

APPENDIX 3.4A

Geof Spaulding Resume

Geof Spaulding

Paleontologist

Education

Ph.D., Geology (Paleobiology)

M. S., Geology (Palynology & Vertebrate Paleobiology)

B. A., Anthropology

Registrations

- Approved Paleontologic Resources Specialist by the California Energy Commission, State of California
- Qualifications as Paleontological Resources Expert Witness accepted by the Attorney General of the State of Washington

Relevant Experience

Dr. Spaulding is a senior scientist and paleontologist with CH2M HILL with extensive experience in paleobiology, paleontology, and paleoecology. He also is accomplished in the study of site formation processes, and the age determinations of archaeological and paleontologic sites in the western United States. He has more than three decades of technical experience in the Earth and Life sciences focusing on the deserts of western North America and on California. Representative projects that he has managed in the last 15 years are listed below. Prior to joining private industry, he was on the faculty of the University of Washington, Seattle.

Representative Projects

Paleontologic Resources Specialist, Confidential Southern California Project (2005).

Develop a Paleontologic Resources Assessment and prepare appropriate documentation on paleontologic resources for the projects' Application for Certification before the California Energy Commission. Determine the relative levels of paleontologic sensitivity of Mesozoic through Quaternary rock units in the context of the geological history of the Perris Plain and Riverside area, develop the scope for and direct the field survey, and prepare the resource specific documentation.

Paleontologic Resources Specialist, Turlock Irrigation District's Walnut Energy Facility (2003 to 2005).

Develop and manage paleontologic resources monitoring and mitigation program for the construction of the Walnut Energy Center south of Modesto, California. Prepare Paleontologic Resources Management and Discovery Plans, the Paleontologic Resources Module of the worker education program, and visual aids for worker education. Direct the recovery of discovered paleontologic resources (Quaternary vertebrate remains), and consult with the California Energy Commission on the adequacy of mitigation efforts. Develop site-specific stratigraphic framework to identify paleontologically sensitive sediments, and to provide client and the CEC with guidance regarding what construction activities need and need not be monitored.

Paleontologic Resources Specialist, San Francisco Public Utility Commission's San Francisco Electric Reliability Center (2004 to 2005). Develop a Paleontologic Resources Assessment and prepare appropriate documentation on paleontologic resources for the projects' Application for Certification before the California Energy Commission. Review the complex literature and determine the relative levels of paleontologic sensitivity for marine and terrestrial sedimentary units rock units in the San Francisco Bay area. Prepare the resource specific documentation including impacts assessment and mitigation measures.

Client Task Oversight & Expert Witness Testimony On Paleontologic Resources Sensitivity (1997 to 1998). Review and develop discovery and mitigation plans, and provide testimony to the Attorney General of the State of Washington. On the paleontologic data potential and impacts to Middle Tertiary age fossil resources in the Columbia Basin, and on potential project-related impacts pursuant to Washington's Energy Facility Siting & Environmental Certification process, on behalf of Olympic Pipeline Corporation.

Paleontologic Resources Management Services, southern California (1995 to 1999). Perform paleontologic resources assessments, develop management and monitoring plans, review and amend subconsultant scopes of work, and provide audit services to clients for paleontologic resources management work. Multiple contracts for the City of San Diego, the Regional Transportation Commission, Riverside County Transportation Commission, and the Counties of San Diego and Orange. Formations addressed included Quaternary terrestrial and lacustrine units, and Tertiary marine and estuarine sediments.

Paleontologic Resources Assessment & Mitigation Plan Development, McKittrick Tar Pits, central California (1993). Review the extensive literature; develop a resources assessment and preliminary management plan for paleontologic resources in the vicinity of the renowned McKittrick Tar Pits in the Central Valley for a confidential client interested in the development of the oil-rich diatomites and sands of the area.

Duke Energy of North America, Paleontologic Support Services for The Potrero and Contra Costa Applications For Certification (1996 to 1998). Conduct literature reviews, record searches, and site surveys; and prepare appropriate sections of Applications for Certification according to the format and data requirements of the California Energy Commission. Respond to CEC staff questions and requests for additional data. Provide cost-control strategies to client. In support of the relicensing efforts for two power plants in the Bay Area of California.

Owens Lake Air Quality Mitigation Program, Paleontologic Resources Review and Strategy Development (2003). Review resource assessments and draft mitigation plans on the clients behalf to assure that mitigation measures called for are consistent with the resources that may be found in the project area. Audit of consultant work to assure economy of scale in mitigation requirements.