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*Exempt from filing fee pursuant to  
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8 Attorneys for Cross-Complainant,  
9 ANTELOPE VALLEY-EAST KERN WATER AGENCY

10 **SUPERIOR COURT OF THE STATE OF CALIFORNIA**  
11 **FOR THE COUNTY OF LOS ANGELES – CENTRAL DISTRICT**  
12

13 Coordination Proceeding  
14 Special Title (Rule 1550(b))

Judicial Council Coordination Proceeding  
No. 4408

15 **ANTELOPE VALLEY**  
16 **GROUNDWATER CASES**

**Santa Clara Case No.**  
**1-05-CV-049053**  
The Honorable Jack Komar, Dept.17

17 **Included Actions:**

**ANTELOPE VALLEY-EAST KERN**  
**WATER AGENCY'S SECOND**  
**SUPPLEMENT TO TRIAL EXHIBITS**  
**FOR PHASE V TRIAL**

18 Los Angeles County Waterworks District  
19 No. 40 vs. Diamond Farming Company, a  
20 corporation, Superior Court of California,  
County of Los Angeles, Case No.  
BC325201;

Trial Date: February 18, 2014  
Time: 9:00 a.m.  
Location: Los Angeles County Superior  
Court, Old Dept. 1 (Room 222)

21 Los Angeles County Waterworks District  
22 No. 40 vs. Diamond Farming Company, a  
23 corporation., Superior Court of California,  
County of Kern, Case No. S-1500-CV-254-  
348;

24 Wm. Bolthouse Farms, Inc. vs. City of  
25 Lancaster, Diamond Farming Company, a  
26 corporation, vs. City of Lancaster, Diamond  
27 Farming Company, a corporation vs.  
Palmdale Water District, Superior Court of  
California, County of Riverside, Case Nos.  
RIC 353840, RIC 344436, RIC 344668.

Antelope Valley-East Kern Water Agency (AVEK) hereby supplements its Exhibit List for Phase V Trial as follows:

<u>Exhibit</u>	<u>Description</u>
5-AVEK-25	To include Professional Resume of Robert C. Wagner
5-AVEK-46	To include Professional Resume of David H. Peterson.
5-AVEK-57	Statement of Qualifications and Experience of Thomas A. Rinn.

Dated: February 13, 2014

**BRUNICK, McELHANEY & KENNEDY PLC**

By: \_\_\_\_\_

William J. Brunick  
Leland P. McElhaney  
Attorneys for Defendant/Cross-Complainant,  
Antelope Valley-East Kern Water Agency

**ROBERT C. WAGNER**  
**PROFESSIONAL RESUME**

# **Wagner & Bonsignore**

Consulting Civil Engineers, A Corporation

Nicholas F. Bonsignore, P.E.  
Robert C. Wagner, P.E.  
Paula J. Whealen  
Henry S. Matsunaga

David H. Peterson, CEG, CHG  
David Houston, P.E.  
David P. Lounsbury, P.E.  
Vincent Maples, P.E.  
Emily MacDonald  
Ryan E. Stolfus

James C. Hanson  
Consulting Civil Engineer  
A Corporation

## **ROBERT C. WAGNER PROFESSIONAL RESUME**

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### **REGISTRATION:**

Civil Engineer, California (License No. 52903)  
Civil Engineer, Nevada (License No. 021017)

### **EDUCATION:**

B.S. Civil Engineering – California State University, Sacramento, CA - 1988

### **EXPERIENCE:**

Mr. Wagner is the president of Wagner & Bonsignore Engineers and is a Registered Civil Engineer in California and Nevada, with 23 years experience in water resources management, water right analysis, surface and groundwater water hydrology and land use evaluations for municipal and agricultural projects. Mr. Wagner has been the court appointed engineer for the Mojave Watermaster for over 19 years and has provided expert witness testimony on various matters related to water resources and water rights in court and before the State Water Resources Control Board. Mr. Wagner has demonstrated expertise in areas of consumptive use analysis, watershed hydrology, facility design for storm water capture and analysis of return flow to support water transfers, administration of court ordered judgments and water supply sustainability.

Mr. Wagner serves a wide variety of private and public clients throughout California, managing projects from concept to implementation. Mr. Wagner's work includes pre-1914 appropriative water right investigation, analysis of riparian and overlying water rights and appropriative rights administered by the State Water Resources Control Board.

Mr. Wagner has demonstrated communication skills to work with a wide range of legal and technical professional and stakeholder groups. He has strong organizational and analytical skills and a recognized ability to provide cost effective solutions to difficult water resource problems.

## **RECENT EXPERIENCE INCLUDES THE FOLLOWING:**

Provide engineering consulting services on behalf of Antelope Valley East Kern Water Agency in connection with quantification of return flow from water used for irrigation and other uses.

Provide engineering consulting services on behalf of Los Angeles World Airports in connection with quantifying water use from various sources for irrigation.

Provide engineering consulting services on behalf of San Joaquin County in connection with water right applications and water resources management within San Joaquin County.

Provide engineering services for Chino Basin Water Conservation District, San Bernardino County in connection with storm water recharge in Chino Basin.

Watermaster Engineer for Orange County Water District; perform analysis of hydrologic and water quality data for the Santa Ana River Watershed for Water Year 2009-10; distinguish storm flow and base flow at Prado Dam and at Riverside Narrows, preparation of portions of the Watermaster's annual report to the Court.

Provide engineering services for Lake Alpine Water Company / Alpine County in connection with the State Water Resources Control Board water right hearing and hydrology of South Fork Stanislaus River for State Filed Application 5648.

Provide Engineering services for Natomas Mutual Water Company, in connection with the water rights. Evaluation of water rights for 51,000 acres of agricultural operation, water right analysis and water transfers.

Provide engineering services on behalf of City of Sacramento in connection with the Water Resources of the American River.

Provide engineering services on behalf of City of Ukiah in connection with water rights and hydrology of the Russian River, Mendocino County.

Provide engineering services on behalf of Sonoma County Water Agency in connection with development of agricultural reuse project for use of treated wastewater for vineyard irrigation.

Provide engineering services in connection with analysis of water production and hydrologic data for development of water use agreements for over 100 growers in the Dry Creek Valley in Sonoma County.

Provide engineering services for City of Santa Maria in connection with the hydrologic resources of the Santa Maria Groundwater Basin.

Engineering expert in the matter of Bonadiman v. Evans in San Bernardino Superior Court on behalf of prevailing party Evans. Research and documentation of water development and water right acquisition dating to 1883.

Provide engineering services for The Wildlands Conservancy in connection with water resource matters for extensive land holdings in San Bernardino and Kern Counties.

Provide engineering services for Wells Fargo Bank in connection with the analysis of water rights and water availability on the Kern River.

Watermaster Engineer for the Mojave Basin Area Watermaster in the matter of the Mojave River Adjudication, City of Barstow, et al, vs. City of Adelanto, et al. Collection and analysis of data for preparation of Annual Watermaster Report, including groundwater production and hydrology studies of the Mojave River System and groundwater basin in connection with storm flow base flow separation determination and the analysis of water transfers and land use changes. Preparation of Annual Watermaster report.

Provide engineering services on behalf of the Mojave Water Agency in connection with Mojave Basin Area Adjudication. Coordinate activities for professional and sub-professional staff for collection, analysis and verification of water production records for approximately 7,000 wells in the Mojave River Basin. Participate in meetings of the Joint Engineer-Attorney Drafting Committee formed to negotiate and draft the Stipulated Judgment. Participation in the drafting and ongoing revisions of the Watermaster Rules and Regulations.

Provide engineering services in connection with for the Warren Valley Basin Watermaster, San Bernardino County. Analysis of groundwater production records and basin hydrology for preparation of Annual Watermaster Report.

Provide engineering services in connection with work for East Valley Water District, San Bernardino County, regarding the analysis of surface and subsurface hydrology of the Santa Ana River and the availability of water for the Seven Oaks Dam Project and fully appropriated listing of the Santa Ana River.

Provide engineering services on behalf of Kirkwood Associates before the State Water Resources Control Board in the matter of South Fork American River Hearings, October 1995. Analysis of the South Fork American River and Caples Creek hydrology in connection with same.

Provide engineering services in connection with work for High Desert Water District, San Bernardino County, regarding the analysis of water quality and ground water elevation data for monitoring the potential impacts of ground water extractions from the Ames Valley Basin.

Provide engineering services in connection with work for Hidden Valley Lake Community Services District, Lake County, regarding the hydrologic analysis of Upper Putah Creek Watershed

and the Coyote Valley groundwater basin in support of amendments to fully appropriated stream status and applications to appropriate surface and subsurface water from Putah Creek; continued monitoring of the Coyote Valley groundwater basin in connection with administration of water rights.

## **CONTINUING EDUCATION**

"California Environmental Quality Act Update", University of California, Davis - February 1992

"California Water Law", University of California, Davis - November 1989 to January 1990

"Understanding Wetlands and 404 Permitting", ASCE July 1997

"Fundamentals of Water Rights and Colorado River Issues", University of Nevada, Las Vegas  
January 1998

"Fundamentals of Groundwater Hydrology", UC Berkeley Extension, July 2002

# **Wagner & Bonsignore**

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Ryan E. Stolfus

**James C. Hanson**  
Consulting Civil Engineer  
A Corporation

## **Robert C. Wagner, P.E.** **Biography**

Robert C. Wagner is President of Wagner & Bonsignore Engineers and is a California Registered Civil Engineer specializing in water resources management, water right analysis, Watermaster services, administration of court judgments, litigation consultation, hydrologic analysis, and general civil engineering services. Mr. Wagner represents various public agencies and private clients in northern and southern California in matters related to surface and subsurface hydrology for water supply and the determination of water right allocation. In cooperation with James C. Hanson Consulting Engineers, Mr. Wagner was the Senior Engineer on behalf of the Mojave Water Agency in the matter of Barstow v. Adelanto and was primarily responsible for water production verification and the hydrologic analysis of the Mojave River Basin. Mr. Wagner currently serves as Engineer for the Mojave Basin Area Watermaster in connection with the administration of the Judgment serving 500 parties and 1500 wells. Mr. Wagner also provides engineering services and has served as expert witness for Chino Basin Water Conservation District, San Bernardino County in connection with storm water recharge in Chino Basin.



**DAVID H. PETERSON**  
**PROFESSIONAL RESUME**

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# Wagner & Bonsignore

Consulting Civil Engineers, A Corporation

Nicholas F. Bonsignore, P.E.  
Robert C. Wagner, P.E.  
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Henry S. Matsunaga

James C. Hanson  
Consulting Civil Engineer  
A Corporation

David H. Peterson, CEG, CHG  
David Houston, P.E.  
David P. Lounsbury, P.E.  
Vincent Maples, P.E.  
Emily MacDonald  
Ryan E. Stolfus

## DAVID H. PETERSON PROFESSIONAL RESUME

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### REGISTRATIONS:

California Registered Geologist No. 3830  
California Certified Engineering Geologist No. 1186  
California Certified Hydrogeologist No. 86  
Oregon Certified Engineering Geologist No. 1510

### EDUCATION:

University of California, Davis - M.S. in Geology, 1980  
University of California, Davis - B.S. in Geology, 1976

### EXPERIENCE:

Mr. Peterson has over 30 years of experience as an engineering geologist and hydrogeologist, performing site investigations for a wide variety of geologic, hydrogeologic (groundwater), geotechnical, and environmental projects throughout the western United States. Geologic and geotechnical projects have included studies for schools, hospitals, office buildings, subdivisions, bridges, pipelines, and state-regulated dam sites; active fault and landslide/slope stability evaluations, preparation of EIRs; and site investigations for utilities, marinas, subdivisions, dam sites, road alignments, office buildings, timber harvest plans, and mine facilities. Hydrogeologic studies have included evaluation of groundwater availability in water scarce areas, geologic review for siting of new water wells, and conducting pumping tests to assess the potential impacts of the new wells on existing neighboring wells. Mr. Peterson has extensive project experience in the investigation and remediation of fuel and solvent releases to soil and ground water; work related to landfills and toxic pits, characterization of PCB, asbestos, and heavy metals contamination. Emphasis in cleanup of fuel release sites has focused on in-place systems using air or ozone injection, vapor extraction, or dual-phase (groundwater and soil vapor) extraction to remediate the impact with minimal effect on the Client's on-site operations.

## **RECENT EXPERIENCE INCLUDES THE FOLLOWING:**

### **TIMBER HARVEST PLAN REVIEWS – Various Locations in California**

Performed engineering geologic review of Timber Harvesting Plans, Timber Conversion Plans, and Non-Industrial Timber Management Plans for properties in Sonoma, Mendocino, Humboldt, and Santa Cruz Counties. Review involved extensive aerial photo interpretation and geologic mapping of landslide features in forested terrain, as well as site reconnaissance with Registered Professional Foresters to evaluate impacts of timber harvest and road construction. Attended Pre Harvest Inspections with members of responsible regulatory agencies.

### **LANDSLIDE INVESTIGATION, NEW RETIREMENT COMMUNITY – Santa Rosa, CA**

Consultant to geotechnical firm performing evaluation of landslide hazards to planned new retirement community in eastern Santa Rosa, California. Investigation involved extensive geophysical surveys and downhole borehole logging to characterize both ancient and more recently active landslides. Performed field observation and consultation as part of landslide removal and buttressing during project construction.

### **FAULT RUPTURE HAZARD EVALUATION, AVON REFINERY - Martinez, CA**

Performed geologic evaluation of fault rupture hazards from the active Concord fault for a planned cogeneration plant at an existing oil refinery. Investigation included logging of exploratory trenches to assess presence/activity of faulting.

### **LANDSLIDE EVALUATION, RESIDENTIAL DEVELOPMENT - San Pablo, CA**

Performed engineering geologic assessment of historical landsliding potentially affecting planned residential construction. Review prior geologic data and aerial photography dating back to the 1940's to evaluate risk of landslide movement in planned lots. Provided report to geotechnical engineers, for review by City of San Pablo.

### **SEISMIC HAZARDS STUDY, BROOK HAVEN SCHOOL - Sebastopol, CA**

Initially performed as soil investigation for new gymnasium, discovered widespread seismic liquefaction hazard underlying existing school site. Based on findings and subsequent review and concurrence by California Division of Mines and Geology, decision was made to rebuild school campus. In conjunction with design team, developed mitigation plan for liquefaction hazards, including foundation design (driven piles, grid foundations) and ground improvement by pressure grouting.

### **STATE JURISDICTIONAL DAMS - Various Sites in California**

Performed numerous engineering geologic evaluations of existing and proposed new earth embankment dams under jurisdiction of California Division of Safety of Dams (DSOD). In conjunction with project Civil Engineers, develop scope of investigation for DSOD review, perform field investigations and coordinate site visits with DSOD reviewers, and prepare geologic reports for submittal with design package.

#### NEW HIGH SCHOOL SITES - Windsor, CA

Performed geologic and geotechnical studies as part of site selection process for new high school for the Windsor Unified School District. Studies included subsurface investigation, laboratory testing, and engineering analysis to evaluate of liquefaction potential and seismic safety of an embankment dam on one of the sites. Provided soils-related testing services during project construction.

#### NEW MIDDLE SCHOOL - Windsor, CA

Performed geologic and geotechnical studies for development of new middle school for the Windsor Unified School District. Evaluation of geologic hazards identified potential for liquefaction of soil strata beneath site. Provided geotechnical recommendations for site development, including mitigation of liquefaction hazards. Provided geotechnical testing services during site grading and underground utility installation.

#### GEOLOGIC HAZARDS EVALUATIONS, VARIOUS SCHOOL SITES

Provided geologic hazards evaluations for new and existing school sites throughout Marin, Sonoma, Napa, San Francisco, and Mendocino Counties, California. Reports have been reviewed by Division of State Architect and California Division of Mines and Geology with all reports successfully accepted by the agencies.

#### CASCADE RANCH RESERVOIRS - San Mateo County, CA

Performed geologic and geotechnical studies for two water supply reservoirs planned in the active San Gregorio fault zone. Geologic studies included over 1,100 feet of trenching in the proposed embankment areas, to assess the potential for surface fault rupture. Because both fault and liquefaction features were found, reservoir locations were revised. Geotechnical studies evaluated safety of reservoir embankments with up to one foot of vertical or horizontal ground movements.

#### ENGINEERING GEOLOGIC EVALUATION - Humboldt County, CA

Preliminary soil and geologic study for proposed 10-lot subdivision. Included subsurface investigation, including trenching for active faults, laboratory testing and development of recommendations for site development. Active faults were found in a portion of the property, requiring establishment of setbacks from the areas of potential surface rupture, as well as special foundation design guidelines in areas of potential ground deformation.

#### ARCATA TRANSIT FACILITIES - Humboldt County, CA

Performed fault and geotechnical investigation for site of new City transit facility in active fault zone. Included trenching up to 23 feet through old fill materials into native soils to assess fault hazards. Geotechnical studies included drilling and sampling of test borings and engineering analysis of settlement potential of old fills and weak marsh deposit soils.

#### LAKE SONOMA MARINA - Sonoma County, CA

Boat Launch Ramp - Performed detailed geotechnical studies of proposed boat launch ramp through ancient landslide deposit. Investigation included drilling, trenching, geophysical studies, laboratory analysis of soils, and stability analysis to evaluate stability of landslide during rapid drawdown of the reservoir.

**MC LAUGHLIN GOLD MINE - Napa County, CA**

Performed geotechnical studies from initial project planning and site selection through detailed investigation for project design. Included investigation of ore grinding and processing facilities, six state-sized embankment dams, and slurry pipeline route. Provided field observation of landslide repairs up to 60 feet deep during site grading.

**SANTA ROSA MEMORIAL MEDICAL OFFICE BUILDING - Santa Rosa, CA**

Geologic and geotechnical site investigation for 4-story medical office building and adjacent 6-story concrete parking structure in special study zones established for Healdsburg-Rogers Creek fault zone. Scope of study included detailed geologic study, trenching, test borings, and engineering analysis. Analysis included evaluation for foundation systems for heavy loads associated with concrete parking structure next to the office building.

**GUALALA WASTEWATER TREATMENT FACILITIES - Gualala, CA**

Performed soil and geologic studies for site of new waste-water treatment plant, storage ponds, and spray irrigation areas. Studies involved extensive permeability testing of onsite soils, evaluation of impacts to shallow ground water and engineering analysis for construction of pond embankments in seismology active region.

**DEBRIS FLOW HAZARD EVALUATION - San Rafael, CA**

Performed investigation of potential source areas of rapid-moving debris flow landslides to proposed residential subdivision. Studies included subsurface investigation of debris source areas and testing of soils to evaluate their susceptibility to development as debris flows. Developed recommendations for mitigation of hazards including debris fences and settling basins.

**GEOTECHNICAL INVESTIGATIONS - Geysers Geothermal Area, Lake County, CA**

Completed numerous geotechnical site investigations for proposed geothermal power plants, steam well pads, steam transmission lines, access roads and administrative facilities at the Geysers Geothermal area.

**ROGERS CREEK FAULT RUPTURE EVALUATION - Sonoma County, CA**

Evaluated potential fault rupture hazard to proposed 4 mile-long segment of new PG&E natural gas pipelines across the active Rogers Creek fault zone in southern Sonoma County. Report included estimates of amount of fault displacement and recommendations to reduce/mitigate hazards.

**ALQUIST PRIOLO SPECIAL STUDIES ZONES ACT - (Various Sites)**

Provided technical review of geologic reports prepared in accordance with the Alquist Priolo Special Studies Zones Act to evaluate the adequacy of the reports and advise the governing agency as to their acceptability. Performed geologic investigations of fault rupture hazard for sites in Sonoma, Mendocino, Humboldt, Contra Costa, and San Mateo Counties.

**GAUER ESTATE VINEYARDS - Geyserville, CA**

As part of a design team consisting of civil, geotechnical, and agricultural engineers, performed geologic planning study of proposed 6,000-acre hillside vineyard and residential property. Developed planning maps for slope stability, water supply, and aggregate supplies. Evaluated feasibility of eight water supply reservoir sites affected by landslides and active faults.

## **ENVIRONMENTAL/GROUNDWATER PROJECT EXPERIENCE:**

### **GROUNDWATER AVAILABILITY STUDIES – Sonoma County, CA**

Performed numerous geologic evaluations of groundwater availability for use permits and subdivisions in water-scarce areas of Sonoma County. Evaluations include estimates of groundwater occurrence, storage, and recharge to assess additional cumulative impact posed by planned project.

### **ASSESSMENT OF GROUND-WATER PUMPING FOR NEW WINERY - Napa, CA**

Developed well test protocols and performed field pump tests to assess the potential impact of ground-water pumping from new winery well on neighboring wells. Coordinated with neighbors, Napa County regulators, and project owner's attorneys to perform test.

### **NEW GROUNDWATER SUPPLY STUDIES – Sonoma and Mendocino Counties, CA**

Performed geologic studies for various properties, to evaluate groundwater supply and new water well locations. Studies included geologic mapping, geophysical studies, and drilling test holes to assess groundwater supply. Observed/logged geologic conditions during drilling, and performed well tests to evaluate well yield and specific capacity.

### **FUEL CLEANUP BY SPARGING/VAPOR EXTRACTION - Sonoma County, CA**

As consultant and general contractor, designed, installed and operated in-place systems using air injection (air sparging), ozone sparging, and vapor extraction to remediate fuel constituents in soil and ground water. Systems were installed in Sonoma County and are currently in operation or pending case closure. At one site, fuel concentrations in ground water decreased by 75% after three months of operation. Currently designing systems to remediate high levels of benzene and MTBE in ground water at sites in Petaluma, Santa Rosa, and Sebastopol.

### **CALIFORNIA UNDERGROUND STORAGE TANK CLEANUP FUND (FUND)**

Assisted clients in obtaining compliance for reimbursement by Fund, assisted preparing requests for contractor bids, managed and performed investigations, prepared invoices and reimbursement requests to meet requirements of Fund.

### **U.S. COAST GUARD TRAINING FACILITIES - Two Rock, CA**

Project manager for environmental consulting services during removal of underground fuel storage tanks at 20 locations on the facility. Included field observations, monitoring, and sampling during tank removal, regulatory agency coordination, and direction to contractor during soil overexcavation.

### **U.S. NAVY FACILITIES - San Francisco, CA**

Performed evaluation of in-ground acid-dipping tanks to determine whether facilities were subject to California Toxic Pits Cleanup Act. Worked in conjunction with civil engineer to evaluate structural integrity of tanks and prepare final report for regulatory agency review.

### **GROUND-WATER INVESTIGATION, SOLA OPTICAL - Petaluma, CA**

Performed hydrogeologic investigation of solvent release from industrial site. Scope included installation and development of monitoring and extraction wells, aquifer testing, and long-term water-level monitoring.

**HUNTERS POINT NAVAL SHIPYARD - San Francisco, CA**

Developed scope of work and managed field work for remedial investigation of military landfill on Bay margin. Possible materials disposed since 1940's included paints, fuels, PCB's, cyanide wastes, heavy metals, and sand blast waste. Evaluated potential impacts of leachate migration to Bay.

**AIR SPARGE/VAPOR EXTRACTION REMEDIATION SYSTEM, Sebastopol, CA**

Prepared remedial action plan for cleanup of fuel hydrocarbons in soil and ground water at former gas station site. Following approval of remedial plan by regulatory agency, installed remedial system components, including well installations and treatment unit, and coordinated tasks of trenching and electrical subcontractors. Remediation system was converted from air sparging to ozone sparging; sampling indicates hydrocarbon impact in groundwater has been largely mitigated. Site currently in post-remedial monitoring phase.

**FUEL RELEASE INVESTIGATIONS, FRACTURED BEDROCK SITE, Petaluma, CA**

Completed field investigation, performed pilot testing, and prepared feasibility studies for cleanup of a site with fuel release to fractured volcanic bedrock aquifer. Pilot studies included continuous rock coring to locate specific fracture zones; heat pulse surveys to identify potential areas of fracture flow; ground-water pumping and ozone sparging tests to evaluate the feasibility of using these cleanup methods. Remediation system consisted of ozone sparging into impacted fracture zones. System operation resulted in steep declines in hydrocarbon concentrations in ground water, leading to case closure by the regulatory agency.

**PROFESSIONAL EXPERIENCE:**

1997 - Present	The Geoservices Group President and Principal Engineering Geologist
1992 - 1997	Trans Tech Consultants, Santa Rosa, CA President and Principal Engineering Geologist
1991 - 1992	Consulting Engineering Geologist
1990 - 1991	GeoStrategies Inc., Hayward, CA Geologic Manager
1989 - 1990	Herzog Associates, Petaluma, CA Senior Geologist
1987 - 1989	Harding Lawson Associates, Novato, CA Senior Geologist
1985 - 1987	Van Houten Consultants, Petaluma, CA Senior Engineering Geologist

1980 - 1985

Harding Lawson Associates, Novato, CA  
Staff and Senior Geologist

## **AFFILIATIONS**

Association of Engineering Geologists



# **EXHIBIT 5-AVEK-57**

# **Statement of Qualifications and Experience**

**Thomas A. Rinn**

dba, Water Works Consulting, 852 Jacana Court, Arroyo Grande, California 93420 (805) 474-9673

## **Experience**

### **Project Management and Financial Analysis**

#### **State Water Project Contract Administration – 32 years**

**Performed and directed analysis of the State Water Project (SWP) contractual and financial administration by the state's Department of Water Resources**

- ◆ **Cost invoicing in compliance with contract provisions**
- ◆ **Administration of annual audit contract for cost allocation procedure and billing contractual compliance verification**
- ◆ **Assessments of contractual project purpose cost allocation appropriateness for water supply repayment obligations**
- ◆ **Assessments of contractual allocation compliance for water supply costs among the 29 contracting agencies**
- ◆ **Assessments of contractual allocation compliance for repayment of costs assigned to individual water agencies**
- ◆ **Assessments of administrative procedure applications to costs repayment**

#### **Negotiation of Contract Amendment Provisions**

- ◆ **Financial impact analysis of amendment provisions**
- ◆ **Cost repayment analysis of amendment provisions**
- ◆ **Principle and language development**

#### **Administrative Procedures Implementing Contract Provisions**

- ◆ **Assessed existing administrative procedures for compliance with contract intent**
- ◆ **Active involvement in state and contractor composed committees to resolve problems and develop new procedures**

#### **Analysis of Department of Water Resources Budget Provisions**

- ◆ **Review program budget projections of costs and content**
- ◆ **Active participation in water contractor meetings with Department of Water Resources program managers to influence future accomplishments**

#### **Water Agency State Water Project Payment Projections**

- ◆ **Annual budget provision development of State Water Project payments to incorporate management financial objectives**
- ◆ **Annual revenue requirements projection of State Water Project payments**
- ◆ **Develop projections of future facility costs and repayment financial scenarios requiring financial instrument assessments**
- ◆ **Develop assessments of water transfer payment obligations**

#### **Construction Contract Administration**

- ◆ **Prepare monthly payment assessments to determine payments for work completed on unit price contracts**
- ◆ **Construction change order preparation to provide compensation for work performed outside original contract**

## **Consulting Services**

**4/99 to present**

**Clients have included: State Water Contractors, Metropolitan Water District of Southern California, Mojave Water Agency, Napa County Flood Control and Water Conservation District, Antelope Valley – East Kern Water Agency, Solano County Water Agency, San Gabriel Valley Municipal Water District, Castaic Lake Water Agency, Coachella Valley Water District, San Geronio Pass Water Agency, Palmdale Water District, and Nossaman Guthner Knox Elliott LLP**

**Services have also been provided as part of cooperative programs to Western Water Company, Azurix, PSOMAS, and Reiter-Lowery Consultants.**

## **Employment History**

**1/67 - 3/99    Metropolitan Water District of Southern California  
Los Angeles, California**

**9/65 – 12/66   Pacific Materials Laboratory  
Bloomington, California**

**6/65 – 9/65    U. S. Geological Survey  
Menlo Park, California**

**5/64 – 9/64    Las Gallinas Valley Sanitation District  
San Rafael, California**

## **Professional License**

**Civil Engineer, State of California, 1978**

## **Education**

**California State University, Los Angeles   B. S. C. E. 1974**

**Additional studies**

**University of California, Berkeley  
University of Southern California**

## **Professional Organizations and Affiliations**

**Tau Beta Pi  
Chi Epsilon**

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I am employed in the County of the San Bernardino, State of California. I am over the age of 18 and not a party to the within action; my business address is 1839 Commercenter West, San Bernardino, California 92408-3303.

On February 13, 2014, I served the foregoing document(s) described as: **ANTELOPE VALLEY-EAST KERN WATER AGENCY'S SECOND SUPPLEMENT TO TRIAL EXHIBITS FOR PHASE V TRIAL** in the following manner:

■ **BY ELECTRONIC SERVICE AS FOLLOWS** by posting the document(s) listed above to the Santa Clara website in the action of the *Antelope Valley Groundwater Litigation*, Judicial Council Coordination Proceeding No. 4408, Santa Clara Case No. 1-05-CV-049053.

X (STATE) I declare under penalty of perjury under the laws of the State of California that the above is true and correct.

Executed on February 13, 2014, at San Bernardino, California.

P. Jo Anne Quihuis