

North Platte Natural Resources District

ANNUAL REPORT OF 2011 WATER USE ACTIVITIES IN THE
NORTH PLATTE NRD



TO MEET THE REQUIREMENTS OF THE INTEGRATED MANAGEMENT PLAN
FOR THE 2012 BASIN-WIDE MEETING

Meeting Date : June 21, 2012



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I. INTRODUCTION

This report is intended to satisfy the North Platte Natural Resources District tracking and reporting requirements as described by the Monitoring and Studies section of the North Platte Natural Resources District Integrated Management Plan (IMP).

The 2012 report contains information on those activities required to be tracked for the period January 1, 2011, to December 31, 2011.

II. CERTIFICATIONS

No new certifications were approved between January 1, 2011 and December 31, 2011.

III. APPROVED TRANSFERS

Three transfers of certified irrigated acres and the point of withdrawal were approved between January 1, 2011 and December 31, 2011.

Permit Number	Acres Transferred	From Location	New Acres	To Location
TA-11-006*	130	Sec. 11, T20N, R48W	128.7	Sec. 15, T20N, R48W
TA-11-007	11.1	Sec. 28, T19N, R49W	11	Sec. 28 and 29, T18N, R48W
TA-11-008	14.9	Sec. 28, T19N, R49W	14.8	Sec. 29, T18N, R49W

*This transfer has not occurred and most likely will not occur as per communication with the landowner (applicant and transferee).

IV. VARIANCES

One variance was approved between January 1, 2011 and December 31, 2011. This was a variance from Rule 5.7.6, which prohibits transfers of location of use from the overappropriated area to the fully appropriated area, for transfer permit TA-11-008. It was granted because the point of withdrawal changed from the overappropriated area (Sec. 28, T19N, R49W) to the fully appropriated area (Sec. 29, T18N, R49W) and the depletion percentage of the wells being used went from 78% to 0% which is beneficial to the NRD.

V. OTHER PERMITS

No other permits were approved between January 1, 2011 and December 31, 2011.

VI. WELL CONSTRUCTION PERMITS

The following table lists the well construction permits that were issued or denied between January 1, 2011 and December 31, 2011:

NRD Permit Number	Legal Description	Use	Replacement	DNR Registration Number
NP-RP-11001	28-T24N-R57W	Irrigation	Yes	G-123926
NP-RP-11002	31-T18N-R43W	Irrigation	Yes	G-043206
NP-RP-11003	17-T19N-R49W	Irrigation	Yes	G-011500
NP-RP-11004	24-T19N-R54W	Irrigation	Yes	G-041655
NP-RP-11005	13-T21N-R49W	Irrigation	Yes	G-045599
NP-11006	30-T19N-R46W	Irrigation	No*	G-159937
NP-RP-11007	10-T22N-R55W	Irrigation	Yes	G-045424
NP-RP-11008**	9-T19N-R49W	Irrigation	Yes	G-129952
NP-RP-11009	21-T19N-R46W	Irrigation	Yes	G-051237
NP-RP-11010	31-T21N-R52W	Irrigation	Yes	G-027083

*Well G-159937 is registered as inactive. Permit NP-11006 was the second permit that was issued for transfer permit TA-10-007. The first permit (NP-10004) was cancelled because the well was not drilled within the time period of the permit.

**Permit NP-RP-11008 was denied because the original well (G-129952) does not have a certified use.

VII. IRRIGATION WELL FLOW METER DATA

The ending flow meter readings for Water Year 2011 were collected during October 2011. The preliminary Water Year 2011 ground water use for irrigation purposes in the overappropriated area (including the Pumpkin Creek Basin Ground Water Management Subarea) was 109,677 acre-feet on 161,094 certified irrigated acres for an average use of 8.2 acre-inches per acre. This information does not include all water use information due to situations such as failed flow meters.

VIII. RETIRED ACRES AND OTHER STREAMFLOW ACCRETION ACTIVITIES

Between January 1, 2011 and December 31, 2011, 744.57 certified irrigated acres were contracted for temporary retirement under the Agricultural Water Enhancement Program (AWEP) and 167.5 acres were contracted for permanent retirement under the Agricultural Water Enhancement Program (AWEP) and the Platte Basin Habitat and Enhancement Project (PBHEP).

During the spring of 2011, 10 irrigation districts/canal companies participated in a canal recharge/flood mitigation project. During this project a total of 45,470 acre-feet was diverted from the North Platte River, with an estimated recharge of 20,490 acre-feet.

During the fall of 2011, 8 irrigation districts/canal companies participated in a canal recharge project. During this project a total of 33,308 acre-feet was diverted from the North Platte River, with an estimated recharge of 11,454 acre-feet.

IX. OTHER WATER BANKING ACTIVITIES

No water banking activities were conducted between January 1, 2011 and December 31, 2011.

X. MUNICIPAL AND INDUSTRIAL ACCOUNTING

The following table lists the information gathered for the municipal accounting requirement:

City	Baseline (gallons)*	2011 Use (gallons)*	2011 Population**	2011 gallons per capita per day
Bayard	174,364,960	121,883,200	1,209	276.2
Bridgeport	237,176,000	45,865,880	1,595	78.8
Broadwater	45,670,107	5,981,900	128	128
Gering	891,820,400	537,065,800	8,500	173.1
Henry	46,044,508	25,203,850	162	426.2
Lyman	70,817,546	31,650,585	421	206
Minatare	61,311,333	29,694,000	810	100.4
Mitchell	173,323,000	67,697,500	1,702	109
Morrill	210,529,317	104,450,000	974	294.8
Oshkosh	125,128,333	93,970,000	637	404.2
Scottsbluff	960,551,017	412,441,000	15,039	75.1
Terrytown	147,433,847	93,060,000	2,144	119

*This includes pumping and, if applicable, discharge volumes.

** Population numbers were supplied by the municipality.

The following table lists the information gathered for the industrial accounting requirement:

Name	Location	Well Reg. #	Baseline Acres (2001-2006)	2011 Acres
Courthouse and Jail Rock Golf Club	Sec. 29, T19N, R50W	G-096426, G-056581	35.21	35.21
Riverview Golf and Country Club	Sec. 17 and 20, T22N, R55W	G-083316, G-083317	67	67
Scottsbluff Country Club	Sec. 10, T22N, R55W	G-147117, G-147118, G-147119	106	106
Chimney Rock Golf Course	Sec. 22, T21N, R52W	G-072722	81.25	81.25
Rolling Green Golf Course	Sec. 15, T23N, R57W	G-029114	46.3	46.3
Scenic Knolls Golf Course	Sec. 9 and 16, T23N, R56W	G-120401	63.3	63.3
Oshkosh Country Club	Sec. 10, T16N, R44W	G-131367	33.2	33.2

We are still working with other industrial users to establish their baseline uses and annual uses.