

- **Noise Reduction of Hydraulic Systems** - Seminar, Eaton Corporation Research Center, Southfield, MI. - 1976.
- **Horse Power Limiter - An Electro-hydraulic Method to Insure Performance** - Paper, John Deere Co., Ames, Iowa - 1974.
- **Wave Cancellation System for Off-Shore Structures** - Symposium, Milwaukee School of Engineering, Milwaukee, Wisc. - 1980.
- **Engineering Education and Corporate Management** - Paper, Engineering Joint Council, Kalamazoo, MI. - 1975.
- **Position Referencing Systems for Dynamically Positioned Drill Ships** - Symposium, Society of Petroleum Engineers, Houston, TX. - 1984.
- **Ballast Control Systems for Semi-submersible Drill Rigs** - Seminar for Engineers, Paul-Munroe, Orange, CA. - 1983.
- **Development of Application Nomograms for Hydrostatic Transmissions** - Hydraulic Symposium for technical personnel, Eaton Corporation Fluid Power Division, Marshall, MI. - 1973.
- **Design Of Diesel Fuel Injection Pumps** - Seminar and workshop for Engineers, Robert Bosch Corp., Broadview, IL. - 1989.
- **Design of RQV Plus-Minus Governor** - Seminar for Engineers, Mack Trucks, Allentown, Pennsylvania - 1970.

ATTACHMENT 2

KAREN H. BECKMAN
1014 E. Culver Avenue
Orange, CA 92866

97 FEB 27 P1:39

February 25, 1997

SOUTH COAST
AQMD
HEARING BOARD

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

Dear Sir or Madam:

I am submitting my resume for consideration for the Attorney Member of the SCAQMD Hearing Board. My pre-law educational background and work experience in environmental health and safety as well as my legal experience in environmental matters make me uniquely qualified for the position. My recent legal experience in the tort law area has been for the purpose of enhancing my litigation and trial experience, however, my interest in environmental law is overriding.

I have handled diverse environmental matters involving air quality, hazardous waste, underground storage tanks, CEQA, superfund, insurance coverage disputes, real property transactions and cleanups, asbestos, and water quality issues. I have dealt with regulatory agencies, citizen groups and business. I have extensive litigation experience.

I understand the science as well as the business and financial interests involved in air quality decisions. I have the ability to interpret and analyze complex regulations. I have significant experience in adversarial situations yet appreciate the necessity of weighing interests, as well as the art of negotiation and compromise. As a native Southern Californian, I have a keen interest in controlling air pollution in the Los Angeles basin and surrounding areas. I am familiar with the judicial review process of administrative decisions. I am familiar with the types of business operations in Southern California and the types of emission problems we face.

I would welcome the opportunity to serve on the SCAQMD Hearing Board and be involved with decisions that impact the air quality of the region. I have no affiliation with any special interest group or particular type of business. I possess an avid interest in air quality issues and believe I would significantly contribute to the effective function of the Hearing Board. Please contact me at (714) 771-3698 to schedule an interview at your convenience. Thank you for your kind consideration.

Very truly yours,

Karen Beckman

Karen H. Beckman

025

Karen H. Beckman
1014 E. Culver Ave.
Orange, CA 92866
(714) 771-3698

License: California State Bar
Admission to Practice: December, 1989

Experience:

1995
to
Present
ATTORNEY
Law Offices of Debra Schultz, Irvine, CA
Complete case management for plaintiff personal injury practice from intake to claim negotiation, litigation, trial and post-trial motions. Jury trial experience as well as writ and appellate work.

1993
to
1995
ATTORNEY
Bennett & Kistner, Riverside, CA
Represent public entities and self-insureds in tort litigation defense, including dangerous condition, medical malpractice, motor vehicle and products liability. Responsible for case management from pleading stages through arbitration and trial preparation as well as administrative management of staff.

1989
to
1993
ATTORNEY
Jaffe, Trutanich, Scatena & Blum, San Pedro, CA
Handled all aspects of general civil litigation, with emphasis on environmental litigation, including air and water quality matters, real property transactions, contaminated property cleanup, defense of civil penalty actions and criminal prosecution for regulatory violations, insurance coverage, and regulatory compliance consulting. Federal Court experience.

1988
to
1989
CERTIFIED LAW CLERK
Rinos, Packer & Ahrens, Santa Ana, CA
Law Office of Judith Deming, Santa Ana, CA
Performed legal research. Drafted and responded to pleadings, discovery and correspondence relating to real property and construction defect matters. Assisted at trial.

Pre-Law
Experience:

1980
to
1988
SAFETY SPECIALIST, RISK MANAGEMENT
Responsible for municipal and corporate liability loss control, environmental and occupational safety and worker's compensation programs as well as insurance risk assessments and environmental testing.

026

Education:

Juris Doctor degree, Cum Laude - 1989
Western State University College of Law, Fullerton, CA
Class Ranking: 5th

Honors

American Jurisprudence Awards in:
Property, Civil Procedure, Appellate Brief Writing
and Constitutional Law
National Deans List

Activities

Law Review - Associate Editor, Research Assistant
Honors Moot Court
Trial Practice

Bachelor of Science degree, Magna Cum Laude - 1980
Environmental and Occupational Health
California State University, Northridge, Northridge, CA

Supplemental:

- 1990 Adjunct Professor, Legal Research & Writing
Western State University College of Law, Fullerton, CA
- 1991 Admitted to Federal Bar, Central District, California
- 1993 Pro Bono, Harriet Buhai Center for Family Law, Los Angeles, CA

97 FEB 13 P2:13

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AOMD
HEARING BOARD

25542 Rangewood Road
P.O. Box 3248
Laguna Hills, CA 92654
February 11, 1997

District Governing Board
South Coast Air Quality Management District
Attn: Ms. Jackie Dix
Clerk of the Board
21865 E. Copley Drive
Diamond Bar, CA 91765-4186

Re: Hearing Board Vacancies
Legal & Engineer Members

Dear Board Members:

I want to thank the District for providing me with a copy of the announcement on the upcoming Hearing Board vacancies. I am interested in an appointment to the Board as either the Legal or Engineer member. Enclosed is my resume that highlights my experience in the air pollution field.

In summary, I have a Masters Degree in chemical engineering and a Juris Doctorate Degree in Law. I have over 24 years of combined engineering and legal experience with the Shell Oil Company. My assignments at Shell included research, plant engineering, legal analysis and air, water and hazardous waste permitting with regulatory agencies. After retiring from Shell in 1987, I served as the Legal Member on your District's Hearing Board from 1988 to 1992 (Chairman 1991/92). From 1992 to the present, I have been doing engineering consulting and legal work with a variety of clients in the pollution field.

Over the years, I have volunteered my services in a number of ways. I served as a Board Member on your District's Building Corporation that oversaw the construction of the District's Diamond Bar headquarters. Before and after retirement from Shell, I did a considerable amount of immigration and litigation/appeal work at the Community Law Center in Santa Ana, CA. In addition, I assisted the Orange County Probation Department, Board of Supervisors and Juvenile Justice Commission in establishing a "connections program" for troubled youth. Time permitting, I now counsel inmates in Orange County jails and teach math, science and social study courses to our incarcerated youth.

Thank you for your consideration. If you should have any questions, please call me at (714) 643-0498.

Very truly yours,

Enclosure

James D. Joyce
James D. Joyce

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JAMES D. JOYCE, J.D., Ch.E.
Air Pollution Engineer/Attorney

Education

B.S. Chemical Engineering, University of Wisconsin, 1963
M.S. Chemical Engineering, New Jersey Institute of Technology, 1968
J.D. Law, John F. Kennedy University, 1980

Experience Record

1963-1987 Shell Oil Company
1987-1988 Community Law Center
1988-1992 Hearing Board of the South Coast Air Quality Management District
1992-1993 Pacific Environmental Services, Inc.
1993-Present James D. Joyce & Associates

Professional Affiliations, Honors and Awards

Admitted to California Bar and U.S. District Court (Northern California)
American Bar Association
American Institute of Chemical Engineers
Building Corporation of the South Coast Air Quality Management District
Secretary and Treasurer of the Board of Directors (1985-1992)
Western Oil and Gas Association
Chairman and Vice Chairman, Environmental Committee (1978-1981)
Budget Committee (1981-1984)
Vice Chairman, OSHA Committee (1975-1978)
Sub-committee on NO_x controls for heater and boilers (1980-1984)
Industry spokesman and witness at Hearings
National Paint Coatings Association
Past Chairman, Environmental Committee (New York City)
Sub-committee on coating reformulation
Liaison to EPA on reviewing ozone standard
Technical Consultant to US Bureau Printing and Engravings on Printing Inks
Witness at regulatory and legislative hearings

Relevant Technical Experience

Mr. Joyce has worked in the environmental field for over 29 years. He started his career in 1963 at Shell Oil Company's research center in Union, New Jersey. He was one

JAMES D. JOYCE
PAGE 2

of the pioneers in developing new adhesive printing ink and coating formulation using hydrogen bonding techniques to meet the emerging Rule 66 requirements in California. Following his research assignment, he joined Shell Oil's marketing team as a technical service and application specialist for major accounts who marketed adhesives, inks, plastics, and coatings. He later was assigned to serve as Shell's corporate Regional Representative for OSHA. In this capacity, he directed compliance efforts as well as served as Shell's technical representative before legislative bodies and regulatory boards in the Western States. His responsibilities were later broadened to represent Shell on all environmental matters in the Western States. He served as a technical expert to many legislative and regulatory agency bodies on environmental issues. He also was involved in all phases of permitting and toxic analysis for major projects at Shell. Other activities included developing and implementing plant compliance audits for air, water, solid waste and OSHA regulations and developing and implementing computer programs to meet compliance objectives. This activity included the establishment of source test protocols and auditing regulatory compliance checks at Shell's major facilities. After retirement in 1987, he entered the legal field where he concentrated on civil litigation matters. He then was asked to serve as the legal member in the Hearing Board of the South Coast Air Quality Management District (SCAQMD) which he accepted in 1988. He served as its Chairman from 1991-1992. Mr. Joyce joined Pacific Environmental Services, Inc. (PES) in 1992 and currently assists PES on special projects. He services selected clients through his own firm, James D. Joyce & Associates.

Regulatory Plan Assistance

Mr. Joyce has managed and participated in a number of projects assisting states and local agencies to develop regulatory plans. He recently served as Project Manager for a project with EPA Region VIII that assisted Colorado in developing emission calculation procedures for small businesses. While in the private sector, he both managed and served on task groups assisting California agencies in developing control strategies for SIP submittal. He appeared both as an industry spokesman and as an expert witness at regulatory and legislative hearings on control measure proposals for the oil and chemical industries.

Modeling Analysis

Mr. Joyce managed numerous projects involving air permitting that required dispersion modeling and/or health risk analysis. He analyzed modelling data in over 50 cases while sitting on the Hearing Board of the SCAQMD. This analysis included a review of modeling limitations, accuracy of the data, and assumptions.

Air Quality/Emission Data Base Assistance

Mr. Joyce directed the preparation of annual emission reports for several major West & Coast refineries. He assisted industry in collecting data from refinery operating units that assisted government agencies in developing emission factors. While on the Hearing Board at the SCAQMD, he developed computer spread sheets to assist the SCAQMD in gathering emission data for SIP submittal from sources receiving variances.

Aerometric Monitoring

Projects Mr. Joyce managed included the installation of NO_x, SO₂, opacity, and CO monitors at major refinery units. He participated in developing QA/QC measures on the monitors and served as the manager of compliance auditing teams.

Compliance Program and Enforcement Activity Support

For five years, Mr. Joyce served as a corporate environmental affairs representative on the West Coast for a major oil company. Part of his responsibilities was to review plant operations for compliance. This included arranging for source testing and performing modelling studies to determine impacts on the surrounding communities. Toxics such as hydrogen sulfide, ammonia, hexavalent chromium and benzene were all modelled from various units in the plant. Process and/or material changes were done where possible to minimize potential exposure to plant personnel and to the community.

Mr. Joyce managed numerous environmental projects while employed in the private sector. They included the development of self audit programs at a major refinery for air, water, and hazardous waste compliance with agency rules. He served as company spokesman at agency workshops on proposed new rules and regulations. Detailed analysis was provided on compliance and enforcement features in proposals. Testimony was given by Mr. Joyce at hearings on proposed rules and air quality maintenance plans.

Mr. Joyce served to two years as Chairman of the Environmental Conservation Committee of the Western Oil and Gas Association (new Western States Petroleum Association). He has overall responsibility for the management and direction of all environmental projects. Included in this responsibility was the management of a program to develop emission factors for valves, flanges, pumps, and compressors for use in updating AP-42 and in complying with agency rules. Another project under Mr. Joyce direction was to develop NO_x data from refineries and oil production operations for rule development and compliance audits.

While on the Hearing Board at the SCAQMD, Mr. Joyce directed the preparation of reports from Lotus worksheets to assist enforcement in tracking and checking compliance at

031

companies that had received variances or orders for abatement. These reports were updated daily so that rapid enforcement actions could be taken as needed. Data in the reports included emission restrictions, auditing requirements, and record keeping conditions.

Mr. Joyce has given numerous seminars to companies in the screen printing and coatings industry on complying with local rules and regulations. He has assisted companies in filing permit applications for installing equipment to meet NO_x, SO₂, particulate, and hydrocarbon emission limits. He has directed compliance audit reviews and assisted companies in developing their own audits to meet air, water, and hazardous waste regulations and standards.

Mr. Joyce directed the preparation of compliance documents for the State of Colorado for use in assisting companies to meet New Source Performance Standards (NSPS) and regulations limiting the use of volatile organic chemicals (VOC) in coatings and printing inks. Documents were also prepared under Mr. Joyce's direction to assist bulk terminals and service stations to meet NSPS and VOC limits.

Air Planning Analysis

Mr. Joyce served for four years on an industry task force that gathered aerometric data in the lower and upper portions of the San Joaquin Valley in California. The data was analyzed to determine if pollutants were being transported into the Valley from the Bay Area. He participated in other studies involving the on-shore impact of emission from lightering and other marine vessels. Mr. Joyce's role was Co-Project Manager of the studies.

Supporting Implementation Activities

Mr. Joyce developed training programs for audits of Shell facilities by regulatory agencies. Classroom sessions for government agency personnel on oil company operations were followed by on-site inspection of equipment in refineries. Details were given on source testing and plant safety. While on the Hearing Board on the SCAQMD, Mr. Joyce gave numerous presentations to the public and private sectors describing Board procedures and requirements for granting relief from rules and regulations.

Operating Permits

Mr. Joyce has extensive experience in permitting equipment with the Bay Area and SCAQMD. He was responsible for securing permits for a modification/expansion at a major refinery in Southern California. Emission balances, modelling, best available control technology determinations, and emission banking were all addressed in the permitting process.

032

JAMES D. JOYCE
PAGE 5

Papers and Presentations

Mr. Joyce has developed or assisted in the development of more than 30 technical publications, seminars and technical articles/papers covering a broad range of environmental issues. These include the use of hydrogen bonding characteristics of solvents with various resins to meet air pollution regulations, the development of emission factors for valves, flanges and pumps in the petroleum industry, assessing NO_x controls for heaters and boilers and the use of pollution prevention techniques to minimize SO_x emissions from refineries.

Patents

Mr. Joyce is co-holder of a patent entitled "Joyce/Reilly Rapid Setting of Polyepoxides" that is on file in the U.S. and in several European countries. No volatile organic solvents were needed in the adhesive and encapsulating formulations using the rapid setting curing agent for polyepoxides.

SANDRA ELKIN LESTER
89 Pinewood
Irvine, California 92604
(714) 552-7889

EMPLOYMENT/EXPERIENCE

AUTO SERVICE 2000, Board of Directors/Consultant, Irvine, CA (1994-present)

Advise company manufacturing and operating mobile closed-loop, self-contained oil changing system on variety of legal and environmental matters. These include permitting, negotiating with federal, state, and local environmental agencies, developing environmentally prudent operating procedures, coordinating with outside counsel, and various other legal matters.

MISSION ENERGY COMPANY, Environmental Counsel, Irvine, CA (1993-1994)

Sole environmental attorney for corporate law department of private energy subsidiary of Southern California Edison with both national and international facilities. Responsible for all legal environmental issues, including business development, permitting, operations, and general problem solving. Advise General Counsel, operations vice-presidents, plant managers and plant personnel on a variety of environmental issues. Regular speaker at facility educational programs. Duties also included negotiating business development deals, drafting corporate documents, and other various corporate legal functions.

McCLINTOCK, WESTON, BENSHOOF, RUBALCAVA & MACCUSH, Environmental Associate, Los Angeles, CA (1989-1992)

Experience in various areas of environmental compliance with emphasis in air quality. Presented matters before the South Coast Air Quality Management District Hearing Board; prepared court challenges to environmental regulations; monitored federal, state, and local environmental legislation; negotiated settlements with EPA; and conducted due diligence for real estate transactions. Wrote articles and presented speeches on environmental compliance issues and organized conferences regarding same. Litigation experience in areas of labor, business, and environmental law including CEQA challenges to land use permits.

PEPPER, HAMILTON & SCHEETZ, Associate, Summer Associate, Los Angeles, CA (1988-1989, Summer 1987)

Worked for environmental, labor, and business litigation departments.

NATIONAL WOMEN'S LAW CENTER, Student Extern, Washington, D.C. (1987)

Participated in lobbying, drafting legislation, legislative analysis, and public interest litigation.

UNITED STATES DISTRICT COURT, THE HONORABLE PAMELA RYMER, Judicial Extern, Los Angeles, CA (1986)
Wrote tentative opinions and bench memoranda. Assisted in trial preparation.

BANK OF AMERICA, CORPORATE TRUST DEPARTMENT, Legal Assistant, San Francisco, CA (1985)

Analyzed and interpreted bond indentures for legal and fiduciary responsibilities.

MAYOR'S CRIMINAL JUSTICE COUNCIL, MAYOR DIANNE FEINSTEIN, Intern, San Francisco, CA (1984)

Assisted liaison council between Mayor, police department, and citizens.

UNITED STATES HOUSE OF REPRESENTATIVES, CONGRESSWOMAN BARBARA BOXER, Congressional Intern, Washington, D.C. (1983)

Wrote speeches, articles, and correspondence on behalf of Congresswoman.

EDUCATION

UCLA SCHOOL OF LAW

Juris Doctor, 1988

Activities included: Moot Court, Westside Legal Clinic, UCLA Homeless Project, Legal Aid Foundation of Los Angeles, Public Interest Law Foundation, UCLA Public Relations Assistant.

UNIVERSITY OF CALIFORNIA, BERKELEY

Bachelor of Arts: Political Economics, cum laude, 1984
Departmental Honors; Honor Society; Alumnae Scholar.

PUBLICATIONS

Encouraging Commuter Car Pools: How to comply with the SCAQMD's ride-sharing regulations, 14 Los Angeles Lawyer 23 (September 1991).

Linking Underground Storage Tank Fund (SB 209), Haz-News, published by the Hazardous Waste Association of California (May-June 1990).

97 FEB 25 P2:22

SOUTH COAST
AQMD

February 22, 1997 HEARING BOARD

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

Re: Attorney Member Position of the SCAQMD Hearing Board

Dear Clerk:

It is my honor to present my resume for consideration for the position of Attorney Member to the South Coast Air Quality Management District's ("SCAQMD") Hearing Board.

My professional and personal background make me uniquely qualified for this position. As an attorney, I have experience in both litigation and environmental law. While with the law firm of McClintock Weston, among other things, I represented clients before the Hearing Board on a variety of matters, assisted in attaining operating permits from SCAQMD, negotiated settlements with SCAQMD counsel, and lobbied on behalf of business interests regarding various SCAQMD rules.

While in-house environmental counsel for Mission Energy Company, among many other responsibilities, I oversaw SCAQMD-related matters on behalf of Mission's Southern California facilities. I also worked with outside counsel monitoring and lobbying for various environmental legislation, including pending SCAQMD regulations.

Currently, I advise Auto Service 2000 on various aspects of their business relating to environmental and litigation matters. I assist management on legal and negotiating aspects of dealing with federal, state and local environmental agencies and help devise environmentally sound procedures for their operations.

In addition to my professional experience, on a personal level, I am an advocate on a variety of environmental issues, including the need to continue efforts to improve Southern California's air quality. I believe that the aim should be a workable compromise to satisfy business' need in order to keep our economy healthy while at the same time keeping ourselves and the environment healthy. Based upon my experience, I believe that this goal is attainable.

Therefore, with my experiences as a lawyer, business woman and concerned citizen I would serve the Board with an informed, balanced and dedicated mind. I look forward to discussing my background and views with you and hope to be afforded the opportunity to do so.

Thank you for your time and attention.

Very truly yours,

Sandra Elkin Lester
Sandra Elkin Lester

HERBERT M. SCHOENBERG

ATTORNEY AT LAW
4405 GAYLE DRIVE
TARZANA, CALIFORNIA 91356

(818) 344-1188
(818) 345-8598

February 5, 1997

97 FEB-6 P2:34

SEARCHED
SERIALIZED
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FILED
FEB 6 1997
FBI - LOS ANGELES

Jackie Dix, Clerk of the Board
SCAQM
21865 East Copley Drive
Diamond Bar, California 91765

Dear Ms. Dix:

I have enclosed a copy of my current resume in response to the Board's announcement concerning appointments for two Hearing Board vacancies. Because of other commitments, I am applying solely for the position of Alternate Attorney Member.

As the Board is most likely aware, since July 1, 1994 I have served on the Board as Ms. Abel's back-up. I have enjoyed participating in the hearing process and were the circumstances otherwise, I would have considered applying for the Attorney Member position.

I have had a vast degree of litigation experience which has enabled me to effectively analyze myriad issues and enhanced my ability to organize and communicate ideas and recommendations where appropriate. Recently, as an Arbitrator and Judge *pro tem*, I have had practical judicial experience which allowed me the opportunity to deal with litigants in an equitable and responsible manner.

I would be pleased to meet with the Board members to discuss the position and my qualifications for it.

Very truly yours,

Herbert M. Schoenberg

038

HERBERT M. SCHOENBERG

4405 Gayle Drive
Tarzana, California 91356
(818) 344-1189
(818) 345-8598

ARBITRATION EXPERIENCE:

(1993 -) Since electing early retirement at CBS, I have served as a panelist for the American Arbitration Association ("AAA") and the National Association of Securities Dealers, Inc. ("NASD"). I have arbitrated diverse matters, either as a member of a three-person panel or as the sole arbitrator, including contractual disputes, wrongful termination and securities violations. I have had extensive training as an arbitrator through the auspices of both the AAA and the NASD. In addition to my activities with these organizations, I have served as a judicial arbitrator in the Los Angeles and Ventura County court systems, where I have decided a variety of tort and contractual matters.

WORK EXPERIENCE:

(1969 - 1993) CBS INC., LITIGATION COUNSEL.

In 1969, I commenced employment at CBS Inc. as Litigation Counsel. My responsibilities involved representation of CBS in various litigated matters and claims, including preparation of pleadings, pre-trial motions, discovery, trials, writs and appeals. The cases in which I was involved included contractual disputes, wrongful discharge, employment discrimination, defamation, copyright infringement, bankruptcy, First Amendment proceedings and general commercial matters.

(1966 - 1969) U.S. DEPARTMENT OF JUSTICE, ASSISTANT UNITED STATES ATTORNEY

In 1966 I was appointed an Assistant United States Attorney for the Department of Justice in Los Angeles, California. I was responsible for the prosecution and defense of civil litigation involving the United States of America, including tort, contract, fraud and statutory claims. I also handled appellate briefing and argument before the United States Court of Appeals for the Ninth Circuit.

(1963 - 1966) BOOTH, LIPTON & LIPTON, ASSOCIATE

As an Associate, I was involved in commercial and business litigation, including the preparation of pleadings and briefs, general corporate and commercial matters, real estate closings and advisory letters to the firm's clients.

039

MISCELLANEOUS:

Since 1993, I have served as a Judge pro tem in the Los Angeles Superior and Municipal Courts and I am currently Chairperson of the Bench, Bar and Media Committee of the San Fernando Valley Bar Association. In 1994, I was appointed as an alternate attorney member of the South Coast Air Quality Management District. My appointment is scheduled to terminate on June 30, 1997. I am married and have two grown children.

EDUCATION:

COLUMBIA UNIVERSITY
School of Law
New York, New York

J.D., 1962

DARTMOUTH COLLEGE
Hanover, New Hampshire

A.B., 1959

ADMISSIONS:

New York - State and Federal Bars
California - State and Federal Bars

1963
1967

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97 FEB 28 P1:29

(1) Jackie Dix, Clerk of the Boards,
(2) South Coast Air Quality Management District,
(3) Kim Abel, Chairman of the Hearing Board,
(4) 21865 E. Copley Dr.,
(5) Diamond Bar, CA 91765,
(6) (909) 396-2500 FAX 396-3317.

SOUTH COAST
AIR QUALITY
HEARING BOARD

(7) John S. Billheimer,
(8) 1332 Tiger Tail Dr.,
(9) Riverside, CA 92506.
(10) (909) 780-1159 FAX 780-3237.

(11) I wish to apply for any openings in the South Coast Air Quality Management District Hearing Board that may occur for Engineer, Engineer Alternate, Public Member or Alternate thereto. I am a Registered Chemical Engineer in the State of California (P.E. CHE 15851, and have served on the Hearing Board of the El Dorado County APCD. I have a BS in Chemistry, and an MS and CHE (6th year) from California Institute of Technology, as well as graduate study at USC and the University of Chicago, and specialized training in information systems management at Harvard.

(12) (2) While serving on the El Dorado County APCD Hearing Board I was technical advisor to the 'Mountain Counties Basin' Coordinating Council as it was first formed under the Mulford-Carroll Act. I subsequently worked for the Volio-Solano Air Pollution Control District, and then the Riverside County APCD before the latter was consolidated into the SCAQMD. Prior to these I had worked at U.S. Vanadium in Bishop as assayer (tungsten and molybdenum), Grening Quicksilver in Minnemequa as mucker, Illinois Powder in Spanish Fork, Utah as explosives formulator.

(13) (3) Thus I was logically marked in the SCAQMD Colton Office as a 'desert rat', and received most of the permit assignments from that office for the Mountain Communities and the SEDAB, plus emphasis on chemical operations including the Kaiser Steel Mill chemical products and VDC/solvent operations for the Eastern Zone. It was thus logical when the Colton Office was consolidated into El Monte that I was assigned to Ayjay Wilson's Coatings (VOC) unit, where I wrote permits for printing, coating and adhesive operations.

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SOUTH COAST
AQMD
HEARING BOARD

February 26, 1997

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

Dear Ms. Dix:

I am submitting my resume for the position of Alternate Engineering Member of the SCAQMD Hearing Board. As you know, I was Engineering Member of the Hearing Board three years ago. This tenure gave me an opportunity to acquire extensive knowledge about Hearing Board procedures and air quality issues.

Although most of my current work with Newport Engineering Consultants is in the field of energy engineering, I was and continue to be very interested in air quality management in the Basin. In fact, I have noticed that quite often engineering that is energy efficient is also less polluting. Essentially, the best of both, more energy efficient with less pollution should be the ultimate goal for all design engineering.

My current work load at Newport Engineering Consultants is less than 40 hours per week. I am self employed and as part owner of Newport Engineering Consultants my schedule is flexible with some notice.

Sincerely,

Toni M. Callaway
Toni M. Callaway, R.E.A.
Senior Environmental Engineer/Geologist

044

Toni M. Callaway, R.E.A.
Petroleum/Environmental Engineer/Geologist

Residence: 1101 Castlegate Ln. Home: (714) 731-1803 E-mail: ToniCallaway@juno.com
Santa Ana, CA 92705 Office: (714) 955-5850 Fax: (714) 263-1410

Education MS/Petroleum Engineering/USC
MS/BS Geology/San Diego State University

Registration Professional Geologist/AR (1988)
Professional Geologist/KY (1993)
Environmental Assessor/CA (1994)

Professional Affiliations Society of Petroleum Engineers (SPE)
Ground Water Protection Council (GWPC), formerly (UWPC)
National Water Well Association (NWWA)

Positions of Leadership Foothill Communities Association Board of Directors (1996)
UWPC Board of Directors 86-91
API Officer 75-76, and Advisory Board 82-84, Conligna and San Joaquin Chapters
SPE Board of Directors and Education Director 82-84, San Joaquin Section

Specialized Skills Summary Energy Management/ Energy Economics
South Coast Air Quality Management District rules and regulations
Supervision of highly skilled technical staff
NEPA required document preparation/Grant Proposals
State and Federal disposal well evaluation and permitting
Underground natural gas and LPG storage facility permitting
Public Hearing and litigation experience/Admin. Law Judicial College
Groundwater Sampling, Geochemical Analysis & Modeling

Computer Experience Word Perfect - word processing, Quatro Pro - spreadsheets,
Quicken - accounting, and variety of geochemical modeling programs

PROFESSIONAL EXPERIENCE

Newport Engineering Consultants (NEC) Senior Petroleum/Environmental Engineer (Part Time Consultant, Self-Employed) - July 1994 to present

Consulting services provided on geologic, air and water quality issues; environmental document preparation and AQMD permitting guidance given to existing NEC engineering clients. Computerized geochemical evaluation of water treatment needs with treatment plant chemical specifications prepared. Other services include geological evaluation of onsite contaminant travel and remediation recommendations. In addition, complete energy management services are offered from initial survey to controls installation.

South Coast Air Quality Management District (SCAQMD) - Hearing Board
Engineer Hearing Board Member - July 1992 to July 1994

A member of an independent, quasi-judicial panel designed to provide temporary regulatory relief under compelling circumstances. Knowledge of the local air quality rules and regulations promulgated under the Clean Air Act (CAA) was necessary to provide the allowed legal relief. Duties consist primarily of review and evaluation of variance request and appeals which allow a temporary waiver of an SCAQMD rule or permitting decision. The Hearing Board also

045

has the authority to revoke and suspend SCAQMD operating permits and issue Orders of Abatement when appropriate. The engineer member utilizes professional judgement to evaluate the more technical aspects of each case (e.g. the claim of unforeseen mechanical failure or specific air pollution control equipment is not feasible or is prohibitively expensive). The engineer member's input is critical in formulating a feasible compliance schedule when equipment modifications are necessary, and for determining meaningful mitigation to the excess pollutant emissions resulting from a variance. Technical review of variance requests from facilities such as underground gas storage fields and landfill gas recovery systems required review of cross sections, isopach maps and geochemical sampling data.

New York State Department of Environmental Conservation (NYSDEC) - Division of Mineral Resources - Bureau of Resource Management and Development
Chief of Program and Offshore Development Section - 1984 to 1992

Initially hired to develop offshore (Lake Erie) gas resources for New York State. Economic analysis indicated Lake Erie development uneconomical at projected near future natural gas prices. Duties subsequently assigned were supervision of the underground gas and LPG storage and the solution mining regulatory permitting programs, coordination of the State and Federal USEPA underground injection control programs (UIC and NIPDES permitting), and environmental document preparation. Project review for these activities included evaluation and mitigation of associated air and ground water resource impacts. Hydrologic "area of review" was conducted for all commercial disposal wells. Consultant to NYSDC's Divisions of Water and Solid and Hazardous Waste for oil field associated waste disposal and mined cavern solid waste disposal. Supervised hydrological studies of contaminant transport. Extensive groundwater sampling and analysis of New York's producing formations successfully utilized to fingerprint these fluids and identify polluters. Major litigation and Public Hearing experience including joint hearings with the State Attorney General's Office and USEPA. State and Federal government coordination duties included preparation of several interagency MOUs.

Williams Brothers Engineering Company - Elk Hills Naval Petroleum Reserve #1
Senior Production/Project Engineer - 1981 to 1984

Responsible for shallow oil and gas production activity at Elk Hills comprising over 1200 wells and 27,000 BOPD production from 13 formations. Zones varied from dry gas to gas condensate and heavy oil. Special projects included evaluation of hydraulic fracturing stimulation program, interzonal migration problems between the shallow oil and higher pressured dry gas reservoir, the Elk Hills shallow aquifer dewatering program, and possible expansion of the "zero pot" casing drawdown program. Other special projects were equipment design for a pilot steam flood and a radioactive tracer test design for evaluating a waterflood efficiency. Also evaluated the economics of conversion from gas engines to electric motors on well pumping units.

California Department of Conservation - Division of Oil and Gas
Offshore Operations Engineer - 1978 to 1981

Reviewed and determined permit conditions for proposed offshore well operations. Monitored existing and reviewed proposed offshore secondary and tertiary recovery projects. Maintained inspection program for offshore facilities. Audited production, injection, and updated field reserves for yearly statistical operations report. Prepared geologic, engineering, and resource evaluation studies. Extensive liaison work with Industry, City, State and Federal agencies and quarterly review meetings with unitized operators. Reviewed and commented on Negative Declarations and EIRs prepared for offshore oil and gas development projects in State and Federal waters.

Energy and Mineral Resources Engineer - 1974 to 1978

Worked in Bakersfield, Coalinga, and Santa Paula field offices. Performed technical onsite inspections of oil and gas well operations. Evaluated drilling, workover, and abandonment proposals. Used geologic and production data to calculate reservoir volumes and estimate reserves. Evaluated geologic and engineering data/reports submitted for proposed injection and disposal projects. Prepared technical reports and correspondence.

046

OBJECTIVE:

Seeking a Hearing Board member (Engineer) position with the SCAQMD.

SKILLS

- Four years experience as an Air Quality Engineer at the SCAQMD regulating and issuing permits to industries in the south coast air basin.
- Four years experience as an Environmental Consultant assisting industries to obtain permits, and compliance with SCAQMD, EPA and CALSOHA.
- Comprehensive knowledge of the regulation (air quality issues) that impacts refineries and all the associated operating equipment such as boilers, heaters, storage tanks, and related compliance issues.
- Comprehensive knowledge of pollution control system and related cost-effective analysis.
- Excellent negotiation and communication skills.

EXPERIENCE

ABATE International Technology, Los Angeles California March 94 to Present
Air Quality Engineer

As a contractor I am assisting this firm on preparation of Risk Assessments, obtain permits and conducting emission inventory. Permit report write-up, cost feasibility study, Title V, and policy evaluation. Interaction with regulatory agencies and permit report write-up. Design pollution control systems, interaction with vendors and contractors.

Alternative Energy Systems, Yorba Linda, California March 91 to Present
Environmental Coordinator

As a contractor to this manufacturing I am in charge of all the environmental activities for Angelus Manufacturing. The responsibilities included obtain permits compliance with air quality issues and waste management. Other responsibilities were interaction with regulatory agencies, such as CALOSHA, SCAQMD, and County Sanitation District.

Tetra Tech Inc. Pasadena, California September 89 to February 91
Air Quality Program Engineer

As a contractor to this firm my responsibilities were proposal write-up, cost estimating, and project scheduling for environmental projects related to air quality issues. My other responsibilities were interpreting air quality regulations, evaluating pollution control systems, and serving as a liaison person between the clients and regulatory agencies.

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South Coast Air Quality Management District (SCAQMD), Diamond Bar, California
Air Quality Engineer July 85 to August 89

I was in charge of issuing operating permits to facilities such as power plants, waste water, water reclamation, land fills and remedial projects. The responsibilities were application review, engineering calculation, BACT analysis, and interpretation of District rules and its applicability to the industries. Responsibilities also included interaction with government agencies such as such as EPA and CARB regarding the source test method procedures and exhaust emission limits.

EDUCATION

Graduate Study: Applied Mathematics in Engineering
Oklahoma State University, Stillwater, Oklahoma
B.S. Mechanical Engineering
Oklahoma State University, Stillwater, Oklahoma

CERTIFICATE

EIT State of Oklahoma

For Committee Review:

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SOUTH COAST
AQMD

HEARING BOARD

- I have over eight years experience in all aspects of the Air Quality issues. My experience comprised of four year work at the SCAQMD as an Air Quality Engineer and four years of consulting engineer in the air quality field. As an engineer at the SCAQMD I was in charge of issuing operating permit to major stationary sources. To carry such responsibilities I conducted detail data analysis, emission calculation and evaluation of BACT for compliance with the District Rules and Regulations. To issues a permit to major stationary sources I also conducted the following tasks:
- Interaction with the planning department for the risk assessment and emission modeling analysis.
 - Interaction with the source testing division for the source test protocol review and approval.
 - Interaction with the enforcement division for operating conditions review and construction schedule.
 - Interaction with the applicant regarding the operating conditions prior to issues of the permit for any changes.
 - Issue a 30 days public notice.
- As a consultant in this field I have acted in all aspect of the air quality issues. The responsibilities has ranged from designing a system to obtain the required permit. As a consultant I carried the following responsibilities and tasks:
- Process Evaluation for optimum operation with in the perimeter of the District regulations.
 - Evaluate the pollution control systems, related process and conducted cost analysis.
 - Interacted with the vendors, design engineers, and contractors regarding the required perimeter of the project to meet the District requirement.
 - Represented the applicants and the industries to interacted with the District staff on the variety of the circumstances.
 - Interpolate the District's regulations and its impact on the industries.
 - Engineering report write-up for documentation and application review.