EXHIBIT: _____
LAND CONSERVATION & DEVELOPMENT COMMISSION
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SUBMITTED BY: DLCD Staff

Dr.-Ing. Holger T. Sommer
2000 Hugo Road
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(541) 476-5744

January 3, 2008

Oregon Department of Land Conservation and Development
Attn: Communications Officer
635 Capitol St. NE, Suite 150
Salem, OR 97301

FAX: 503-378-5518
E-MAIL: cliff.voliva@state.or.us

Dear Mr. Volina,

Attached please find my application material for the vacant at large position on the state's Citizen Involvement Advisory Committee (CIAC).

This material consists of my Curriculum Vitae condensed to three pages.
The required answers to the four information requests.
Two letters of recommendation from
Mayor Len Holzinger of Grants Pass
Josephine County Commissioner and Chair of the Board David Toler
and the contact information for three individuals, who gave me permission to used them as references
LCDC member Ron Henri
Retired Supreme Court Judge William Riggs
Retired Captain Stephen S. Thompson, Esq.

I am looking forward to serve on the State's Citizen Involvement Advisory Committee,

Regards and Happy New Year,

Holger T. Sommer
Dr.-Ing. HolgerT. Sommer

Attachments:
HTS Short Resume
Answers to Application Questions
2 letters of Recommendations
Contact information for three References

Dr.-Ing. HOLGER T. SOMMER, MS, DIC, VDI

2000 Hugo Road
Merlin, OR 97526
(503) 476 5744 (phone)
(503) 476 5692 (fax)
holgertso@aol.com

EDUCATION:

Dr.-Ing. (PhD) Mechanical Engineering, Technical University, Aachen, Germany, July 6, 1979.
Turbulent reacting flows, combustion and optical measurement techniques for flame diagnostics
Thesis: Measurement and Modeling of a Premixed Methane Air Flame
Diploma of Imperial College (MS) Imperial College of Science and Technology, June 1977, Laser Physics and Optics
Dipl.-Ing.,(ME) Technical University, Aachen, Germany, October 15, 1974.
Mechanical Engineering with focus on fluid mechanics, thermodynamics, heat transfer and instrumentation. Thesis: Dynamics of Electric Arc Discharge

PROFESSIONAL POSITIONS AND ACTIVITIES:

Since 9/2002	President Team Engineering, Inc. Engineering Consulting (part time)
10/97- 8/202	President of ART Instruments, Inc. The first triple Joint Venture in History for a global market approach.
9/1996 - 9/97	President Team Engineering, Inc. Engineering Consulting (Business plan for ART Inst.)
2/1996 - 8/96	Vice President Technology and Business Development Met One, Inc. (since 12/95 owned by Pacific Scientific)
9/1995-1/96	Independent Consultant : Contamination control and particle counting TEAM Engineering Merlin, OR
6/1991-8/95	Vice President, Technology and shareholder of Met One, Inc., a manufacturer of optical particle counting instruments Brought scientific understanding of particle counting to Met One, Inc. Responsible for growing the company in the last two years by 94%. Set the strategic directions of the company and focused it on a market segment not yet captured by the competition. Doubled the particle counting business of Met One through negotiations of partnership agreements with companies established in key markets. Negotiated Original Manufacturers Equipment (OEM) and private label contracts with competing companies (Hiac/Royco, Malvern, UK, RION, Japan)
3 /1990	Change of Assignments and title to Vice President of Research and Technology. Responsibilities were extended to long term product planning and assessment of technological needs of the market. Technical advisor to board of directors of Pacific Scientific Company, of which Hiac/Royco is a division.
11/1988	Promotion to Vice President of Engineering and Development
9/1986	Senior Engineering Manager Hiac/Royco Division of Pacific Scientific Company This position involves Research and Development of new products and carries the responsibility for a team of 23 engineers providing engineering support for the instrument product line.
9/1986 -8/1987	Professor of Mechanical Engineering, University Of Maryland Teaching Responsibilities: Conduction and Convection Heat Transfer (Advanced Graduate Course with Computer Application) Supervision of Senior Student Projects : Several Projects involved the application of Expert System software and Artificial Intelligence in engineering problem solving. New course: Engineering Expert Systems.
1981-8/1986	Professor of Mechanical Engineering, Carnegie-Mellon University, Teaching Responsibilities:

Introduction to Fluid Mechanics
Viscous Flow
Fluid Mechanics Laboratory
Boundary Layer Theory
Turbulence

1980 Part-time Instructor, Mathematics Department, University of Nevada, Las Vegas.

1980 Post Doctoral Research Fellow, German Research Foundation (DFG), at the Desert Research Institute, Energy Systems Center, Boulder City, Nevada 89005; Absorption air conditioning system: analysis and modeling.

---------- Move to the United States ----------

1974-1979 Part-time Instructor, Fachhochschule Aachen, Goethe Str. 1, Aachen, Germany.

1976-1977 On leave at Imperial College of Science and Technology, London, England; Professor J. Whitelaw. Involved in experiments, numerical simulations and design of gas turbine combustion chambers, project sponsored by Rolls Royce and German Academic Exchange Service.

1975-1979 Assistant (comparable to Assistant Professor) at Institute for Technical Thermodynamics, RWTH Aachen, Germany; Professor K.F. Knoche. Teaching undergraduate Thermodynamics, power plant lab. Research: Plasma technology, combustion, computer graphics. Developed a system of three-dimensional computer graphics for research and practical application, and was co-investigator on a number of projects for the German Research Foundation dealing with data acquisition for turbulent reacting flows. Several analyzing procedures for laser-doppler-velocimetry, temperature and concentration measurements were developed during work on these projects.

1974-1975 Design Engineer, Hubert Behr, Kaelte-Klima-Lueftung, Elsa Brandtstrom Str. 8, Aachen, Germany. Design of air-conditioning systems for hospitals; Supervisor of a group of five design engineers.

1972-1974 Teaching Assistant, Institute for Applied Mechanics, RWTH Aachen, Templergraben 55, Germany; Professor F. Schultz-Grunow. Preparation of undergraduate teaching material, assisting in lectures, tutoring students.

1970-1972 Research Assistant, Institute for Welding and Automation, RWTH Aachen, Templergraben 55, Germany; Professor Drews.

PROFESSIONAL ACTIVITIES BY TOPIC:

Art Instruments,Inc. was the first triple joint venture based on a new business concept which provides access to the global market also for small and medium size companies. Until now only multi-national corporation were able to take advantage of a global economy because it was too expensive for small companies to develop international market. ART Instruments is a new approach and overcomes this problem.

Business Development for Met One, Inc.
Dr. Sommer used his established reputation as a scientist (over 200 publications) and inventor (19 patents) in the field of optical particle counting and sizing to generate business relationships and partnerships with companies in specific industries in need of particle counting as quality control tool. From these activities Met One emerged as a leading particle counter manufacturer, producing particle counters also for competing companies in Europe and Japan.

Instruments for Counting and Sizing Small Particles

Dr. Sommer is inventor or co-inventor of 19 patents (list attached). Several of these patents are used in instruments by Pacific Scientific and Met One and are a large portion of their revenue source. Most patents where developed from concept to final product by Dr. Sommer with engineering staff.

Application of Particle Counting Technology to Clean Manufacturing and Process Control
Over the last 10 years Dr. Sommer brought optical single particle counting to many new application. From Drinking water treatment top cleaning sensitive optical and mechanical components, the use of particle counting as quantitative tool for measuring cleanliness has been accepted. During this time Dr. Sommer gathered a large amount of application knowledge using particle counting as quality control measure.

Expert Systems for Engineering
Development of Model-Based Reasoning of System Behavior with Causal ordering. The example domain for this research is the area of power generation. Improvement of economic performance and reduction of pollutants of technical combustion processes through application of artificial intelligence (Knowledge based Expert Systems) integrated with real-time control.
Sponsor: IBM, New York State Electric and Gas Corporation.

Computer-Aided Engineering Education
A computer program system was developed to instruct undergraduate students in engineering subjects. Computer color graphics and new programming techniques are applied to improve engineering instruction. The application to fluid mechanics in Spring 1982 was very successful and encouraged the continuation of the project.
Sponsor: Digital Equipment Corporation, Apple Computer, IBM, Hewlet Packard

Coal Power Plant Modeling, Control and Optimization
This project was initiated to optimize coal fired steam generators. Advanced computer modeling and intelligent control algorithms are developed to improve coal power plant operations with respect to economy and emissions.
Sponsor: New York State Electric and Gas Corporation.

Coal-Water Mixture Atomization Studies
Design and construction of atomization chamber for slurry fuels. High-speed photography and optical diagnostics applied to characterize three phase atomization. Sponsor: Department of Energy.

Ignition Energy Limits of Gaseous and Combustible Mixtures and Sprays
Ignition of Touluen-air mixtures by burning metal particles ignited by a high energy laser pulse. Similar characteristics as in spark ignition experiments.
Sponsor: U.S. Air Force.

Investigation of the Influence of Turbulence on the Chemistry of Combustion in Premixed Gaseous Flames
Measurement of velocity and temperature field, numerical modeling of flames.
Sponsor: German Science Foundation.

Laser-Based Diagnostic and Sensor Development
Two research projects (DOE-Atomization and AFOSR-Turbulent Flame Structures) require the development of advanced optical diagnostics.
Laser Doppler Velocity measurements in counter and co-swirling flow.
Sponsor: U.S. Air Force, NASA.

Please explain why you are interested in this position.

I value Oregon's Land Use rules and laws, which sets great examples for all other States in the Nation and internationally.
Oregon, through its Land Use Goal setting, has found a balance between preserving and cultivating its resources, natural beauty and the never ending pursuit of humanity to excel and improve its own environment and search for a better life for future generations.
I strongly believe that Goal One, which puts the Public in the forefront of land use in Oregon, is the key issue for the current and the future success of Land Use in Oregon.
The recent problems with Measure 37, and the misinformation and manipulation distributed during the Measure 49 campaign, clearly showed by the election results for Measure 49 that Citizen Involvement must be brought to the local land use decision making level to avoid the destruction of Oregon from the local level up to the top level.
Many Cities and Counties in Oregon have taken the position of openly discouraging the participation of interested members of the public in local land use.
I see an opportunity through my personal involvement in the State's Citizen Involvement Advisory Committee (CIAC) to educate local governments and the local public in general of the importance of their involvement in land use decisions.
Specifically, I am most interested in relating local land use decisions to the "Bigger Picture" of the State by raising the awareness of Goal One.

Please explain any involvement you have had with community planning or community involvement committees

The beginning of my involvement with land use in Josephine County was marked by my election as Chair to the Citizen Advisory Committee for the Merlin/North Valley region of Josephine County. It was during that Chairmanship that I realized that the local government only plays lip-service to Oregon's Land Use Goal One.
Over the last five year I intentionally avoided to become part of any local government committee or commission because I found myself more effective to utilize Oregon's land use laws by holding local governments accountable their local rules and the rules of the State.
I have developed mutual respect with my local authorities, mainly watching that all local, State and Federal rules are strictly applied.
As director of the Goal One Coalition (642 Charnelton Suite 100, Eugene OR 97401 Phone 541-484-4448) for Southern Oregon, I was involved in the Statewide co-ordination of the promotion of Public Participation in Oregon's Land Use.
I separated from that Group recently when it changed its focus away from land use issues to environmental and energy related issues.
For the last five year I have not missed a Planning Commission meeting of Josephine County and regularly help fellow citizens with land use issues locally or at the State level.
I am also a regular attendee of the Urban Planning Commission meetings of Grants Pass and Cave Junction.

Please explain any experience you have had in writing, editing or producing educational materials

In my previous position I was a Professor of Mechanical Engineering at Carnegie Mellon University and the University of Maryland published extensively and developed educational material for various levels of engineering education.
I have written over 200 peer reviewed scientific papers in addition to numerous successful industry and government grant applications and report.
For many years, I was regularly reviewing publications for scientific Journals in my areas of expertise (Fluid Mechanics, Combustion and Laser Optics)
I was on the reviewers list of military agencies (Army, Navy, Air Force) and the Department of Energy for grant applications.

Please explain any involvement you have had with state, regional or local advisory boards

My interactions regarding land use with Federal Agencies was with BLM, USFS, Army Corps of Engineers, EPA related to specific local issues where the issues required the involvement of these agencies.

I am a non-legal-professional member of the Oregon State Bar Fee Mediation Board.

I have had many contacts with various State Agencies regarding local land use actions when their involvement was required. (DLCD, DOGAMI, DSL, ODF, ODFW, ODOT, DEQ etc.)

At the local level, as explained earlier, I have avoided becoming a member of any committee or commission, which is directly related to land use.
I am a member of Josephine County's Renewable Energy Task Force.

City of
Grants Pass
"Where The Rogue River Runs"

Mayor Len Holzinger
City of Grants Pass, Oregon
101 N. W. A Street
Grants Pass, OR 97526

January 2, 2008

To Whom it May Concern;

As Mayor of Grants Pass, Oregon, I have had the pleasure of knowing Dr. Holger T. Sommer for the past few years.

Dr. Sommer is a man dedicated to the rights and legal options of the people. His abilities and knowledge are great resources for our community and it's residents.

I strongly recommend Dr. Sommer for appointment to the Citizen Involvement Advisory Committee (CIAC). I am confident that he will be a great asset to the committee.

Sincerely yours,

Len Holzinger
Mayor, Grants Pass, OR

Josephine County Board of Commissioners
Dave Toler

January 3, 2008

To Whom It May Concern,

I would like to lend my support to Holger Sommers' application for a position on the state's Citizen Involvement Advisory Committee. As County Commissioner, I have had numerous interactions with Mr. Sommer regarding land use decisions here in Josephine County.

As you know, the land use system in Oregon depends on active citizen involvement to ensure that good land use decisions are made. While citizen involvement can prove inconvenient to land use applicants at times, I believe the system of checks and balances only works when there are active citizens who are involved in the decision-making process.

While Mr. Sommer has proven himself adept in the land use process, he has also taken on the role of a citizen technical assistant for development projects such as the North Valley sewer district project. I have seen Mr. Sommers' participation in this arena play a very helpful role to citizens who may be less experienced in organizational structure and processes.

Over the last few years, Mr. Sommer has exhibited incredible dedication to attending land use meetings involving Josephine County Planning Commission, the Board of County Commissioners, Grants Pass City Council, and the Urban Area Planning Commission meetings.

It is with the firm belief that knowledgeable and active citizens are the key to an effective land use system that I support the appointment of Mr. Sommer to this position.

Sincerely,

Dave Toler, Commissioner

500 N.W. Sixth Street, Grants Pass, Oregon 97526 Phone: (541) 474-5221 Fax: (541) 474-5105

References:

Ron Henri
c/o Bear Creek Orchards
P.O. Box 9000 Medford, OR 97501
541-864-2181
Land Conservation and Development Commission Member

Justice Richard William Riggs
Senior Judge, State of Oregon (retired)
7920 S.W. Fairway Drive
Wilsonville, OR 97070-6434
(503) 694-1470
(503) 789-0344
FAX: (503) 694-2490

Stephen S. Thompson, Esq.
Captain, U.S. Army (retired)
1001 Vista Drive
Grants Pass, 97527
(541) 474-6964