STATE OF NEBRASKA

DEPARTMENT OF NATURAL RESOURCES

ORDER GRANTING LEAVE TO FILE AN APPLICATION FOR A NEW SURFACE WATER APPROPRIATION WITHIN AN AREA SUBJECT TO A MORATORIUM BY PETITION VAR-5434

WATER DIVISION 1-A

BACKGROUND

1. On July 14, 2004, the Department of Natural Resources (Department) issued a formal moratorium on all new surface water appropriations in the Platte River Basin upstream of the confluence with the Loup River near Columbus, Nebraska. The moratorium included all tributary streams above the Loup River confluence including the North and South Platte Rivers and tributaries.

2. On September 11, 2009, a Basin-Wide Integrated Management Plan (BWIMP) for the overappropriated area of the Platte River Basin was adopted by order of the Department. The BWIMP was also adopted by the following Natural Resources Districts (NRD): the North Platte NRD, the South Platte NRD, the Twin Platte NRD, the Central Platte NRD, and the Tri-Basin NRD. These NRDs are collectively referred to in the BWIMP as the "Platte River Basin NRDs." The individual integrated management plans referenced in the next paragraph are required to be in conformance with the goals and objectives of the BWIMP.

3. On August 13, 2009, the initial integrated management plans (IMPs) were adopted by order of the Department, pursuant to *Neb. Rev. Stat.* § 46-718(2) for the following natural resources districts (NRDs): the North Platte NRD, the South Platte NRD, the Twin Platte NRD, the Central Platte NRD, and the Tri-Basin NRD. There have been subsequent revisions to the IMPs. As part of the surface water controls adopted by the Department pursuant to *Neb. Rev. Stat.* § 46-716(1)(b), the moratorium on issuing new surface water appropriations was continued.

4. On January 1, 2007, work officially commenced on the Platte River Recovery and Implementation Program (PRRIP). PRRIP's goals include reducing shortages to U.S. Fish and Wildlife Service target flows and providing additional land habitat for endangered species in the Lexington to Chapman reach of the Platte River. In order to meet these goals, each signatory to PRRIP has adopted depletions plans to address the mitigation of the adverse impacts of water-related activities on streamflows in the Platte River. The State of Nebraska, through the Department will utilize the integrated management process to achieve the goals of PRRIP (BWIMP and IMPs).

5. On May 8, 2015, Kent O. Miller, Manager of the Twin Platte Natural Resources District (TPNRD) (Petitioner) filed petition VAR-5434 for Leave to File or Consider an Application for a Permit to Appropriate

Water within a Moratorium Area or Stay Area. The petition requests leave to file an application for a permit to appropriate water for the purpose of groundwater recharge via the Paxton-Hershey Canal.

6. For the purpose of this order, "excess flows" will be those streamflows that are in excess of the U.S. Fish and Wildlife Service target flows and other State-protected appropriations that are in priority.

7. *Nebraska Revised Statutes* § 46-714(3)(n) allows for new surface water appropriations if the Department grants leave to file an application and subsequently approves a permit for such new use.

8. When filing such a petition, a project proponent must offer a clearly stated basis for such request and must offer sufficient good cause shown. *Department of Natural Resources Rules for Surface Water, Title 457 Neb. Admin. Code* Chapter 23 lists six circumstances that may be put forward as justification for granting a petition to apply for a new water use, in conjunction with an examination of good cause shown.

ANALYSIS

1. The formal moratorium issued by the Department in 2004 has been continued in the surface water controls included in the individual NRD IMPs adopted by the Platte River Basin NRDs and the Department.

   Because the Platte River Basin is currently undergoing integrated management for the purposes of reducing depletions to streamflow, any new consumptive use must be examined for its potential effects on extant surface and groundwater users and upon all matters of significant public interest and concern. This includes assessing both positive and negative impacts on the State's ability to comply with interstate agreements, programs, decrees and compacts, including PRRIP. Thus, any proposed project must be scrutinized to prevent conflict with (a) the goals and actions necessary to implement the IMPs adopted by the Platte River Basin NRDs and the Department and (b) the water needs of Water Action Plan projects that will be implemented under PRRIP. Applications for potential beneficial uses that are not clearly non-consumptive will be presumed to be at least partially consumptive. Therefore, an analysis of the effects of a proposed new diversion on these existing uses and responsibilities is required in order to determine whether sufficient good cause exists to grant a variance to apply for a new use.

2. Petitioner requests a permit to divert water for the purpose of groundwater aquifer recharge to assist in optimizing water management.

3. Petitioner proposes to divert excess flows after the irrigation season concludes, and possibly prior to the normal irrigation season, if river conditions are such that excess flows are available at the time of desired diversion.

4. Petitioner is requesting to continue activities in promotion of integrated management and PRRIP goals by proposing to take advantage of excess flows that may exist on the Platte River for the purpose of groundwater recharge.

5. The expected benefits from projects such as this are (a) to mitigate post-1997 new depletions by replacement of groundwater that was withdrawn for irrigation and (b) the enhancement of base flow returns to the Platte River by way of aquifer recharge, using retimed excess flows to augment streamflow when it is more necessary to help satisfy target flows and State-protected flows. Recharge potential was demonstrated in the initial recharge projects of 2011, 2013 and 2014. A table of the results of these recharge projects was provided with the draft application documents.

CONCLUSIONS

1. The diversion project proposed on the attached draft application is in conformity with integrated management plan goals and potential conjunctive management projects. In addition, recharge from this project should assist NRDs in meeting their offset responsibilities under the BWIMP and individual NRD IMPs.

2. The potential benefits of groundwater recharge that Petitioner expects to result from the proposed project outweigh the effects of any stream depletions from diverting the water during times of excess flows.

3. Conditions are such that excess flows, as defined above, may be available during future years.

4. For these reasons, Petitioner should be granted leave to file an application to divert excess flows for groundwater recharge.

ORDER

IT IS HEREBY ORDERED:

1. Petition VAR-5434 meets the requirements of *Department of Natural Resources Rules of Surface Water, Title 457 Neb. Admin. Code* Chapter 23, § 001.03, has shown sufficient good cause, and is GRANTED.

2. This Order granting leave to file or consider an application for a new surface water appropriation within a moratorium or stay area pursuant to petition VAR-5434 shall be in effect for one year from the date this order is signed.

3. This decision shall not bind the Director to approve any application to which it relates, or in any way be used as evidence of prejudice for the Director's future decisions concerning the specific approval requirements of such an application.

DEPARTMENT OF NATURAL RESOURCES

September 8, 2015

Gordon W. Fassett

Gordon W. Fassett, P.E., Director

A copy of this Order was posted on the Department's website. A copy of this Order was provided to the Department's field office in Bridgeport, Nebraska. A copy of this Order was mailed on September 8, 2015, to the following:

Kent O. Miller, Manager
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