

Q. *State your name and business address.*

A. My name is Raymond Lasmanis
My business address is P.O. Box 47007, Olympia, WA 98504-7007

Q. *Where are you employed and what is your job title?*

A. I am employed by the Department of Natural Resources
I am the Division Manager, Geology & Earth Resources Division
I am also the State Oil & Gas Supervisor

Q. *What is your educational background?*

A. I have a BSc degree in Geology and a
Mining Engineering minor from the University of Missouri @ Rolla
I am a Registered Professional Engineer, Prov. of British Columbia

Q. *What is your professional experience?*

A. I have over 21 years of professional experience in the private sector where I was responsible for exploration and development of a wide variety of mineral deposits in the U.S., Canada, Mexico, Australia, Spain, and Portugal. My last private sector position was as a corporate officer and Exploration Manager, Minerals, world-wide for Canadian Superior and its subsidiaries. Since 1982, I have been the Division Manager and State Geologist, Department of Natural Resources. In that capacity I have served as a member to: the Washington Mining and Mineral Resources Research Institute Advisory Board, University of Washington; Mineral Taxation Advisory Committee, Department of Revenue; and, Growth Management Mineral Resources Working Group, Department of Community Development.

Q. *What is your concern with the Olympic Pipeline Project?*

A. As State Geologist, my issues concern the well being of the entire state. Specifically, my testimony concerns mineral resource lands as identified and classified under the Growth Management Act, WAC 365-190-070.

Q. *Can you explain the significance of mineral resource lands?*

A. Sand and gravel deposits are essential for the production of aggregate, a construction material needed for homes, critical facilities, and transportation infrastructure. In order for this non-renewable resource to be available for future generations, existing mineral resources need to be protected from development and as called for under the Growth Management Act. Mineral deposits of long term commercial significance classified by cities or counties along the Cross-Cascade Pipeline right-of-way need to be identified and

avoidance measures taken so that these mineral deposits are not precluded from future development. Likewise, the mining of diatomite is an important industrial activity in Grant County. The Cross-Cascade Pipeline proponent needs to evaluate whether there are any diatomite deposits crossed by the proposed pipeline in Grant, Adams, or Franklin counties.

I certify and declare under penalty of perjury under the laws of the State of Washington that the foregoing is true and correct to the best of my knowledge and belief.

SIGNED AT Olympia, Washington on this 2nd day of February, 1999.

Raymond Lasmanis