

**APPLICATION FOR
COUNTY OF EL DORADO
BOARD, COMMISSION, OR COMMITTEE**

Return to: Clerk of the Board of Supervisors
County Government Center
330 Fair Lane, Placerville, CA 95667
e-mail: edc.cob@edcgov.us

DATE RECEIVED

Copy to Supervisor - District _____

INSTRUCTIONS: Please complete each item below. Be sure to enter the title of the Board, Commission, or Committee (only one per application please) for which you desire consideration. For more complete information or assistance contact the Clerk of the Board of Supervisors' Office. This application shall be maintained for a period of one year only. After one year it is necessary to file a new application for another year of eligibility. Please print in ink or type.

1. Board/Commission Applying for: TRCD Board of Directors	2. Today's Date: 9/08/14
3. Name: Thiel, John Andrew <small>Last First Middle</small>	4. E-Mail Address: _____
5. Address: <small>Number Street</small> <small>City Zip Code</small>	6. Telephone: <small>Home</small> <small>Business</small>
7. Occupation/Title: Civil Engineer / Principal Engineer, STPUD	Employer: South Tahoe Public Utility District
8. List all County board, commissions or committees of which you are now or have been a member. Indicate dates of service. None.	
9. Summary of qualifications related to group(s) listed above. (What experience or special knowledge do you bring to your area of interest?) I am a California PE and MBA with over 22 years experience as a civil engineer in the Tahoe Basin managing and leading the planning, design, permitting, and construction of over 50 water, wastewater, and water reuse projects with an aggregate construction value of over \$75M. Extensive experience in hydrology, hydraulics, site restoration, BMPs, regulatory framework and political structures. See attached resume and work history.	
10. Affiliations with professional and/or community groups: Tahoe Sustainability Commission, Chair, Energy-Water-Waste-Efficiency; Liaison, El Dorado County and City of South Lake Tahoe; representative, Tahoe Water Suppliers Association, Lake Tahoe Wastewater Infrastructure Partnership, TRPA Regional Plan Update, Groundwater Management Plan, Alternative Energy Study, ACWA.	
11. Why do you seek appointment? I am fortunate to be working, living, and raising a family in South Lake Tahoe for 22 years now and seek to utilize my professional and personal skills at a community and regional level, to actively participate and work with others in an effective organization for the preservation, protection, and improvement of our natural environment.	
12. Additional Information: Give any information explaining your qualifications, experience, training, education, volunteer activities, community organization memberships, or personal interests that bear on your application for above Board, Commission, or Committee. Attach additional sheets as necessary. Please refer to the attached resume and project history. Other activities and interests include mentor for Tahoe Youth and Family Services, Optimist Club, Youth Sports - soccer, baseball, basketball, football, Community Ballfields Project, St. Theresa's, TAMBA, South Tahoe Crossfit, Tahoe Engineers, Architects, Surveyors Assoc.	
13. Indicate Supervisor who will receive a copy of this application: Supervisor, Ms. Norma Santiago	

Appointees to Boards, Commissions or Committees are not considered to be County employees for purposes of benefits, such as Workers Compensation, health insurance, etc.

Signature of Applicant

SIGN HERE

9.08.14
Date

John A. Thiel, PE, MBA

3thiels@att.net • 530.545-3521 • P.O. Box 14349, South Lake Tahoe, CA 96150

Current Position

Principal Engineer

Education

*M.B.A., Business
University of Nevada
Reno, Nevada, 2003*

*B.S., Civil Engineering
Iowa State University
Ames, Iowa, 1987*

Registration

*Professional Civil
Engineer No. 47912,
California*

Experience

25 years

Expertise

*Water Systems Planning,
Computer Modeling,
Design, and Construction*

*Wastewater Systems
Planning Design, and
Construction*

*Reclaimed Water Systems
Planning, Design and
Construction*

*Water Resources,
Hydrology and Hydraulic
Planning, Design, and
Construction*

*General Civil Engineering,
Buildings, Roads,
Drainage, Rehabilitation*

*Coatings and Corrosion
Control Systems*

Technology

*AutoCAD, GIS, GPS,
CMMS, InfraMAP, InfoWater,
InfoSewer, WaterCAD, HEC 1,
HEC2, SCADA*

Experience Summary

Mr. Thiel is a California PE and MBA with over 25 years experience in managing and leading the planning, design, permitting, and construction of over 50 water, wastewater, and water reuse projects with an aggregate construction value of over \$75M. Comprehensive engineering and management experience includes:

- Water production wells, treatment, storage and distribution systems.
- Wastewater system collection, pumping, treatment, and disposal
- Water Reuse planning, design, construction, crop irrigation.
- Hydrology and hydraulics, river routing and flood control, stormwater collection, treatment, disposal, and beneficial reuse.
- New buildings, existing building assessments and upgrades.
- Site development, utilities, drainage, coverage, land use and capability.
- Site restoration and revegetation, river bank stabilization, BMPs.
- New roads, curb and gutter, new paving, pavement replacement.
- Coatings installation, assessment and rehabilitation.
- Corrosion assessment and cathodic protection installations.
- Asset Management, CMMS development and integration, Condition Assessments, Alternatives development, Business Case Evaluations.
- GIS development and integration including Trimble GPS and InfraMAP.
- Grant program development including research, application development, implementation, and administration of over \$20M in grant funding.
- Permitting and Regulatory Compliance including NEPA and CEQA

Work History

1992 to Present. South Tahoe Public Utility District, South Lake Tahoe, CA. Principal Engineer. Responsible for water, wastewater, and water reuse systems planning, technical studies, regulatory compliance, CIP development, engineering design development, project implementation and management of multiple, complex construction efforts. Project manager and engineer for over 8 well and well treatment projects; 11 water tanks; 5 booster stations, 10 waterline and meter projects; water modeling and system master planning. Project management and engineering provided for over 20 wastewater projects including gravity and force main projects, pump stations, solids handling, odor control, primary clarifiers, and other treatment plant projects; collection system master planning; plant process and facility planning. Directed the implementation of District-wide GIS and CMMS coordination. Coordinating regional effort to develop renewable energy projects including hydro, solar, wind, and geothermal.

1990 to 1992. MWH Consulting Engineers, Pasadena, CA. Project Engineer. Water reclamation master planning, source and market analysis, distribution system design, regulatory and economic analysis, funding analysis. Wastewater treatment plant master planning and project implementation.

1988 to 1990. Horner & Shifrin Engineers, St. Louis, MO. Project Engineer. Developed and managed industrial wastewater pretreatment program; sewer planning and design, hydrologic and hydraulic modeling, watercourse restoration.

Attachment 1 - Project History

(Chronological Order by Employer)

ID	Year	Type	Project Title	Project Responsibility / Role:						Notes
				PE	P	PM	CM	I	CSM	
Horner & Shifrin, Consulting Engineers:										
1	1988	P	Industrial Wastewater Pretreatment, Sauget, IL	X	X	X				Pretreatment Coordinator.
2	1989	P	Hydrologic / Hydraulic Evaluation, St. Louis, MO	X		#				USACE, HEC1, HEC2 .
3	1990	C	Watercourse Restoration, St. Louis, MO	X	X	#				Strip mine restoration.
4	1990	C	Sanitary / Storm Sewer Relief Project, St. Louis, MO	X	X	#				Combined sewers.
MWH, Consulting Engineers:										
5	1990	P	Water Reclamation Master Plan, Orange County, CA	X	X	#				County-wide, multiple cities.
6	1990	P	Water Reclamation Master Plan, Riverside, CA	X	X	#				Included wetlands development.
7	1991	P	Water Reclamation Master Plan, Oxnard, CA	X	X	#				Market development.
8	1991	P	Water Reclamation Master Plan, Lake Elsinore, CA	X	X	#				Market development.
9	1992	P	Facilities Master Plan - San Fernando Valley	X		#				Tillman WWTP.
10	1992	P	Facilities Master Plan - Glendale, CA	X		#				Temporary structures.
11	1992	P	Facilities Master Plan - Long Beach, CA	X		#				Terminal Island Facility.
South Tahoe Public Utility District:										
12	1992	P	Future Connections Compliance Rpt	X	X	X				Multi-agency collaboration.
13	1993	C	SUT Well Building / Genset	X	X	X	X	X		Genset, bldg expansion.
14	1993	P	Future Connections Facility Plan	#	X	X			X	MWH.
15	1993	P	Future Connections EIR/EIS	#	X	X			X	Parsons, Dale Sare.
16	1993	P	Infiltration / Inflow Assessment	X		X				Groundwater intrusion, stormwater inflow.
17	1994	C	Christmas Valley Waterline	X	X	X	X	X		Road replacement.
18	1994	C	Regina Waterline	X	X	X	X	X		Replacement project.
19	1994	C	Keller Tank Access Rd	X	X	X	X	X		Turf block access road, drainage, reveg.
20	1994	C	Elks Club Well Improvements	X	X	X	X			Expansion and improvements.
21	1994	C	Arrowhead Tank and Waterline	X	X					USFS property swap, w/ CT
22	1995	C	Hwy 50 Waterline, Repaving	X	X	X	X	X		Trenchless technology. CalTrans. Fire flows.
23	1996	C	Al Tahoe PS Replacement						#	Carollo
24	1996	C	Ski Run PS						#	Carollo
25	1998	C	Christmas Valley Tank	X	X	X	X	X	*	Access road.
26	1998	C	Gardner Mtn. 2 Tank	X	X	X	X	X	*	Access road. USFS.
27	1998	C	Arrowhead Well #3	X	X					Well and Control building, Treatment.
28	1999	C	Site restoration and erosion control	X	X	X	X	X		Multiple sites.
29	1999	C	Building Improvements / Roofing Replacement	X		X	X	X		Multiple structures.
30	1999	C	Flagpole 2 Tank	X	X	X	X	X	*	Access road. USFS.
31	1999	C	Lookout Tank	X	X	X	X	X	*	Access road. USFS.
32	1999	C	Gardner Mtn. Well Replacement	X	X					Valhalla Well. USFS.
33	2000	C	Lower Shops Parking and Pavement							Pavement assesment.
34	2000	C	Flagpole 1 Tank Roof / Rehab	X	X	X	X	X		Concrete coatings. Roof replacement.
35	2000	C	Forest Mtn Tank, WL, Access Rd	X	X	X	X		*	Pipe bursting. Survived fire.
36	2000	C	Forest Mtn Booster Station	X	X	X	X		*	Survived fire. Fire pump installation.
37	2000	C	Iroquois Tank	X	X	X	X		*	Replaced Railroad Tank.
38	2000	C	Test Well and Sentinel Wells	X	X					Multiple locations.
39	2001	C	Gardner Mtn. 1 Tank, Waterline	X	X	X	X	X	*	Access road. USFS.
40	2003	C	Ballfields (Measure S) WWTP Access Road	X	X				*	Site and road engineering, permitting.

(Continued next page)

Legend

Year: Approximate year of development

Type: Planning (P) or Construction (C)

Project Responsibility / Role:

Project Engineer (PE), Permitting (P), Project Manager (PM), Construction Manager (CM), Inspector (I), Consultant Management (CMS)

X -- Primary responsibility for project element

-- Shared responsibility or significant contribution to project element

* -- Managed consultant where consultant activity was ancillary to project development

Attachment 1 - Project History (continued)

(Chronological Order by Employer)

ID	Year	Type	Project Title	Project Responsibility / Role:						Notes	
				PE	P	PM	CM	I	CSM		
South Tahoe Public Utility District (continued):											
41	2003	C	Elks Club, Flagpole Well Control Bldgs.	X	X					#	Flagpole delete due to water quality. w/ NZ.
42	2003	C	Cornelian Booster Station	#	X					#	Site engineering, property. Carollo.
43	2003	C	Flagpole, Elks Club Well Drilling	X	X						MTBE mitigation.
44	2003	C	Solids Handling Facility	X	X					#	Site engineering, access road. Carollo
45	2003	C	Gardner Mtn. Sewer Pump	#	X					#	Site engineering, property. Carollo
46	2004	P	Administration Building Evaluation	X	X	X				X	Structural evaluation, Needs assessment.
47	2004	C	Customer Service, Lab, WW Ops Facility	X	X	#	#	#		X	Site engineering, Landscaping. Smith Design.
48	2004	C	Bakersfield Well HIPOX Treatment	X	X					*	Bldg expansion, site, permitting. w/ NZ.
49	2005	P	Arsenic Compliance Master Plan	X		X					Set course for 7 years running. \$5M savings.
50	2006	P	Water System Reliability Plan	X		X					Reliability and lowest life cycle cost.
51	2006	C	Al Tahoe Waterline, Repaving	X	X	X	X				Fire flow improvements.
52	2008	C	Tata / Granite Waterline, Repaving	X	X						Fire flow improvements.
53	2008	C	Julie Lane Waterline, Repaving	X	X						Fire flow improvements.
54	2009	C	Twin Peak Booster Station	#	#	X	X			#	Site engr, property. Carollo. Fire flows.
55	2009	C	Lake Tahoe Blvd Waterline, Repaving	#	#	X	X			#	Viking to Sawmill. Fire flow improvements.
56	2009	P	Harvey Channel Hydro/Hydraulic Study	X		X					USACE Report, Assessment.
57	2009	C	Harvey Channel Culvert Design	X	X	X					Low cost design-build.
58	2009	P	Collection System Master Plan	X		#				#	Brown&Caldwell w/ P. Sciuto
59	2009	C	Harvey Channel Flood Control	X	X	X				*	Built by District; USACE permitting
60	2009	C	ICR Oxygenation Facility	X						*	Building design. In-house construction.
61	2010	C	North Apache Booster	X	X	X	X	X		*	AECOM, Haen. Fire flow improvements.
62	2010	C	Meyers Hwy50 Waterline, Repaving	X	X	X	X				Caltrans. Fire flow improvements.
63	2010	C	Water Meters, Ph 1	X	X	X	X			*	Plans w/ C2ME. \$2.4M ARRA.
64	2010	C	Water Meters, Ph 2	X	X	X	X			*	Plans prepared in 10 days. \$2M ARRA.
65	2010	C	DVR Access Bridge and Box Culvert	X	X	X	X	X			In-house construction.
66	2011	C	Grizzly Booster	X	X	X	X			*	AECOM, Haen. Fire flow improvements.
67	2011	C	Grizzly Waterline, Repaving	X	X	X	X			*	AECOM, Haen. Fire flow improvements.
68	2011	C	Coatings Improvement	X	X	X	X			X	V&A, BACC
69	2011	C	Cathodic Protection - Pump Stations	#	X	X	X			X	JDH
70	2012	C	Tahoe Meadows Restoration	X	X	X	X	X			South ditch project.
71	2012	C	Coatings, Cathodic Protection	X	X	X	X			X	BACC, JDH
72	2012	C	Rocky 2 / Pioneer Waterline	X	X	X	X			X	Tri-State Survey.
73	2012	C	Sierra Tract 3-4 Area Waterline	X	X	X	X	#		X	Tri-State Survey.
74	2012	C	Upper Truckee River Sewer Repair	#	#	#	X			#	Northwest Hydraulics
75	2012	C	Fallen Leaf Lake Sewer System Improvements	X	X	X	X			X	In progress.
76	2012	C	WWTP Concrete Structures, Structural, Coatings	#		#				#	HDR. In Progress.
77	2013	C	Keller Booster Station Improvements	X	X	X	X			X	AECOM. In progress.
78	2013	C	David Ln Booster Station Improvements	X	X	X	X			X	AECOM. In progress.
79	2013	C	Angora Creek Sewer Relocation	X		X	X	#		X	Northwest Hydraulics
80	2013	C	Primary Clarifier Improvements	#	X	X	X			X	HDR. In Progress.
81	2013	P	Waterline Assessments	#		X		#		X	HDR. In Progress.
82	2013	P	Water System Master Plan	#		X				X	Kennedy Jenks, West Yost, In progress.
83	2013	P	Water Supply to the Y	X		X				X	West Yost
84	2013	P	Regional Alternative Energy Exploration Study	#		X				X	EN2, Domenichelli, Nline Energy, Solar City
85	2014	C	Water Meters	X	X	X	X	#			
86	2014	P	Groundwater Management Plan	#	#	#				#	Kennedy-Jenks.
87	2014	C	Future Water Meters	X	X	X					SRF Funding in progress. Approx. \$20M
88	2014	C	Aeration Basin Improvements	#	X	X	X			X	HDR. In progress.
89	2014	P	Composting Alternatives Exploration Study	#	#	X					Initiating project.
90	2014	P	Water Reuse and Groundwater Replenishment	#	#	X					Initiating project.

Legend

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