



City of Sidney, Nebraska

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November 7, 2005

RECEIVED

NOV 09 2005

DEPARTMENT OF
NATURAL RESOURCES

State of Nebraska Department of
Natural Resources
Attention: Ms. Tracy Zayac
301 Centennial Mall, 4th Floor
P.O. Box 94676
Lincoln, NE 68509-4676

Dear Tracy:

When we met on October 27, 2005, at the Sidney City Offices, I promised, in addition to providing the answers to the Department's second set of questions, which were recently mailed to you, to provide a calculation reference the request justification paragraph which is the last paragraph of the answer to question #8 in the first set of questions which the Department sent to us. The consumptive use savings from the two irrigation wells translated to the amount of pumping the City would have to do to consumptively use a like amount of water is better understood in a calculation format than in a narrative.

If you want to discuss the calculation provided, please feel free to call.

Sincerely,

JORDAN M. BALL
Sidney City Attorney

JMB:mjd

Enclosure

REQUEST JUSTIFICATION CALCULATION

100,000,000	Gallons Pumped Yearly From Each Irrigation Well
<u>x 2</u>	Irrigation Wells
200,000,000	Gallons Per Year Total
<u>x 65.1%</u>	USGS Irrigation Consumptive Use Factor
130,200,000	Consumptive Use Savings by Shutting Down Two Irrigation Wells
<u>÷ 38.2%</u>	USGS Domestic/Commercial Consumptive Use Factor
340,837,697	Amount City Required to Pump to Use Consumptive Amount Saved in Shutting In Two Irrigation Wells
<u>+ 966,740,000</u>	Total of Gallons Pumped in 2000 for Sidney and Sioux Meadows
1,307,577,697	2000 Use Plus Pumpage Equaling Consumptive Use of Two Irrigation Wells Shut Down
1,300,000,000	Requested in Amended Transfer Permit Application

(div by 38.2)

In order for City to
consumptively use the same
amount as ~~is~~^{was} consumptively
used by 2 irr wells, calc
a pumping of 340 mg.
Added to 2000 #s to
obtain grand total

ADDITIONAL INFO. FILED	NOV 09 2005
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