

**BARRY D. NEAL**  
**CERTIFIED CONSULTING METEOROLOGIST**

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**WORK EXPERIENCE**

CURRENT, since 1988: CONSULTING METEOROLOGIST, B.D. Neal & Associates, Hawaii. Provide consulting services in air quality and applied meteorology to government, industry, engineering firms and architect/planning organizations. Prepare air quality studies for environmental impact statements and for air pollution permit applications. Conduct air quality modeling and monitoring studies. Specialize in assessing air quality impacts from mobile sources. Provide expertise in remote sensing (sodar) systems for obtaining vertical profiles of wind speed and direction. Perform system and performance audits of air quality and meteorological monitoring systems. Provide expert testimony pertaining to air quality and meteorology.

1983 - 1987: SENIOR METEOROLOGIST/AIR QUALITY SPECIALIST, Amartech, Ltd, Saudi Arabia. Provided air quality and meteorological consulting services to clients in industry and government. Major assignments included managing an environmental study for a new oil-fired power plant and operating a network of nine meteorological/air quality monitoring stations surrounding a new industrial center. Other duties included supplying expertise in the use of meteorological data for engineering design, providing advice on air pollution emissions and emissions control, and performing atmospheric dispersion assessments.

1977 - 1983: METEOROLOGIST, Bechtel Group, Inc., San Francisco, California. Provided expertise in many areas of industrial and applied meteorology for projects located around the U.S. and the world. Areas of expertise provided included: air quality modeling, air quality and meteorological monitoring, air pollution emissions and emissions control equipment, engineering design, and environmental regulations and permit applications. Specific projects included: Jubail Industrial City Project, Saudi Arabia; EPRI Fugitive Emissions Study; White River Shale Oil Project, Utah; ETSI Coal Slurry Pipeline Project, Wyoming; and Nuclear Waste Isolation Pilot Project, Utah.

**EDUCATION**

1977: Graduate Studies, Department of Meteorology, San Jose State University, San Jose, California.

1976: B.S. Meteorology, San Jose State University, San Jose, California.

**PROFESSIONAL DATA**

Certified Consulting Meteorologist (CCM) designation, American Meteorological Society. Member of the Air and Waste Management Association.