

Education

M.S., Civil Engineering

University of Idaho

B.S., General Engineering

Idaho State University

Professional Certification

Professional Engineer

Idaho No. 7914, 1995

Oregon No. 84533PE, 2010

Certified Water Right Examiner

Idaho No. 133

Oregon No. 84533CWRE

Areas of Expertise

- Water rights
 - investigations and analysis
 - permits and transfers
 - marketing and acquisitions
- Expert witness services
- Water resource investigations
- Water well design
- Surface water modeling
- Gravity irrigation systems
- Stream flow measurement
- Pipe flow measurement
- Pumping efficiency evaluations

Experience Summary

Mr. King has over 27 years of professional and academic experience in water resources engineering. He is currently a Supervising Engineer with SPF Water Engineering, LLC and specializes in water right issues, water flow measurement, open-channel flow, pumping system design, water well design, and geographic information systems (GIS). Prior work includes 14 years experience in a broad variety of Idaho Department of Water Resources' (IDWR) programs including water rights adjudication, water rights administration, safety of dams, and energy efficiency.

SPF Water Engineering, LLC – 2005 to present

Mr. King is currently a Supervising Engineer with SPF Water Engineering, LLC. SPF was founded in March 2004 to provide hydrologic characterization, water resource development, and public water system design and regulatory compliance. Mr. King provides consulting services on water rights issues, pump design, irrigation system evaluation, surface water hydrology, surface water modeling, and river hydraulics. His recent project experience includes the following:

- Extensive water right experience including
 - permit and transfer applications
 - mitigation plans
 - investigations and analysis
 - acquisitions and sales
 - beneficial use field examinations
 - adjudication claim preparation and support
- Expert witness services
- Gravity irrigation system design and analysis
- Stream flow measurement and monitoring
- Geographic Information System (GIS) mapping and analysis
- Conveyance capacity determinations for streams, culverts, and other open-channel systems
- Water well design including designs to municipal public drinking water supply standards
- Well capacity determination
- Pumping system design

Expert Witness and Litigation Experience

- February 5, 2008
 - Idaho Ground Water Appropriators, Inc in Surface Water Coalition Administrative Hearing. Co-authored technical report on behalf of Idaho Ground Water Appropriators and provided expert witness testimony in District Court.
- January 14, 2009

- Southfork Landing / Eagle Springs Ranch / Barnes Ventures Inc, Garden Valley, ID. Provided expert witness testimony in administrative hearings to contested water right applications.
- January 27, 2009
 - Black Rock Utilities, Coeur d'Alene, ID. Provided expert witness services including hearing testimony in contested application for permit.
- October 14, 2009
 - Jerry Tlucek, Melba, ID. Provided expert witness services in administrative hearing for contested water right transfer.
- November 2 & 3, 2009
 - United States of America vs. Cory Ledel King. Provided technical support for federal sentencing hearing on behalf of the Double C Farms and Cory King.
- January 12, 16, 2011
 - Elmore County P&Z Hearings on Mayfield Townsite. Provided expert witness testimony to the Planning and Zoning Commissioners in support of water availability for a planned community.
- May 3, 10, 12, 2011
 - Elmore County Commissioners Hearing on Mayfield Townsite. Provided expert witness testimony to the County Commissioners in support of water availability for a planned community.
- March 23-25, 2011
 - Preston-Whitney Irrigation Company Water Right Transfer Application Hearing, Preston, ID. Provided expert witness services including investigation and administrative hearing testimony in opposition to the Irrigation Company's proposed transfer.
- May 10, 2011
 - Dwaine Lingle v. TO Engineers. Testified in Civil Court as a witness regarding adequacy of irrigation water for subdivision development.
- December 15, 2011
 - Mann Farms, Inc. (Darin and Kent Mann) application to Canyon County P&Z. Provided expert witness testimony to the Planning and Zoning Commissioners on Mann Farms' proposed Conditional Use Permit for CAFO.
- September 17, 2014
 - American Falls Aberdeen Ground Water District et. al. Water Right Permit Application No. 36-16976. Provided expert witness testimony in an administrative hearing in support of the Ground Water Districts' "Bridge Diversion" application for permit in response to the "Rangen Call."
- December 18, 2014
 - North Snake Ground Water District et. al. Water Right Transfer No. 79560. Provided expert witness testimony in an administrative hearing in support of the Ground Water Districts' application for transfer changing the place of use of 10 cfs from the SeaPac Magic Springs hatchery facility to

Rangen, Inc.'s hatchery, and purpose of use from Fish Propagation to Mitigation/Fish Propagation.

- February 5, 2015
 - North Snake Ground Water District et. al. Water Right Permit Application No. 36-17011. Provided expert witness testimony in an administrative hearing in support of an application to divert water from Sandy Ponds for Irrigation, Mitigation, and Ground Water Recharge.
- December 17, 2015.
 - Genta v. Gould, Pocatello, ID. Provided expert witness testimony in District Court regarding a ditch dispute.
- January 27, February 3, 2016
 - Friend v. Nettleton, Mountain Home, ID. Provided expert witness testimony in District Court regarding wetland dewatering.
- November 28, 2016
 - Lundholm Enterprises v. Gunderson, Rigby, ID. Provided expert witness testimony in District Court regarding a ditch removal dispute.
- June 6, 2019
 - E. Bruce Stanger, Michael R. Stanger, and Kimberly S. Kvamme, d/b/a Sometimes a Great Notion Land and Cattle Company v. Walker Land & Cattle, LLC., and Vista Valley Ag, Inc, Bonneville County, ID. Provided expert witness Declaration regarding aerial imagery interpretation and risk of water right forfeiture due to non-use.
- June 11, 2019
 - Leland and Louise Davis v. Sandra Hansen, Douglas Hansen, and Nicholas and Deborah Wiebe, Washington County, ID. Provided expert witness Declaration in support of temporary restraining order and preliminary injunction regarding irrigation practices and flooding on Davis property.