

CHRISTOPHER J. SANCHEZ, P.G.

Principal - Hydrogeologist

EDUCATION

B.A. in Geology, 1994, The Colorado College, Colorado Springs, Colorado

Emphasis in ground water geology. Received Distinction for completing a senior thesis entitled "Analysis of Lawn Irrigation Return Flows in the Southeast Denver Area". Recipient of the Donald B. Gould Scholarship Award in Geology.

Graduate course work at the University of Colorado, Denver.

Graduate course work at Colorado School of Mines.

PROFESSIONAL

Board of Examiners of Water Well Construction and Pump Installation Contractors – appointed to the Board by Governor Hickenlooper, June 2018

American Water Resources Association – Colorado Section - President, Board of Directors, 2004

American Water Resources Association - National Section

Colorado Ground Water Association

National Ground Water Association

Association of Ground Water Scientists and Engineers

Geological Society of America

REGISTRATION

Registered Professional Geologist in the State of Wyoming. PG-3248

Registered Professional Geologist in the State of Utah. PG 5552449-2250

EXPERIENCE RECORD

1994-Present

Bishop-Brogden Associates, Inc., Englewood, Colorado.

Principal, Hydrogeologist. Responsible for studies of ground and surface water supplies. Experience includes the implementation, maintenance and testing of over 100 water supply wells, water demand and supply investigations, water rights and water supply planning, water supply well field implementation, ground water modeling, ground and surface water quantifications, analyses of water rights administration and injury, analyses of ground water/surface water interaction, historic use water rights analyses, water rights augmentation plan development, water rights valuations, drainage basin yield analyses, geologic analyses, geophysical log interpretation, and structural geology concerning ground water supplies and water rights issues. Responsible for well construction management, well rehabilitation implementation and analyses, pumping test management,

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CHRISTOPHER J. SANCHEZ P.G. - Continued

pumping test data analysis, and expert testimony for water and civil court proceedings.

Summer 1993 Bishop-Broden Associates, Inc., Englewood, Colorado.
Intern. Completed an analysis of lawn irrigation return flows in the southeast Denver area. Provided support for various client projects.

Summer 1992 Keck Geology Consortium, Quetico Wilderness, Ontario, Canada.
Research Program Participant. Mapped the geology of regional fault zone. Analyzed and interpreted structural geologic data. Co-wrote abstracts for publication.

PUBLICATIONS AND PRESENTATIONS

“New Drought Challenges, Legislation and Solutions, Groundwater, The Science and The Law”, Colorado Law Institute, CLE International, Snowmass Village, June 8, 2018.

“History of Colorado Water Rights”, Colorado Water Well Contractors Association Annual Conference, in partnership with Colorado Ground Water Association, Denver, CO, January 10 – 12, 2018.

“Overview of Groundwater from the Technical Perspective”, Groundwater 101 Update, Water Court Practice Program – Technical and Engineering Program Series, Colorado Bar Association CLE, Denver, CO, October 13, 2017 (co-author: Scott G. Mefford, C.P.G.).

“Groundwater and Aquifer Mechanics – Part I”: American Bar Association, Section of Environment, Energy and Resources, 32nd Annual Water Law Conference Proceedings, Las Vegas, NV, June 2014 (co-author: Timothy A. Crawford P.G.).

“Meaningful Water Quality Sampling vis-a-vis Oil and Gas Drilling – Colorado Aquifer Overview in the Context of the Recently Enacted Statewide Groundwater Baseline Sampling and Monitoring Rules”, Water, Oil and Gas 101, Colorado Bar Association CLE, Denver, CO, April 10, 2013.

“Considerations for Analyzing Colorado Ground Water: A Technical Perspective: University of Denver Water Law Review, Volume 15/Issue 1/Fall 2011 (co-author: Luke W. Harris, P.E.).

“Monitoring and Management of Nonrenewable Ground Water Resources – Case Study: Denver Basin Aquifers”, American Water Resources Association 2006 Summer Specialty Conference – Adaptive Management of Water Resources, Conference Proceedings, June 26-28, 2006 (co-author: Daniel O. Niemela).

“Drilling Fluid Loss Events in the Denver Basin Aquifers”, H2GEO: Geotechnical Engineering For Water Resources, Geotechnical Practice Publication No. 2, Proceedings, October 22, 2004 (co-author: Michael McHugh).

“Practical Approaches to Water Supply Investigations in Fractured Rock Aquifers in Colorado and Related Case Studies”, Fractured Rock Aquifers 2002, National Ground Water Association, March 13 -15, 2002.

CHRISTOPHER J. SANCHEZ P.G. - Continued

“Structure of the Side Lake Shear Zone from Central Kahshahpiwi Lake to Northern Keefer Lake, Quetico Provincial Park, Southern Ontario”, Sixth Keck Research Symposium in Geology, 1993, and Geological Society of America, North-Central Section, 27th Annual Meeting, 1993 (co-author: Andrea L. Troolin).

Heather L. Justus, P.G.

EXPERIENCE

Town of Castle Rock, Castle Rock Water

October 2014-Current – Water Resources Program Analyst

Achieved a track record of results in managing utility infrastructure and developing and implementing creative renewable water supply projects. Responsible for coordinating and managing the Town's Water Resources including the non-renewable groundwater supply and various renewable supplies including WISE. Including the capital improvement management, water portfolio management, utility master plan support, long range utility planning, annual budgeting, and preparing memos and presentations for Utilities Director, Town Manager and Council.

Significant projects include:

- Lost Creek Aquifer Storage and Recovery Feasibility Study
- Denver Basin Aquifer Storage and Recovery Pilot Project
- Directional Drilled Alluvial Horizontal Wells in the Plum Creek Alluvium

Leonard Rice Engineers, Inc., Denver, Colorado

2009-January 2013 – Project Manager

Select, organize, inspire, and manage teams to provide optimal water solutions for clients using expertise in ground water and project management. In addition, develop and maintain good working relationship with clients, staff, and peers. I have managed multiple projects at the same time with multi-discipline team ranging from 2 to 5 team members.

2007-2009 – Senior Project Hydrogeologist

Involved in ground water studies and analysis including interpretation and evaluation of hydrogeologic systems, geologic and geophysical logs; water quality data; geologic and hydrologic maps, computer modeling, aquifer testing, water well design and construction, evaluation of mining impacts on ground water systems, ground water/surface water interactions, and water rights. Field experience includes: mapping, water quality sampling, aquifer testing, logging and supervision of well drilling. Duties require collection and analysis of data, report preparation, litigation support and project management.

2002-2006 – Project Hydrogeologist

1998-2001 – Staff Hydrogeologist

1996-1997 – Assistant Hydrogeologist

Significant projects include:

- Denver Basin Aquifer Storage and Recovery (ASR) Pilot project for Donala Water and Sanitation District. Included design, implementation, review of feasibility and project management.
- Denver Basin Aquifer study in the Monument, Co. area to evaluate an existing well field and reconnaissance level feasibility investigation of a possible satellite well field. The study included evaluating historic, current and projected demands, determining local hydrogeologic properties,

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suggesting guidelines for well management, and analytical computer modeling to determine future drawdown.

- Evaluation of depletions to the South Platte River and the City of Brighton's Alluvial Well Field caused by changes in land use by development and lining of the Brighton Lateral. Estimated hydraulic conductivity, saturated thickness, and boundary conditions. The project included a ground water mass balance analysis, ground water modeling, and a modified Glover Analysis to determine the timing, location and amount of depletions.
- Evaluation of the hydrogeology of Beebe Draw and Box Elder alluvial aquifers includes preparation of an aquifer mass balance for eleven time periods, from 1930 to the present, and estimation of the timing and amount of depletion to the South Platte River caused by irrigation well pumping.
- Evaluation of the Cherry Creek Alluvial Open Space near the Town of Parker for the purpose of determining the impacts of future proposed pumping within the Cherry Creek Alluvium. The evaluation include but was not limited to creating water table maps, determining the hydrogeologic characteristics of the aquifer, and determining the regional drawdown due to proposed pumping. An environmental assessment was completed on the site that included mapping of major vegetation and using the drawdown maps created to estimate the potential loss of wetland and riparian plant acreage that may be lost due to the proposed pumping. We also provide potential mitigation options.
- Developing a Visual MODFLOW computer model for litigation in Arizona. The project involved using computer modeling to estimate the drawdown and stream depletions of a well pumping near a stream's subflow zone.
- Third party review of a ground water model for a client in dispute of how much additional ground water would be intercepted during gravel mining operations in an alluvial aquifer due to a recharge project in the vicinity. The initial review was a fatal flaw analysis of the ground water model. The work product included suggestions on how to improve the modeling effort; as well as, modifying the model to better represent the local hydrogeology. Specific task included: determining depth to bedrock (Pierre Shale), average seasonal saturated thickness, ground water gradient, hydraulic conductivity and negative and positive flow boundaries.
- Third party review of suggested mitigation options to reduce ground water seepage from a non-operational mine into the local stream system. The project included understanding the ground water flow through the mining elevations, the potential sources for mineral loading, seasonal changes in saturated thickness and the overall goals of the project and various parties and how best to store, remove and treat the ground water. The final work product included suggestions on how to improve the mitigation options with minimal cost and effort.
- Determine the impacts of a mining operation to a City's water rights. The project included determining the volume of water that would be removed from a fractured aquifer system and how the removal of the ground water would impact the City's water rights. The project including understanding the proposed mining operation and the local hydrogeology. Prepared engineering report in support of statement of opposition.
- Ground water yield and appraisal of appropriated water rights associated with the London Mine Tunnel located in the head waters of the South Platte Basin of Colorado. Project included understanding the water rights history, general knowledge of the mine and how ground water flow through the mine is captured. Including understanding the hydrogeology of the area and how precipitation was recharged into the aquifer and captured by the mine tunnels. Prepared letter report.
- Providing hydrogeologic support for multiple well fields for power plant entity located in Arizona. Includes review of water levels, preparing ground water models to determine life of the aquifer and how to extend the life including well spacing, cycling, and rehab. In addition, provide recommendations on how to mitigate impacts to themselves and others.

- Feasibility study for ground water supply for a power plant. Prepared a letter report.
- Several projects of determining the impacts of ground water removal due to mining activities on local stream and river systems.
- Design of well monitoring networks in association with mining activities.
- Alluvial aquifer characteristic study for the Upper Eagle Regional Water Authority to guide future ground water development.
- Estimating the ground water resources available in each county of the Denver Basin using GIS.
- Surface and ground water resource evaluation for the Bear River Basin, Wyoming using GIS. Involves data collection and interpretation.
- Ground water monitoring of mountain wells near Black Hawk for the purpose of determining the potential impact to nearby municipal wells.
- Design, construction observation, and testing of several shallow alluvial, mountain bedrock wells, and Denver Basin Aquifer wells.
- Ground water/surface water relationships using Glover programs and computer modeling to estimate surface water depletions.

PROFESSIONAL REGISTRATION

Professional Geologist: Wyoming #3709, Arizona #51112
 Certified Professional Geologist #11324

EDUCATION

B.S., Geology, Adams State College, Alamosa Colorado 1995
 Graduate Work at Colorado State University in Civil Engineering, Fall 1995 – Spring 1996

2017 – Water Education Colorado 2017 Water Leaders
 2010 – LRE Project Management University (In House Course)
 2012 – LRE Leadership University (In House Course)

PRESENTATIONS and Publications

- April 2018. "Update to the Benefits of Directionally Drilled Alluvial Wells in the Town of Castle Rock", AWRA Colorado Section Annual 2018 Conference: Colorado Water 2018: Turning Conflict into Collaboration, Golden, Colorado.
- October 2017. "Overview of Castle Rock Water", 2017 Cartegraph National Conference, Plum Creek Water Purification Facility Tour, Castle Rock, Colorado.
- June 2017. "Benefits of Directionally Drilled Alluvial Well Lateral Arms in the Town of Castle Rock", 2017 AWWA Annual Conference and Exposition, Philadelphia, PA. Co-wrote with Matthew Hayes, Castle Rock Water.
- June 2016. "Benefits of Directionally Drilled Alluvial Well Laterals in the Town of Castle Rock", 2016 RMSAWWA/RMWEA Joint Annual Conference, Keystone, Colorado. Co-presented with Dave Colvin, Leonard Rice Engineers, Inc.
- March 2016 and 2015. "Water in Douglas County", Leadership Douglas County Program, Castle Rock, Colorado.
- May 2015. "Planning a Sustainable Future for the Town of Castle Rock", AWRA Colorado Section 2015 Annual Symposium, Golden Colorado. Co-presented with Sheri Scott with Castle Rock Water.
- May 2012. "Gaining a Sustainable Future through ASR, IPR, Conservation and Acquisitions of Renewable Sources in the Colorado Front Range Area", 2012 National Ground Water Summit, Garden Grove, California.

- July 2011. "Well 2A Aquifer Storage and Recovery Pilot Study", Prepared for Donala Water and Sanitation District, Colorado Springs, Colorado. Prepared with Leonard Rice Engineers.
- November 2010. "Denver Basin Economic Analysis, One way to look at it..Arapahoe and Laramie Fox Hills Aquifers", 2010 Geological Society of America (GSA) Annual Meeting & Exposition, Denver, Colorado, Technical Program-Hydrogeology.
- March 2010. "Denver Basin Economic Analysis, One way to look at it..Arapahoe and Laramie Fox Hills Aquifers"; The Denver Basin Lecture Series, A Look into the Future presented by Colorado Ground Water Association, March 19, 2010.
- July 2007. "A Day in the Life of a Hydrogeologist"; 2007 Colorado Ground Water Institute Program, Denver Colorado, sponsored by American Ground Water Trust, US Geological Survey and Colorado Ground Water Association.
- February 2006. "Evaluation of Box Elder Creek Alluvial Aquifer for Designation as a Ground Water Basin", Prepared for Central Colorado Water Conservation District, Groundwater Management Subdistrict, and Well Augmentation Subdistrict. Prepared with Leonard Rice Engineers, Inc.

PROFESSIONAL ACTIVITIES – CONTINUING EDUCATION

Colorado Ground Water Association, 2010-2009 Past President, 2008-2009 President, 2007-2008 Vice President –Successes included: an increase of membership and organized two one-day seminars and one day field trip that were very well attended.

National Ground Water Association

American Institute of Professional Geologist

RESUME

SCOTT G. MEFFORD
PRESIDENT, HYDROKINETICS, INC.
12975 West 24th Place
GOLDEN, COLORADO
80401

EXPERIENCE

1983-PRESENT

In 1983, Mr. Scott G. Mefford co-founded Hydrokinetics, Inc., a groundwater engineering firm specializing in geohydrology, water rights, and well system engineering. He is a senior project manager, working specifically in the areas of water supply development, water rights, groundwater planning, well design and maintenance, and aquifer analysis. Additionally, Mr. Mefford provides expertise in the application of geophysical techniques to groundwater investigations, groundwater modeling, aquifer recharge, groundwater contamination, and geologic mapping. He has routinely provided expert testimony before various local commissions, District Courts, Colorado Water Courts, and in Federal Court.

1972-1983

During eleven years with Willard Owens Associates, Inc., Mr. Mefford became corporate vice-president and manager of technical operations. In this capacity, Mr. Mefford supervised all technical activities of the Denver based geotechnical staff. He was responsible for drilling engineering projects, ground water development programs, mining hydrology studies, environmental hydrology investigations (including RCRA studies), regional aquifer studies, groundwater modeling programs, geological mapping, and groundwater monitoring programs. He managed many deep well construction programs and has prepared baseline and reclamation hydrology sections for a variety of mine permit applications in Colorado, Wyoming, Montana, and New Mexico. In addition to designing and implementing ground water monitoring systems, Mr. Mefford has supervised spill response, cleanup, and monitoring for a number of underground spills. Mr. Mefford has also provided expert testimony in both water court and in administrative hearings on numerous occasions.

1972-1980

Mr. Mefford served as vice president and consulting geophysicist to Western Well Logging, Inc., a sister firm of Willard Owens Associates, Inc.

1971-1972

Mr. Mefford was an economic geologist for the Colorado School of Mines Research Foundation.

1970-1971

Mr. Mefford was a staff geologist for the Colorado School of Mines Research Foundation performing air photography interpretation for the Colorado Land and Resource Inventory Project.

EDUCATION

Graduate studies in Mineral Economics, Colorado School of Mines, Golden, Colorado

Graduate of the U.S. Army Officers Engineers School, U.S. Army Corps of Engineers, Fort Belvoir, Virginia, 1971

B.S., Geophysical Engineering, Colorado School of Mines, Golden, Colorado, 1970

PROFESSIONAL AFFILIATIONS

Colorado Ground Water Association

President, 1991-92

American Institute of Professional Geologists

American Geophysical Union

National Ground Water Association

PROFESSIONAL REGISTRATIONS/CERTIFICATIONS

Certified Professional Geologist No. 5021

Wyoming Registered Geologist No. 620

APPOINTMENTS AND PEER REVIEW POSITIONS

Appointed by Governor to serve on Lowry Landfill Superfund Site Review Committee

Served on Peer review committee for SB-96-074

TEACHING POSITIONS

Taught Environmental Geohydrology, Metropolitan State College, Denver

Taught "Groundwater 101" , part of the Colorado Bar Associations Continuing Education Program

ELECTED POSITIONS

Member of Board of Directors, Genesee Water and Sanitation District, 2002-2005
Board President

Chief, Genesee Fire and Rescue, 2008-2010

TRAINING CERTIFICATIONS

Hazardous Materials and Site Investigations Training as Required by 29CFR Part 1910.120.

Certified at Operations Level for Hazmat Response by Colorado Division of Fire Safety

USEPA Region VIII START Course in Basic Chemical Hazard Classification

Safety Officer, Jefferson County Incident Management Team

Publications

Geoscience Data Base Handbook for Modeling a Nuclear Waste Repository, NUREG/CR-912, published by Lawrence Livermore Laboratory on behalf of U.S Nuclear Regulatory Commission, wrote chapters of handbook Vol. 1 and 2 dealing with hydrogeology and groundwater flow, 1979

Colorado Cases/Hearings in which Mr. Mefford Provided Testimony or Depositions Since 2000, and Expert Reports since 2008

2000 Case No. 96CW013, Water Court Division 1, Application for Non-Tributary Water Rights by Sportsmens Ranch LLP (2000)

2001 Case No. 96CW014, Water Court Division 1, Application for Tributary Water Rights and Plan of Augmentation, Sportsmens Ranch LLP and City of Aurora (2001)

2002 Case No. 96CW045, Water Court , Division 3, Application for Water Rights by Prairie Ditch Company

2003 Case No. 96CW313, Water Court, Division 4, Application for Water Rights by Town of Telluride

2003 Case No. 96CV2215, Division 8 District Court, Public Service Company of Colorado suit concerning natural gas contamination of water wells

2005 Case No. 94CW049, Water Court, Division 1, Water litigation involving non-trib groundwater, Parties include Objector, East Cherry Creek Valley Water and Sanitation District and Applicant, Pure Cycle Corp. (2005)

2005 Case 2005CV1613, Jefferson County District Court, Heagney Lawsuit involving dispute over well construction practices

2007 Hearing, Division 2, involving Cherokee Water District compliance with Court directions to curtail pumping

2008 Expert Report and Testimony in Case No 2007CW52, Colorado Water Division 3, involving creation of Ground Water Subdistrict in Closed Basin, San Luis Valley

2008 Rebuttal Report in Division 1 Case No. 02CW403, an Application for an Augmentation Plan filed by the East Cherry Creek Valley Water and Sanitation District, and United Water and Sanitation District

2009 .. Testimony before State Engineer regarding rule making for Non-Tributary designation for specific waters developed through coal bed methane development activities in the Piceance Basin

2010 .. Testimony before State Engineer regarding rule making for Non-Tributary designation for waters developed through conventional oil and gas development activities in the Piceance Basin

2010 Testimony before State Engineer regarding rulemaking for Non-Tributary designation for specific waters developed through conventional oil and gas extraction activities in the Denver Basin

2010 Testimony before the Hearing Officer of the Colorado Ground Water Commission regarding closure of portions of the Lost Creek Designated Basin to further appropriations (Hay Gulch)

2010 Expert Report in Division 1 Case Nos. 02CW404 and 03CW442, an Augmentation Plan filed by the East Cherry Creek Valley Water and Sanitation District, and United Water and Sanitation District

2011 Rebuttal Report in Division 1 Case Nos. 02CW404 and 03CW442, an Augmentation Plan filed by the East Cherry Creek Valley Water and Sanitation District, and United Water and Sanitation District

2011 Depositions on behalf of Gallegos Family regarding altering boundaries of Upper Crow Creek Ground Water Management District, 2003GW06

2011 Expert Report supporting Division 1 Case No. 2004CW326, an Augmentation Plan filed by the City of Thornton

2012 Hearing before the Upper Black Squirrel Ground Water Management District regarding Location and Impacts of the Tipton Well

2012 Depositions and Court Testimony in Division 3 Case No. 07CW42, Costilla County Conservancy District opposers to Battle Mountain Resources, Inc. Augmentation Plan.

2013 Expert Report for Division 1 Case No. 09CW275, involving various water rights for the Castle Pines Metropolitan District, and Castle Pines North Metro District

2013 Expert Report in Division 1 Case 03CW372 for Applicants in Green River Associates case in Conifer , Colorado

2013 Expert Report and Court Testimony in Division 1 Case No. 03CW371 for Augmentation Plan for "Bobcat Ridge" in Conifer, Colorado.

2013 Expert Report prepared for Division 1 Case 10CW306, an Augmentation Plan for East Cherry Creek Valley Water and Sanitation District in Adams County, Colorado

Scott LeRoy Niebur, CWP

Operations Manager

Expertise

- Water Treatment Plant Operations
- Water Distribution
- Wastewater Collection

Education

- 1992 – 1993 sessions at Aims Community College,
- Training courses in water treatment with specific training in membrane filtration.
- Training with process control from Hach Company.
- Course study RO, operations and maintenance
- Course study Membrane Advanced Chemical Cleaning
- Course study RO design

Organizations

- American Water Resources Association
- AWWA

Certifications

- State of Colorado Facility Operators, Class “A” Water Treatment License #11356.
- State of Colorado Facility Operators, Class “II” Distribution Operators License #14010.
- State of Colorado Facility Operators, Class “II” Collections Operator License #14011.
- Hach Company, Applied Analytical Chemistry Process Instrument Verification.

Mr. Scott Niebur has been in water treatment for 25 years and have gained experience in managing all aspects of a large water treatment system including implementing automated systems; selecting, supervising and training staff; developing and managing departmental budgets; establishing and monitoring productivity goals and leading cross-functional teams on key projects

Experience

Operations Manager, ECCV

Develops vision for the Operations Department; plans and implements departmental goals and objectives, policies and procedures to align with and achieve District goals and objectives; organizes and directs daily activities of the Operations Department, including leading, coaching, motivating, engaging, and evaluating staff. Plans, develops, implements programs and projects that support District wide operations. Assists with the identification, planning and prioritization of the District’s short and long-range capital improvement projects. Collaborates with other departments and employees on cross functional projects/committees/teams. Analyzes and manages a variety of information and data to implement solutions relating to water production, distribution system operation, and maintenances of equipment and systems requirements. Develops and manages departmental budget and forecasts. Participates in industry and intergovernmental activities to influence regulatory and legislative change. Ensures the District is compliant with local, state, and federal laws, reporting requirements, permits, environmental regulations and other regulatory requirements. Makes presentations and recommendations to staff, management, Board of Directors, and other organizations as needed.

Water Treatment Supervisor, City of Thornton

Provide Technical support and administrative recommendations to the Water Supply, Treatment and Quality Manager responsible for managing all aspect of operation for two water treatment plants. Direct and coordinates the operation and maintenance activities of the City’s two highly complex water treatment plants. Provide supervision and direction for 16 staff members, in charge of all plant operation and maintenance. Accountable for the 2007 budget and the preparation and presentation of the 2008 budget. Recommendations on hiring/firing and evaluations. Assign and track progress on all PM scheduled. Responsible for water quantity and quality provided to the City of Thornton. In Charge of Supervisory, Control and Data Acquisition (SCADA) systems.

Operations Supervisor, Glacier View Meadows

Responsible for operation and maintenance of five water treatment plants and major pumping facilities. Collection of all water samples. Background in Utilities operation and repair.

Scott Niebur, CWP

(Continued)

Construction and Maintenance of new and existing roads.
Fleet Maintenance.
Supervised 2 employees, responsible for schedules, performance appraisals and career development.

Water, Waste Water Forman, Fox Acres Country Club

In charge of water and wastewater facilities for 290 properties.
Responsible for installation of all new water and waste water services.
Service line repair.

Water and Wastewater Project Experience

Lagoon improvement Fox Acres, Colorado

Site Forman for construction improvements of lagoons at Fox Acres. Improvement included addition of anaerobic treatment cell additional aeration for aerobic cells and installation of a new Chlorine contact chamber.

Ultra Violet Disinfection Project, City of Thornton, Colorado

Mr. Niebur was instrumental in design review installation and startup of 5 Ultra Violet reactors for two water treatment plants, providing production capability of 50 million gallons a day (mgd) to the citizens of Thornton, Colorado.

Wes Brown Water Treatment Plant Expansion, City of Thornton, Colorado

Mr. Niebur was involved in all aspect of the Expansion project for Wes Brown Water Treatment Plant. This Expansion increased the current plant capacity from 30 MGD to 50 MGD by utilizing UF membrane filtration technology and new up flow solid contact clarification.

Chemical Feed Project Western Booster Facility, ECCV

Mr. Niebur assisted in all aspects of the Chemical Feed Project at the West Booster Station. This chemical feed system designed to treat 43.2 MGD.

Brine Disposal Deep Well Project, ECCV

Scott Niebur was involved in the design and drilling of the ECCV 10,320 feet Class 1 UIC well for disposal of concentrate from East Cherry Creek Valley 10 MGD RO plant.

Scott Niebur was also involved in the design and drilling of the ECCV 10,320 feet Class 1 UIC second well for disposal of concentrate from East Cherry Creek Valley 20 MGD RO plant.

Water Treatment Plant, ECCV

Scott was instrumental in the design review, construction and start up of East Cherry Creek Valley's MGD, 95% RO recovery utilizing UV disinfection by pass stream.

Mr. Niebur was engaged in the expansion of ECCV Water Treatment Plant from 10MGD to 20MGD at 95% RO recovery.