

123 S. Chester Avenue, Apt. 5
Pasadena, CA 91106
February 28, 1997

15-00000

Ms. Jackie Dix
Clerk of the Board
South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, CA 91765

Re: Hearing Board Vacancies

Dear Ms. Dix:

I am writing to express my interest in being considered for the attorney vacancy on the SCAQMD Hearing Board.

As explained in the enclosed resume, I have the education and experience that would enable me to serve as the attorney member of the Hearing Board. For the past five years, I have been practicing as an environmental attorney at Sidley & Austin. My practice includes both environmental litigation and advising businesses about compliance with federal, state, and local environmental laws. My duties notifying clients about changes in SCAQMD rules that would affect their operations. The companies I have worked with have included manufacturers of medical devices, lead acid batteries, optical supplies, and metal parts. I have reviewed implementation of a battery company's SCAQMD Rule 1420 plan and have reviewed Health Risk Assessments and Inventory Reports prepared under the AB 2588 program.

My work has involved working with engineers to apply complex regulations to particular manufacturing situations. I have worked with clients as they have sought to determine cost-effective methods of achieving environmental compliance, such as seeking ways to prevent pollution prevention on the front-end of manufacturing operations. I have also represented businesses in environmental litigation matters, including a Proposition 65 case involving air emissions from a battery manufacturing facility.

Prior to my current position, I served as a law clerk to the Honorable Alfred Goodwin of the U.S. Court of Appeals. In that position, I recommended outcomes and drafted decisions in thirty-five Court of Appeals cases, including eight appeals of administrative agency decisions. My work involved reviewing the record, interpreting statutes and regulations, and applying the law to decide particular cases. All cases were decided by panels of three judges, and my duties included evaluating input from each judge and participating in the panel's effort to ensure that all issues were adequately and fairly addressed.

My experience as a law clerk and an environmental attorney enables me to apply complex regulations to particular manufacturing situations. I am comfortable reviewing engineering documents and asking technical questions that are relevant to determining environmental compliance.

ATTACHMENT 1

I believe that my education, environmental and litigation experience, and clerkship background have provided me with the skills to understand, analyze, and render fair decisions in the issues presented to the SCAQMD Hearing Board. In addition to my resume, I am enclosing a law school transcript. Boalt Hall does not calculate class rank or grade point averages. However, a grade key is provided on the reverse side of the transcript.

Thank you for your consideration.

Sincerely,


Laurie E. Tuleja

Enclosures

LAURINE E. TULEJA
123 S. Chester Avenue, Apt. 5
Pasadena, CA 91106
(213) 896-6603 (office)
(818) 405-8143 (home)

EDUCATION

Boalt Hall School of Law, University of California, Berkeley, CA J.D., 1990
Law Review, Executive Editor (1989-90); member (1988-89)
High Technology Law Journal, member (1987-88)

Harvard University, Cambridge, MA A.B., 1979
Degree awarded *magna cum laude*; GPA 3.4; concentration in history and science

California Mandatory Continuing Legal Education: Over 130 hours of California MCLE credits, including 100 hours of environmental training.

EMPLOYMENT

Sidley & Austin, Los Angeles, CA 1991 to present
Associate Attorney
Practice includes environmental and general business litigation, as well as advising companies regarding compliance with environmental regulations.

The Honorable Alfred T. Goodwin September 1990-September 1991
United States Court of Appeals, Ninth Circuit, Pasadena, California
Law Clerk
Drafted opinions and unpublished dispositions, including seven decisions involving appeals from administrative agencies; researched and wrote bench memoranda.

Free Lance Writer 1985-1987
Washington, D.C.
Contributed free-lance articles on Congress, local businesses, and community organizations to a Washington, D.C. community newspaper.

Legislative Assistant, Offices of Congressmen Jerry Patterson and Frederick Richmond 1980-1984
Washington, D.C.
Researched legislation, developed policy positions, and advised Congressmen on issues such as rail transportation, the federal budget, defense, science, and technology. Evaluated the costs and benefits of proposed legislation. Wrote *Congressional Record* statements, speeches, newsletter articles, memoranda, and responses to correspondence. Served as liaison with local businesses, trade associations, public interest organizations, and government agencies.

PROFESSIONAL AND COMMUNITY ACTIVITIES

Legislation Committee, Environmental Law Section, California State Bar, Member, 1993 - present

Prepare comments for the California Legislature regarding pending environmental legislation; prepared and submitted to the legislature a comment on a proposal to require additional risk assessment and cost-benefit analysis prior to promulgating regulations. Worked with committee members to develop comments on proposed air quality legislation, including proposals to restrict air district powers to impose fees, proposals to amend CEQA rules governing plant modifications required for environmental compliance, and proposals to prohibit the imposition of product production limitations if businesses use "the latest proven technological equipment available to maintain air quality."

"Legislative Updates in Environmental Law"

Speech at California State Bar Annual Meeting, San Francisco, CA
Chaired panel and spoke on 1995 California environmental legislation.

Sept. 1995

Los Angeles County Victim Offender Reconciliation Program

Prepared incorporation papers and application for state non-profit organization status.

1991

Constitutional Rights Foundation

Periodically conduct presentations for high school students on legal issues.

1995-1996

Pasadena Mennonite Church, Member of Leadership Team.

Jan. 1996 - present

Volunteer English Tutor; program sponsored by Catholic Charities.

1994

BAR ADMISSIONS AND ASSOCIATIONS

Admitted to practice before the California state courts, the U.S. Court of Appeals for the Ninth and Tenth Circuits, and the U.S. District Court for the Central District of California.

Los Angeles County Bar Association: Member, Environmental Law Section.

SELECTED ACCOMPLISHMENTS

ENVIRONMENTAL LITIGATION

Five years of active litigation, primarily in environmental matters. Practice includes litigation in both state and federal courts, as well as before administrative agencies. Draft and argue motions, conduct and defend depositions, conduct written discovery, participate in settlement negotiations and draft settlement agreements.

Examples of specific matters:

- Defended a Proposition 65 action involving lead emissions from a battery plant. Worked extensively with engineers to review facility emission controls, analyze computer air dispersion models, and negotiate air monitoring protocols. Conducted and responded to written discovery, deposed plaintiff's engineering expert. Prepared motion for summary judgment addressing community exposure to air emissions. Participated in settlement negotiations; drafted settlement agreement.
- Responded to inquiry from a district attorney regarding methylene chloride emissions from a manufacturing plant. Demonstrated the company's compliance with Proposition 65's warning requirements and persuaded the agency that it had no basis for filing an enforcement action.
- Deposed plaintiff property owners in a toxic tort suit brought against neighboring landfill used for disposal of steel foundry waste. Issues included alleged inhalation landfill dust.
- Defended a public agency against suit to enforce a Clean Water Act stormwater discharge permit. Issues included whether the agency's practices met the "best management practices" test. Interviewed witnesses and participated in developing defense and settlement strategies; took and defended factual and expert witness depositions; prepared written discovery responses; worked extensively with client's engineering expert; participated in successful settlement negotiations.
- Prepared two successful summary judgment motions allowing plaintiff to recover contamination cleanup costs from approximately 20 parties at a federal Superfund site.
- Conducted written discovery, took and defended depositions, successfully opposed various pre-trial motions, and drafted a successful summary judgment motion in buyer/seller litigation addressing the reasonable time to complete cleanup of a former underground storage tank site.
- Worked with engineers to develop cleanup plan for site involving former oil storage tanks; drafted pre-trial motions; participated in settlement negotiations and drafted settlement agreement allocating cleanup costs among private parties; persuaded client's insurance carrier to provide defense and indemnity costs.

ENVIRONMENTAL COMPLIANCE

- Evaluated battery manufacturing company's implementation of its SCAQMD Rule 1420 plan.
- Evaluated AB 2588 inventory reports and Health Risk Assessments.
- Monitor new and proposed SCAQMD rules; prepare briefings for industrial clients on upcoming changes in SCAQMD rules affecting their businesses; briefings have included the following:
 - Changes in trip reduction rules
 - Amendments to Solvent Cleaner Rule 1171
 - Proposed amendments to Plastic, Rubber & Glass Coatings Rule 1145
- Monitor changes in California environmental legislation and regulations; prepare regular briefings for clients on new statutes and regulations affecting their businesses. Briefings have included the following:
 - 1995 and 1996 legislation amending trip reduction rules
 - Amendments to Air Resources Board regulations governing permit fees for stationary sources
 - Revisions to the Air Toxics "Hot Spots" Emission Inventory Criteria and Guidelines
 - Revisions to the Air Toxics "Hot Spots" Fee Regulations
 - 1995 legislation (SB 456) revising the procedures that the SCAQMD must use in imposing new BACT requirements
 - 1995 legislation ((AB 1777) addressing the methodology for calculating the value of emission reduction credits
- Work with expert toxicologists and air dispersion modeling experts to determine whether air emissions from manufacturing plants require Proposition 65 community warnings.
- Periodically update a client's hazardous waste manual to reflect changes in environmental regulations.
- Visit client facilities, including manufacturers of lead acid batteries, metal parts, and medical devices, to assist in reviewing compliance with environmental regulations.
- Commented on the State Water Resources Control Board's proposed Containment Zone policy; met with client's engineering experts to evaluate the Policy's effect on ongoing cleanups.
- Advise clients regarding compliance with the Emergency Planning and Community Right to Know Act, including determining whether facilities met the thresholds for reporting and advising regarding obligations to file overdue reports.
- Advise clients regarding release reporting under federal, California, and local laws.

007

ADMINISTRATIVE LAW

- Responded to U.S. EPA section 104e request for information under the federal Superfund law regarding a pharmacy's sale of lead to a facility that manufactured lead diving weights. EPA abandoned its claim against the pharmacy.
- Negotiated Administrative Order on Consent with respect to groundwater monitoring at a federal superfund site in Florida.
- Helped negotiate the settlement of an administrative complaint under the federal Emergency Planning and Community Right to Know Act
- Helped negotiate settlement of a California-OSHA administrative citation.
- As a law clerk for the Honorable Alfred Goodwin, drafted published opinions and unpublished dispositions in eight cases involving appeals from decisions of administrative agencies:
 - Drafted published opinions in three cases involving appeals from decisions of the National Labor Relations Board. Decisions involved interpreting the National Labor Relations Act and regulations and applying the regulations to union-management disputes involving casino operators, electrical contractors, and a die casting and machining company.
 - Drafted unpublished decisions in four administrative appeal cases. These cases involved appeals from decisions of the Securities and Exchange Commission, U.S. Parole Commission, Forest Service, and the National Labor Relations Board. In each case, the decision required interpreting the agency's regulations and reviewing the record to determine whether the agency had followed proper procedures.

GENERAL LITIGATION EXPERIENCE

- Draft complaints, answers, cross-complaints. Interview witnesses and conduct factual investigations; take and defend depositions, including depositions of expert witnesses. Prepare and oppose motions for summary judgment, demurrers, and other motions on the merits. Prepare and oppose discovery motions. Negotiate settlements.
- As a law clerk for the Honorable Alfred Goodwin, drafted published opinions and unpublished dispositions in thirty-five Court of Appeals cases. Decisions included the following:
 - Interpreting Social Security regulations governing eligibility for benefits
 - Determining whether the district court had correctly applied the Federal Rule of Civil Procedure 11, governing the imposition of sanctions against attorneys
 - Determining whether the district court had properly interpreted an insurance contract
 - Interpreting an international treaty governing the transfer of prisoners

008

100 E. Esplanade Drive, Ninth Floor
Oxnard, CA 93020

JANET DILLON, Ph.D., Esq.
Environmental and Land Use Lawyer

Phone (805) 981-1966
Fax (805) 985-1186

February 25, 1997

SOUTH COAST
AOMD
HEARING BOARD

JANET J. DILLON, Ph.D., Esq.
22275 HUNTINGTON DRIVE, SUITE 225
SAN MARINO, CA 91108
Office: (818) 286-7661
Fax: (818) 282-2297
e-mail: jdillon@ix.netcom.com
<http://www.west.net/~jdillon/JANMAIN.HTML>

Jackie Dix, Clerk of the Board
SCAQMD Hearing Board
21865 East Copley Drive
Diamond Bar, CA 91765

Dear Ms. Dix,

I am pleased to submit my application for the Attorney Member opening on the SCAQMD Hearing Board. As a senior environmental attorney with litigation experience, I have represented facilities and governments in the Southern California, state, and federal regulatory arenas. As a former professor of cross-cultural dispute resolution, I am also known for creative solutions to litigable matters.

At the State Bar's 1995 Environmental Law Institute I chaired the only session on air quality issues: Title V and Other Flexibility Issues, on how SCAQMD rules and variances were affected by federal regulation. I have an appreciation of the unique position of the South Coast and its political milieu, industry trade associations, and public interest groups. Serving as Project Manager for Ventura County's response to the federal Air Implementation Plan and counsel to Vandenberg Air Force Base on its Title V substitute initiative also familiarized me with USEPA officials involved in complexities of the California SIP.

For me it would be very satisfying to help decide individual cases. Proposed Rule 2501, new requirements in Rule 1186, amendments to Rule 403, and other means of attaining federal ambient air quality standards present future challenges to everyone's willingness to change! I believe I could be even-handed as well as establish good working relations with other Board members. I have no known conflicts of interest.

I look forward to hearing from you and providing any additional information you might desire. I will see at least one of your Hearing Board members at ARB's Advanced Variance Hearing Board Workshop in Fish Camp in March.

Respectfully yours,

Janet Dillon
Janet Dillon

009

LEGAL EXPERIENCE
AND EDUCATION
1992-

1991-1992

1989-1991,

1983-1991

1982-1983

1978-1981

OTHER EXPERIENCE
1974-1980

PHDIN EDUCATION
1971-1974

1969-1971

1968-1969

PROFESSIONAL MEMBERSHIPS
AND YEARS ADMITTED

JANET DILLON, Ph.D., Esq., & Associates, Environmental & Land Use Lawyers,
San Marino and Oxnard, California.
Sole Proprietor. Regulatory compliance, regulatory negotiation, air, water, soil contamination, risk management, litigation, environmental insurance coverage. Taught hazardous materials management UCSD.

ERNEST BROWN & COMPANY, Construction & Environmental Lawyers, Oxnard California.
Partner. Subsurface contamination, regulatory compliance and litigation, environmental insurance coverage, public works defect litigation, counsel for municipalities.

LAWREN, BONHAM & WALSH, Oxnard California.
Associate. Subsurface & wastewater pollution, health risk, insurance coverage, inverse condemnation, municipal litigation.

JANET JOHNSON DILLON, Ph.D., J.D., Tacoma, Washington.
Sole Proprietor. Advised local Councils & business associations; coordinated negotiations on marine terminal permitting; litigation.

VLASSER & OTT, Phoenix, Arizona.
Associate. Federal district and appellate court briefs; advised local commission, assisted in negotiation of federal land dispute.

BOATY HALL SCHOOL OF LAW, UNIVERSITY OF CALIFORNIA, Berkeley, California
J.D. 1981

ID.A. & CLS Internships: prosecution and liaison with other departments, SHPO, Governor's office & Sierra Club; appearance - Coastal Commission

COLORADO STATE UNIVERSITY, Fort Collins, Colorado.
Asst. Prof. Cross-cultural dispute resolution, social science research design, criminal justice advisory board. On leave 1978 - 1980

UNIVERSITY OF CONNECTICUT, Storrs, Connecticut
Ph.D. 1974

• NSF and NIMH Grantees, Phi Kappa Phi

YALE UNIVERSITY, New Haven, Connecticut
Special Student status in the graduate school

COLUMBIA UNIVERSITY, New York, New York
B.A. 1969

• Magna cum Laude with Honors; Phi Beta Kappa

- Education Committee, Environmental Law Section, State Bar of California
- Current co-chair, Environmental Law Section, Ventura County Bar Association of California
- Past Chair, air committee, Channel Island Chapter, Hazardous Waste Association of California
- Past chair, Environmental Affairs Division, Past chair, Legislative Committee, Ventura County Economic Development Association
- California State Registered Environmental Assessor - 1995
- U.S. Supreme Court - 1986
- U.S. Claims Court - 1985
- Ninth Circuit Court of Appeals - 1982
- California State Bar - 1981
- Washington State Bar - 1983

010

JANET DILLON, Ph.D., J.D.
Attorney at Law

BAR ADMISSION U.S. Supreme Court - 1986, Claims Court - 1985
Washington State Bar - 1983
Ninth Circuit Court of Appeals - 1982
California State Bar - 1981

SPECIALTY

Dr. Dillon is a respected attorney who understands the regulatory, social and political context within which environmental issues arise. Such experience and clarity make her uniquely qualified to design and manage processes that yield solutions.

LEGAL EXPERIENCE

Dr. Dillon's 19 years' diverse environmental experience includes cultural aspects of land use, environmental disputes, and complex litigation. She is retained by a public-private partnership, a university and businesses to design processes for public participation in environmental decision-making, as liaison with regulatory agencies and for advice on environmental compliance. She has handled litigation including health risk, environmental liability, and inverse condemnation claims.

OTHER EXPERIENCE

Assistant Professor at Colorado State University, (1974-78, On leave 1978-80); taught courses on cross-cultural dispute resolution.

EDUCATION

J.D., 1981 University of California at Berkeley
Ph.D., 1974 University of Connecticut at Storrs
B.A., 1969 Columbia University, New York, New York

REGISTRATION

California State Bar #102140 since 1981
Registered Environmental Assessor #06459 since 1995

PROFESSIONAL AFFILIATIONS

Ventura County Economic Development Association
past Chair, Environmental Affairs Division
Tri-Counties Local Government Attorneys Association
Ventura County Bar Association

Co-Chair, Environmental Law Section
California State Bar Environmental Law Section,
Education Committee

Hazardous Waste Association of California
past Chair, Air Committee of C. I. Chapter

AWARDS AND HONORS

Excellence in Environmental Leadership Award,
Hazardous Waste Assoc. of California & VCEDA
National Science Foundation Predoctoral Fellow
National Institutes of Mental Health Predoctoral
Fellow, Phi Kappa Phi
Phi Beta Kappa, Honors in Anthropology

EDWARD CAMARENA

6601 East Leafwood Drive

Anaheim, CA 92807

97 FEB 28 P1:59 (714) 974-5606

SOUTH COAST
AIR QUALITY
HEARING BOARD

February 26, 1997

Jackie Dix
Clerk of the Board
South Coast Air Quality Management District
21865 E. Copley Drive
Diamond Bar, CA 91765-4182

Dear Ms. Dix:

Enclosed is my resume submitted for consideration for my reappointment to the Engineer chair of the Hearing Board of the South Coast Air Quality Management District. My service on the Hearing Board over the past three year including the last two as its Vice Chairman has demonstrated my ability to balance environmental and socio-economic equities.

Business and industry representatives having come before the Hearing Board as well as attorneys from the District's Chief Prosecutor office can attest to my having carried out my duties in a fair and impartial manner exercising the judgment and discretion authorized by state law and expected by the governing board.

I look forward to the opportunity to continue my service on the Hearing Board.

Sincerely,



Edward Camarena

013

Edward Camarena

6601 East Leafwood Drive
Anaheim, CA 92807-5025

Phone 714-974-0385
Fax 714-974-3056
Email edcamarena@aol.com

EDUCATION:

BA, Chemistry, Occidental College, Los Angeles, California, 1960
MS, Environmental Engineering, University of California, Irvine, 1977

GENERAL SUMMARY:

Ed Camarena has 36 years of air pollution experience and is currently Vice Chairman of the Hearing Board of the South Coast Air Quality Management District. He is also an international consultant offering air quality management consulting services in Latin America. Major clients include The World Bank, the Environmental Commission for Mexico City, and the Mexico City Metropolitan Transportation and Roads Commission.

As a consultant to The World Bank staff since 1993, Ed's assignments have included several multimillion dollar projects including the Mexico, Northern Border Environment Project, the Mexico, Monterrey Metropolitan Area Air and Water Quality Project, The Transport/Air Quality Management Project for the Mexico City Metropolitan Area, an Air Emission Inventory for Minatitlan and Coatzacoalcas, Mexico and the introduction of unleaded gasoline and a motor vehicle inspection program in Honduras. His extensive work in Latin America underscores his ability to balance environmental objectives with economic realities in politically sensitive arenas.

Ed Camarena is the former Deputy Executive Officer of the South Coast Air Quality Management District (SCAQMD) which serves the greater Los Angeles area. It is regarded as a world leader for its many innovative and aggressive air pollution control programs. He left this position after thirty-three years of senior level service to launch his consulting business.

While with the SCAQMD he directed some of the major programs including engineering, permitting, enforcement, applied science and technology, information systems and technology implementation with annual budgets exceeding \$40 million. Among his accomplishments were many technical and regulatory innovations including initiatives resulting in a better working relationship with the industrial community through cooperative efforts leading to improved compliance. Ed was highly regarded as an even handed and fair but firm administrator of the District's programs.

Ed Camarena continues a close relationship with the SCAQMD currently serving as Vice Chairman of the Hearing Board. This is an independent, quasi-judicial body authorized to exercise wide discretion in weighing equities when granting variances to industrial

014

emission sources from District rules, issuing orders of abatement (carrying the force of law) and hearing appeals from actions of the District. He also serves on the SCAQMD Scientific Review and Budget Advisory Committees.

PROFESSIONAL AND COMMUNITY SERVICE:

- Hearing Board, South Coast Air Quality Management District, Vice Chairman
- Scientific Review Committee of the South Coast Air Quality Management District
- Budget Advisory Committee of the South Coast Air Quality Management District
- California Air Pollution Control Officers Association, (founding member and former vice president)
- California Society of Professional Engineers (1973 to 1977)
- National Society of Professional Engineers (1970 to 1977)
- American Chemical Society (former member)
- American Institute of Chemists (former member, elected "Fellow" in 1971)
- Orange County Engineering Council (former member)

EXPERIENCE:

8/93 to Present; **President, Camarena & Associates, Anaheim, California**

Sole proprietor of an international air quality management consulting firm serving Latin America. Services provided to The World Bank include staff consultant on air quality matters related to the Transport Air Quality Management Project for Mexico City, the Air and Water Quality Management Project for Monterrey, Mexico, the Mexico Northern Border Environment Project, Air Emission Inventory for the Minatitlan-Coatzacoalcos area and consultation with the Honduran Ministry of the Environment for the simultaneous elimination of leaded gasoline, introduction of unleaded gasoline and the implementation of a motor vehicle inspection program. The Mexico City project includes four interrelated components: (a) Vehicles, (b) Fuels, (c) Scientific Base, and (d) Institutional Strengthening. Services provided to the Metropolitan Mexico City Transportation Commission are related to the development of an integrated air quality/transportation management plan.

4/92 to 8/93; **Deputy Executive Officer/Technical Support Services, South Coast Air Quality Management District (SCAQMD), Diamond Bar, California**

Directed the operations of the following divisions: Applied Science and Technology, Information Systems, Technology Implementation, Human Resources, Administrative Services and Hearing Board Support. Acted for the Executive Officer in his absence. Directed the integration of emission databases into single coherent database. Directed audit of emission reporting system resulting in recovery of millions of otherwise lost revenue from underreporting of emissions by industrial sources. Directed software and hardware development for implementation of marketable permits program (RECLAIM).

10/87 to 4/92; **Deputy Executive Officer/Operations, SCAQMD**

Directed operations of Engineering, Enforcement and Applied Science and Technology Divisions. Acted for the Executive Officer in his absence. Directed procedural changes,

introduced computerized permit processing and training of engineering staff resulting in major efficiency improvement and 75% reduction in permit application backlog. Reinstated long dormant program aimed at smoking vehicles through contract with California highway Patrol. Implemented major innovative program changes related to the "New Directions" policy including self inspection program for specified industries resulting in significantly increased compliance and lower enforcement program costs.

10/79 to 10/87; **Director of Enforcement, SCAQMD**

Directed Enforcement Division. Instituted major enforcement program reforms. Significantly improved compliance and increased efficiency through establishment of training program for inspectors, off hour inspection policy, training programs for violators, innovative outreach aimed at small businesses, violation settlement program avoiding expensive attorney fees for minor violation and first time offenders, and substantial increase in fines for major violators. Implemented first enforceable continuous emission monitoring system for major sources.

4/78 to 10/79; **Director of Technical Services, SCAQMD**

Directed Technical Services Division, introduced use of mobile source testing units and instrumental source test methods and equipment. Obtained federal funding for million dollar modernization of the air monitoring network and telemetry system. Developed emergency response program to assist local fire protection agencies respond to toxic/hazardous material spills.

7/75 to 4/78; **Air Pollution Control Officer/Southern Zone, SCAQMD**

Responsible for the administration of all district operation in the Southern Zone (Orange County) of the SCAQMD. Was key player in the integration of the programs of the former four county air pollution control districts into a coordinated regional SCAQMD program.

4/72 to 7/75; **Deputy Air Pollution Control Officer, Orange County Air Pollution Control District (OCAPCD), Anaheim, California**

Directed the operation of the Orange County Air Pollution Control District including permit review, enforcement, air monitoring, source testing and laboratory services. Implemented one of the first gasoline vapor recovery programs in the world. Directed the first major revision and updating of Orange County's air pollution regulation. Founding member of California Air Pollution Control Officers Association.

6/68 to 4/72; **Engineer Associate, OCAPCD**

Principal in charge of permit application reviews. Key technical staff member in a power plant permit denial action resulting in a jurisdictional dispute with the California Public Utilities Commission (CPUC). This led to landmark California Supreme Court decision establishing the concurrent jurisdiction of air pollution control districts and the CPUC in California utility siting issues. Member of Joint Research Council for Power Plant Emissions.

'64 to '68; Chief Chemist, OCAPCD

Directed operation of one of the few regulatory air pollution labs in the country at the time. Developed some of the early air pollution testing methods. Expanded air monitoring network, developed methods for and conducted studies assessing pesticide drift from aerial application leading to restrictions to protect developing residential areas adjacent to agricultural operation. Developed one of the first telemetry systems for air monitoring networks.

'60 to '64; Chemist, OCAPCD

Duties included analysis of wide variety of air pollution samples, source testing procedure development, water quality analysis, pesticide residue analysis, and operation/calibration of early air quality monitors.

'58 to '60; Quality Control Technician/Pilot Plant Operator, Bray Oil Company, Los Angeles, California

Pilot plant studies, QC analysis of petrochemical products, and production plant unit operations.

REFERENCES: On request.

1/1/097

February 20, 1997.

Clerk of the Board
South Coast Air Quality Management District
21865 East Copely Drive
Diamond Bar, CA. 91765

Subject : Engineer Member, SCAQMD Hearing Board
Reference : Your Announcement "Hearing Board Vacancies".

Dear Madam:

For the past three years I have been actively serving on the SCAQMD Hearing Board as an Alternate Engineer Member. As you are undoubtedly aware of, my participation as part of the Hearing Board has been active and has averaged close to twenty percent for this duration. During this time I have been diligent in my efforts to acquire as much training in the Hearing Board activities as possible by attending the ARB Hearing Training and Advanced Training seminars, Cross-Media Enforcement seminar, and the AQMD symposiums such as "The Adverse Health Effects of Air Pollution", etc. My participation as a member of the Board is a matter of record with motions and discussions during hearings.

During the past eighteen years my involvement with environmental technologies and specifically air pollution control and abatement technologies, has been extensive. I have been actively involved in a number of projects that fall under the jurisdiction of SCAQMD. I have not only gone through all the processes of procurement of Permit to Construct and Permit to Operate of new innovative technologies and the relevant calculations of duty cycles, fuel consumptions, combustion efficiencies, emissions, emission controls, modification of cycles and operating procedures to comply with the pollution emission guidelines necessary to ascertain progress towards attainment of Minimum Air Quality Standards, I have actually passed a considerable portion of my long professional life in research and development of BACT systems and methodologies for achievement of such Standards. I have attended and participated in a large number of AQMD hearings and public forums over this period. Additionally, during the past 29 years, I have been extensively involved in research, development, and production of systems and components for reduction of automotive exhaust emission, a source that to this day remains very significant.

97 FEB 21 02:51:16 Paseo De Toronto
Yorba Linda, CA. 92687.

RECEIVED
FEB 21 1997
HEARING BOARD

I have been a practicing environmental engineer working with diverse industry disciplines resulting in my continuous and heavy involvement in the matters of air pollution control in the District. With the verbal, writing, and listening skills that I have developed making technical presentations, lectures, and workshops over a long productive career containing a continuous string of professional successes, and with the levels of responsibilities that I have carried including development, implementation, and enforcement of standards and regulations, the duties of the Hearing Board, as I have already ascertained during the past three years as a part of the Hearing Board, shall be a pleasant addition to my professional life. I have worked for, worked with, and have excelled in a number of diversified industries, and I have also owned businesses in Southern California.

The technical knowledge of a large spectrum of industries, engines, processes, etc. that constitute the sources and consequently the goals of our efforts, is essential towards successful implementation of controls and for compliance to achieve the Air Quality Standards. Such knowledge is essential to comprehend the situational variables and constraints on one hand, and to propose and provide achievable solutions on the other. I have that knowledge.

My resume is attached for your review. Please call me if further clarification or additional information is needed.

Sincerely,



Farooq A. Khan

Attachments:

- Resume
- List of Papers & Seminars presented

019

FAROOQ A. KHAN

24515 Paseo De Toronto, Yorba Linda, CA. 92687.
Tel. (714) 692 - 0817

Objective : Engineer Member Position in the South Coast Air Quality Management District Hearing Board

Skills : Twenty-eight years of high level technical and management experience in a number of environmental and engineering disciplines.

Technical Twenty-five years of experience in dealing with the environmental issues and solving air quality/ environmental problems, and environmental compliance of plants and processes. Three years as an actively participating Alternate Engineer Member of the SCAQMD Hearing Board sitting on the Board an average of one week out of five.

- Air - Over 20 years of experience - in air quality improvement, emission control, measurement, and abatement technologies for automotive, petroleum, and various manufacturing and process industries. Developed abatement technologies and applications including innovative fuel systems for IC engines, Selective Catalytic Reduction, adsorption, thermal oxidation, Low NOx Burner Systems, Incineration, CEMS, Emissions Inventory, and regulatory compliance and permitting per AQMD and CAA guidelines.
- Ground - Eighteen years - Developed and constructed innovative in-situ soil detoxification technologies including the EPA tested and approved revolutionary "Detoxifier" and "Terra-SURE"; procured CAL-EPA Permits; performed hazardous waste site cleanup using physical, chemical, and biological remediation technologies; consulted and executed resource conservation, hazardous waste minimization, control, and management; developed and implemented remedial design, remedial action, and environmental safety and compliance programs per CERCLA, SARA, and AEA guidelines.
- Presented Papers, conducted seminars and training sessions for professional societies and in-house and clients' technical and management staffs in U.S., Canada, UK, Germany, Norway, Netherlands, Sweden, Japan, Korea etc. in addition to teaching graduating classes in The School of Business at California State University, Fullerton, CA., and graduate and undergraduate classes in the School of Management, University of Phoenix, Southern California campuses.

Managerial

- Eighteen years - Provided leadership and high level management skills to assemble highly productive and highly motivated teams of small to large groups of professionals.
- Over twenty years - Provided Project/Program Management with total technical and management responsibility.
- Highly developed interpersonal and communicative skills.
- Negotiation skills for contracts, patent rights, leases, and joint ventures.

Education:

- MBA - Western Michigan University - 1975
- Ph.D. Mech. Eng. Illinois Institute of Technology - 1969
- M.S. - Mech. Eng. M. E. Technical University - 1965
- B.S. - Mech. Eng. M. E. Technical University - 1963
- B.S. - Physics, D J Science College - 1959

020

Achievements:

- Biography published in the National Directory of "Who's Who In Executives and Professionals" - 1996 Edition.
- Biography published in "Who's Who In California" - 19th and 20th Editions.
- Biography published in "International Directory of Distinguished Leadership" - American Biographical Institute, 1991 Edition.
- Member - Beta Gamma Sigma, Business Society for Outstanding Scholastic Achievement - 1974 & 75.
- Member - Panel of Experts of United States Technical Advisory Group 131 to ISO, for development of Sound Measurement Methods and Standards, 1979-80.
- Completed 2-day ARB Hearing Board Member training, and the 4-day ARB Advanced Training Program for Hearing Board Members, 1994 & 1995.
- Completed 40 Hours of ARB Cross Media Enforcement Training, 1995.
- Certified Hazardous Waste Manager and Trainer in State of California.
- Patents & Inventions - Computer controlled, Diesel engine driven, hydro-pneumatically actuated real time Motion Compensator for Offshore lifting cranes to Sea-State 9, Blowout Preventer Control System to reduce energy requirement to half, High Speed and High Efficiency Hydraulic Pump, Electronic Fuel Injection Systems for Gasoline Engines for exhaust emission reduction and fuel economy, Controls and control systems for environmental and industrial systems, the highly sophisticated "Detoxifier" for In-Situ clean-up of hydrocarbon contaminated soils without removal of soil, TerraSure technology for physical, chemical, and bioremediation of soils, Selective Catalytic Reduction for engines and processes.
- Member - SAE, ASME, ASTM, & ASIE.

Experience:

- 1994 - Present
• Alternate Engineer-Member, South Coast AQMD HEARING BOARD, Diamond Bar, CA - Actively sitting on the Board 20 percent of the time.
- 1993 - Present
• Instructor (Part-Time), CALIFORNIA STATE UNIVERSITY, Fullerton, CA and UNIVERSITY OF PHOENIX, CA.
- 1990 - Present
• President, EARTH ENVIRONMENTAL RESOURCES, Yorba Linda, CA - Air Quality/ Environmental engineering consulting, plant process emissions measurement and abatement, CEMS, permitting, environmental compliance, participation in AQMD Rule development seminars and workshops, and development of innovative abatement systems.
- 1985 - 1990
• Vice President, CALWELD, INC., Santa Fe Springs, CA - Development, permitting, construction, regulatory compliance, and international presentations, of air and soil remediation and earth drilling technologies. Environmental compliance of company plant and manufacturing processes.
- 1980 - 1985
• Technical Director, PAUL-MUNROE, ENGINEERED SYSTEMS DIV., Orange, CA - Research and development of SCR technologies, landfill gas power generation and cogeneration systems, hydraulic and electrohydraulic systems, regulatory body contacts, Air Quality compliance and permitting.
- 1977 - 1980
• Engineering Manager, NL INDUSTRIES, Houston, TX - Development and national and international sales of hydraulic and electrohydraulic Motion Compensators and Blowout Preventer Control Systems.
- 1971 - 1977
• Project Engineer - Advanced Engineering, EATON CORPORATION, Marshall, MI - Research and development of automotive exhaust emission measurement and reduction technologies, sound measurement and abatements, and miscellaneous automotive and off highway systems and components.
- 1966 - 1971
• Application Engineer - ROBERT BOSCH CORPORATION, Broadview, IL - Diesel and electronic gasoline Fuel Injection Systems for industrial and automotive internal combustion engines. And Research Engineer, AUTO RESEARCH LABORATORIES, INC., Chicago, IL - R & D of engines and drive trains, development of hydraulic component testing machines.

Personal:

- U. S. Citizen, in excellent health. Hobbies include Tennis, Bowling, Golf.

021

PAPERS & SEMINARS

The following are some of the Papers presented and Seminars offered by Dr. F.A. Khan:

- Low Temperature Thermal Desorption Technologies for Destruction of Air-Borne Contaminants - Lecture, California State University, Fullerton, CA - 1994.
- Innovative Soil Remediation Technologies - Lecture, Union Oil Company Research Center, Brea, CA - 1994.
- L-Jetronic - The Bosch Electronic Fuel Injection System - Its Effect On Fuel Economy and Exhaust Emissions - Lecture and Workshop, Robert Bosch Corp., Broadview, IL - 1970.
- Reduction of Exhaust Emissions from Internal Combustion Engines - Seminar, Paul-Munroe, Orange, CA - 1985.
- Methods and Procedures for Environmental Regulatory Compliance - Training Seminar and Workshop, Calweld Inc., Santa Fe Springs, CA - 1990.
- In-Situ Detoxification of Hazardous Waste - Seminar, Union Oil Co. Research Center, Brea, CA - 1989.
- Drivability Problems as a Function of Emission Regulations - Training Seminar, Eaton Corporation Research Center, Southfield, MI - 1975.
- Selective Catalytic Reduction (SCR) Technology for Diesel Engines - Lecture, Calweld, Santa Fe Springs, CA, 1990.
- In-Situ Detoxification of Hazardous Waste - Seminar, Union Oil Co. Research Center, Brea, CA - 1989.
- Limited Slip Differentials & Eaton Positraction - Training Seminar for Engineers and Technicians, Eaton Advanced Engineering, Marshall, MI - 1976.
- Self-Leveling Suspensions - Lecture, Eaton Corp. Advanced Engineering and Proving Grounds, Marshall, MI - 1974.
- Introduction To Sound - Eaton Corporation Seminar for engineering personnel, Advanced Engineering and Proving Grounds, Marshall, MI - 1973.
- Sound Measurement In A Reverberant Room - Paper - Milwaukee School of Engineering, Milwaukee, Wisc. - 1975.
- Automotive Suspensions & Tires - A Systems Approach - Training Seminar, Big O Tires, Inc., Ontario, CA - 1992.

022