

Signe - These are comments I received on the SPOS. We may have additional comments at later date.

Comments from Chuck Spitzack (General): The selection of what models to use, data to collect, and information to assemble should be looked at from two perspectives - the needs of the study and the needs of the basin for ongoing basin planning and management.

We need to continue to coordinate Corps' initiatives with Reclamation's Water Supply Study to ensure the sharing of data and information is maximized and overlap in study objectives is fully understood and leveraged to the extent possible.

Comments from Randy Devendorf (Environmental): I have reviewed the Biota Transfer SPOS and do not have any comments. I note that there was no Environmental SPOS to review. Just a note - we have been coordinating with the BOR in conjunction with the outlet study. I assume they will be utilizing whatever information we will have developed with respect to the Sheyenne River (not only with respect to biota transfer, groundwater modeling, salinity analysis, water users, etc.). They are aware of all the information we have generated and have had access to whatever we have put on the FTP site. They have not asked for any data at this time.

Comments from Dan Reinhartz (Hydrology/Hydraulics):

- 1.) The SOW appears to be very ambitious.
- 2.) Determination of a design drought may require a stochastic analysis.
- 3.) Hydrology section 2.3 states that the Technical Team will recommend a preferred water quantity and quality models and/or methods. I presume that the emphasis is on more than one and the Bureau will select one from these. Otherwise if the Technical Team recommends just one, the Bureau may end up selecting another.
- 4.) The report may want to address the potential effects of future global warming on supply.
- 5.) Although the SOW states that criteria will be selected before data acquisition, the limited data that is available may influence the model selection and/or methodology.
- 6.) The SOW should consider GIS tools for use in the study.
- 7.) Identification of stream standards, uses, and the w.q. impairment of subject rivers based on w.q. constituents as well as future TMDL studies in the study or how these may effect the study.
- 8.) Back extension of the hydrologic record or presentation of past climate based on tree-ring data or other proxy climatic data and how this relates to past drought and the design drought should be considered.
- 9.) Since the Hydrology chapter also includes water quality, our District water quality specialist should also review the materials.