

Jan C. Rasmussen, R.G., Ph.D.

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PROFESSIONAL CERTIFICATION:

- Registered Geologist, Arizona #15664, since 1983
- Professional Member, Society for Mining, Metallurgy, & Exploration (SME), Qualified Person

EDUCATION:

- Ph.D. (major = Economic Geology; minor = Engineering Geology), 1993, University of Arizona, Tucson

ORE DEPOSIT EXPERTISE:

- **Sound technical reputation in the mining and energy industries:** Wrote over 14 books or open file reports on economic geology, regional geology, with numerous peer-reviewed articles and abstracts (most posted on www.janrasmussen.com/research)
- **Expert in metals, industrial minerals, and energy resources,** regional geology, geochemistry for numerous commodities - **metals** (copper, gold, molybdenum, lead-zinc-silver, tin, tungsten, platinum group elements, rare earth elements), **energy resources** (oil and gas, uranium, coal, geothermal), and **industrial minerals** (clay, gypsum, salt, cement, dolomite, limestone, silica sand, talc, graphite)

QUALIFIED PERSON EXPERIENCE:

- Wrote as part of a team, permitting documents detailing the geology, hydrology, facilities, tailings and other sections of Aquifer Protection Permits, Mined Land Reclamation Plans, Mine Plan of Operations, Environmental Site Assessments, Health and Safety Plans, and Environmental Impact Studies (on San Manuel closure and Pinto Valley and other mines with SRK Consulting)
- Wrote Canadian NI 43-101 reports on mines in Arizona, New Mexico, Alaska, South Dakota, and Canada (as Jan Rasmussen Consulting and as part of SRK Consulting team)
- Researched and wrote geology sections of permit application of Dept. of Energy for Nuclear Regulatory Commission on the Yucca Mountain radioactive waste management permit (for Woodward Clyde Federal Services in Las Vegas)

PROJECT MANAGEMENT EXPERIENCE:

- Associate Senior Geologist, SRK Consulting, 2010 – present
- Curator, Arizona Mining and Mineral Museum, Phoenix, AZ, 2007-2010
- Senior Geologist, SRK Consulting, Tucson, AZ, 2003-2007
- Consulting Geologist, Jan Rasmussen Consulting, Austin, TX, 1997-2000; Sonoita, AZ 2001-2003; Adjunct Professor- various community colleges throughout career
- Project Geologist, Woodward-Clyde Federal Services, Las Vegas, NV, 1994-97
- Consulting Geologist, J.C. Wilt & Co., Tucson, AZ, 1980-1994

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS:

- SME Certified Professional Member; Arizona Geological Society; Nevada Geological Society, Mining Foundation of the Southwest