

Water Conservation Area (WCA) Official Review

Review of the Consent Agreement and Order Designating a WCA

Powerline Dairy LLC WCA; Gray County, KS

January 2017 through December 2021

**Review of Total Water Use of Water Rights Enrolled:**

During the term of this WCA, Irrigation water use was limited to 19,577.30 acre-feet while Stock water use was limited to 5,544.50 acre-feet. Total water use was limited to 22,794.00 acre-feet (AF). The total water use reported annually, under the listed water rights, during the term of this WCA are as follows:

**Irrigation:**

| 2017 Water Use (AF) | 2018 Water Use (AF) | 2019 Water Use (AF) | 2020 Water Use (AF) | 2021 Water Use (AF) | Total WCA Use (AF) | Unused WCA Allocation (AF) | Total WCA Limit (AF) |
|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|----------------------------|----------------------|
| 3,552.13            | 3,967.33            | 3,934.53            | 4,267.66            | 3,009.26            | 18,730.90          | 846.4                      | 19,577.30            |

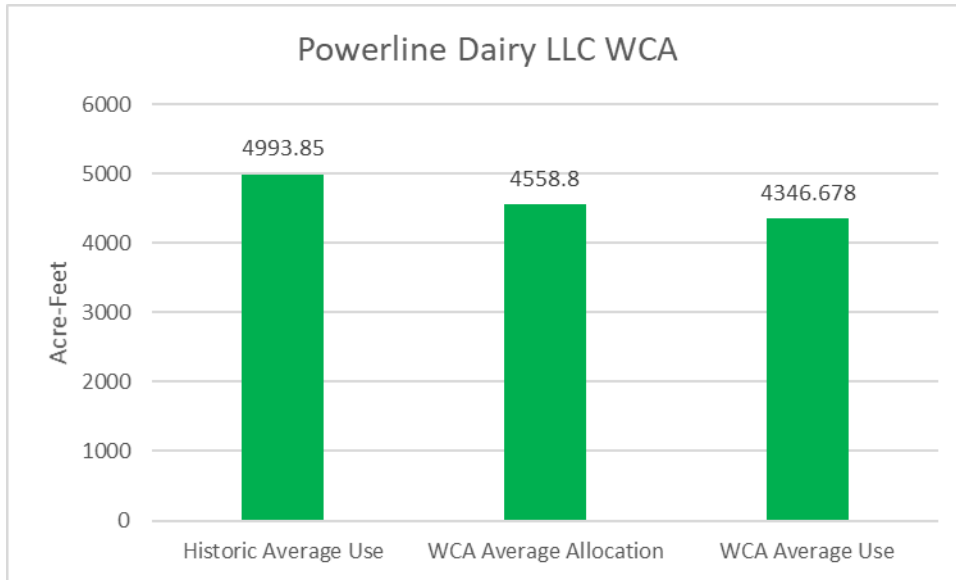
**Stock water:**

| 2017 Water Use (AF) | 2018 Water Use (AF) | 2019 Water Use (AF) | 2020 Water Use (AF) | 2021 Water Use (AF) | Total WCA Use (AF) | Unused WCA Allocation (AF) | Total WCA Limit (AF) |
|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|----------------------------|----------------------|
| 693.10              | 573.09              | 539.86              | 591.38              | 605.06              | 3,002.49           | 2,542.01                   | 5,544.50             |

**Total water Usage:**

| 2017 Water Use (AF) | 2018 Water Use (AF) | 2019 Water Use (AF) | 2020 Water Use (AF) | 2021 Water Use (AF) | Total WCA Use (AF) | Unused WCA Allocation (AF) | Total WCA Limit (AF) |
|---------------------|---------------------|---------------------|---------------------|---------------------|--------------------|----------------------------|----------------------|
| 4,245.23            | 4,540.41            | 4,474.39            | 4,859.04            | 3,614.32            | 21,733.39          | 1,060.61                   | 22,794.00            |

The total average use for irrigation was 3,746.18 acre-feet while the total average use for Stock water was 600.498 acre-feet. The total average use was 4,346.678 acre-feet.



***Review of Corrective Control Provisions:***

This WCA had twenty-four wells within its geographic boundaries which 20 were used for irrigation and 4 for stockwater purposes.

- No point of diversion authorized for irrigation use was to exceed 130% of its annual authorized quantity.
- Points of diversions authorized for stockwater use were limited with individual annual allocations. None of these points of diversions exceeded their annual allocation.
- Water may be pumped and used for either stockwater use, or irrigation use at any location included in the geographical boundary with an approval of a term permit. There were no term permits requested.

The participants may elect to deposit the remainder quantity (1,060.61 AF) of the WCA into a subsequent WCA agreement that is governed by this management plan or revised versions, and it may be carried through the subsequent WCA Agreement until diverted.

As of the end of the 2021 calendar year, no adverse impacts have been noted and no concerns were received from nearby well/landowners.

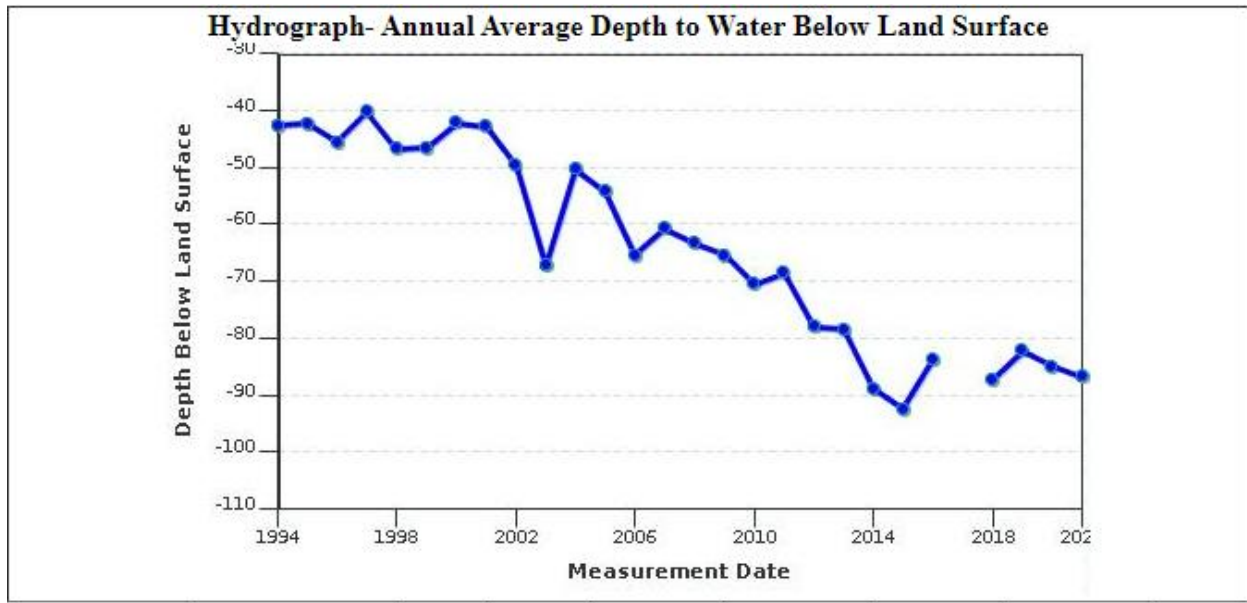
***Review of Compliance Monitoring and Enforcement:***

A compliance issue was discovered during review. A well authorized for irrigation use diverted water for stockwater use. A term permit was not filed for consideration of approval as noted in the corrective controls. A Notice of Non-Compliance was issued by DWR.

***Review of Water Level Changes:***

Below is the nearby observation well documented in the management plan. Note that the measurements were taken in the early calendar year months. Outliers measured outside of this time range are labeled with the month they were measured.

Location:  
26S-27W-12CDD 01



***Review of Economic Impacts:***

No official economic reports have been published at this time.

***Review of Public Interest:***

The Powerline Dairy LLC WCA has had no known appreciable negative impacts on the public interest. Conversely, it can be stated that the conservation of water along with extending the useable life of the Ogallala Aquifer in that regional area, on the ground owned by Powerline Dairy, has positively impacted the public interest area.

***Summary of Review by KDA-DWR:***

It is determined that this WCA has met its goals throughout the designated term. This WCA conserved almost 5% of its total WCA allocation; thereby saving water beyond the agreed original WCA goal. The owners of this WCA met all requirements of the WCA Consent Agreement and Order. In summary, we see no need to deny a request, from the owner(s), should they request a future WCA.