignment of streams, canals or supply pipelines. The name of the stream shall be labeled and an arrow used to show the direction of the streamflow.

001.02C3 If for irrigation, the area in each 40-acre government subdivision actually intended to be irrigated shall be shown by a crosshatch pattern. The actual number of acres proposed for irrigation shall be labeled in each 40-acre subdivision.

001.02C4 Additional drawings shall be submitted to show new diversion facilities, other than pumps; new permanent structures such as dams for raising level of water; new regulating pits; and new ponds or raceways used for aquaculture. The drawings shall be legible and neat and be on 14-inch by 16-inch mylar. Dimensions, elevations and construction materials shall be noted on the drawings.

001.03 An applicant shall have 90 days in which to refile a map returned for correction by the Department. Failure to file a corrected map within 90 days will cause cancellation or dismissal of the application.

EFFECTIVE DATE: April 30, 2005