

PELICAN RIVER WATERSHED DISTRICT

ENGINEER'S MONTHLY REPORT

March 2009

1. Permit Activity

Holmes Street Pond – The City of Detroit Lakes submitted construction plans for the Holmes Street Pond. The pond is planned as a regional facility to provide water quality treatment for existing and future impervious surfaces in its watershed. The City wishes to move forward with construction of this pond as soon as possible due to the favorable bidding climate. The City requested the PRWD (Wenck) to review the plan for any “construction” or design concerns at this time. Wenck issued comments to the City on 3/12/09. Calculations to demonstrate total phosphorus removal are forthcoming because the current focus of the City is to get the basin built. Calculations will include creation of a credit system for the drainage area.

2. Additional Work:

Wenck and Ulteig participated in a conference call on 3/10/09 to discuss the North Side Treatment Study (NSTS), the Holmes Street Pond, and a credit system to be established for regional facilities in the City of Detroit Lakes.

Ulteig stated that the NSTS will be revised to address some of the comments listed in the February 9, 2009 Wenck memo. Comments related to the modeling will not be revised because the result is still the same – about 30% TP removal for the system. The conclusions/recommendations will be expanded to include a discussion of options.

The City is developing a credit system to be used in three areas of the city: North Side, Holmes Pond, and Fairgrounds Pond. Wenck and Ulteig agreed that the system methodology should be simple and the same for all three areas. Ulteig proposes calculating the total impervious area treated by the pond and then counting new or reconstructed impervious area towards that total amount as city projects are constructed. Wenck suggests establishing the total amount of impervious area in the watershed after construction of the pond. This number would then be adjusted following approval of each city project to ensure the pond is not under designed. Additional discussion is needed to agree on the credit system.