

ANNUAL REPORT OF WATER USE ACTIVITIES IN THE NORTH PLATTE NRD
TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2010 BASIN-WIDE MEETING

I. INTRODUCTION

This report is intended to satisfy the North Platte Natural Resources District (NPNRD) tracking and reporting requirements as described by the Monitoring and Studies section of the North Platte Natural Resources District integrated management plan (IMP). The NPNRD will be responsible for tracking the following activities within the District on an annual basis: (1) certification of ground water uses and any changes to these certifications; (2) approved transfers, including all of the information provided with the application and used in the approval of the transfer; (3) any flow meter data collected; (4) any water well construction permits issued; (5) any other permits issued by the NPNRD; (6) any conditions associated with any permits issued; (7) information gathered through the municipal and non-municipal industrial accounting process; (8) any variances issued, including: the purpose, the location, any required offset, the length of time for which the variance is applicable and the reasoning behind approval of the variance; (9) any retirements of irrigated acres or other activities by the NPNRD for the purpose of returning to a fully appropriated condition; (10) information related to any water banking transactions; and (11) offsets provided for depletions resulting from increased consumptive use related to the above listed items.

The items tracked and reported will subsequently be used by the Platte Basin NRDs and the Department to measure the success of the controls, incentive measures and other action items contained in the IMPs at meeting the goals and objectives of the IMPs. Two evaluation processes for measuring success are described in the IMPs. The first is an annual evaluation that will forecast the balance of depletions and accretions from the report year through 2048. The second evaluation occurs periodically and will be more robust, including updating and running ground water models. These evaluation processes will be carried out by the Platte Basin NRDs and the Department after the annual basin-wide meeting. The tracking, reporting, and evaluation processes are described in more detail in the Monitoring and Studies section of the IMPs. In addition to the evaluation processes, the information that is tracked and reported will also be used by the State to help meet requirements of the Platte River Recovery Implementation Program (Program).

The 2010 report is the first report to be filed following approval of the Platte Basin IMPs in September 2009. Therefore, this report only contains information on the above listed items from September 14, 2009, to December 31, 2009.

III. CERTIFIED ACRES

No new acres were certified between September 14, 2009, and December 31, 2009.

IV. APPROVED TRANSFERS

No transfers were approved between September 14, 2009, and December 31, 2009.

V. WELL CONSTRUCTION PERMITS

One well construction permit for an industrial well was approved between September 14, 2009, and December 31, 2009. An analysis of the cumulative depletions due to this new well was done using the current ground water model. A condition was put on the permit requiring the applicant to be

responsible for any new depletion to the river and for any negative impacts to any surface water diversions. The analysis for this permit showed that there was no new depletion to the river due to the decommissioning of the existing well and there was no negative impact on any surface water diversions, therefore, no offset was required.

VI. OTHER PERMITS

No other permits were approved between September 14, 2009, and December 31, 2009.

VII. VARIANCES

No variances were approved between September 14, 2009, and December 31, 2009.

VIII. MUNICIPAL AND INDUSTRIAL ACCOUNTING

No information was collected between September 14, 2009, and December 31, 2009 for the § 46-740 municipal and industrial accounting process.

IX. FLOW METER DATA

The ending flow meter readings for Water Year 2009 were collected during October 2009. The total Water Year 2009 ground water use for irrigation purposes in the entire overappropriated area (including the Pumpkin Creek Basin Ground Water Management Sub-area) was 100,677.1 acre-feet on 166,741.8 certified irrigated acres for an average use of 7.2 acre-inches per acre. This information does not include information from 26 flow meters which had failed during the irrigation season. Power records are being used to determine the amount of ground water that was pumped from these wells.

The flow meter readings from municipal and industrial users have been collected and are currently being processed.

X. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between September 14, 2009, and December 31, 2009.

XI. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

No irrigated acres have been retired nor have there been any other streamflow accretion activities between September 14, 2009, and December 31, 2009.