

PARVEZ ABBAS, CPP, REA
Senior Associate Consultant

CAPABILITIES

Air Quality Management and Compliance
Air Quality Regulatory Analysis
Air Dispersion Modeling
Health Risk Assessments for Toxics
Source Testing and CEMS Management
Air Pollution Control Engineering

Indoor Air Quality
Industrial Hygiene
Multimedia Environmental Compliance
Environmental Standard Operating Procedures
Mold Sampling and Remediation
Environmental Impact Reports

EXPERIENCE SUMMARY

Mr. Abbas specializes in air quality engineering for industrial clients such as refineries, oil and gas production facilities, machining facilities, asphalt roofing plants, electroplating facilities, printing facilities, coating companies, and cogeneration facilities.

Air Quality Management and Permitting - Mr. Abbas has managed all phases of air quality permitting, Title V permitting, Title V audits, Title V compliance evaluations, emissions calculations, air exposure assessments, risk assessment calculations, New Source Review regulations, emissions offset requirements, purchase and sale of ERCs and RTCs, emissions inventory and emissions fee return, toxic hot spots reporting (AB 2588), VOC recordkeeping and reporting, emission factor determination, rule compliance evaluations, Form R toxic chemical release inventory, EPCRA Section 313 audits, BACT evaluations, BACT cost effectiveness calculations, feasibility studies, variance petitions and hearings, and air quality related litigation.

RECLAIM - He is responsible for all RECLAIM compliance issues including RECLAIM reporting and emissions trading, quarterly certifications, emissions calculations, electronic transmittals, and trade reconciliation.

Source Testing - Mr. Abbas has coordinated and supervised several compliance source emissions tests and managed field-monitoring activities for fugitive emissions. He has been responsible for air pollution control engineering and permitting, testing, and management of continuous emissions monitoring systems (CEMS).

Health Risk Assessments - Mr. Abbas has managed health risk assessment projects, Proposition 65 exposure assessments, HARP emissions inventories, air dispersion modeling, and risk assessments for toxics. He has provided technical support for CEQA Environmental Impact Reports, including noise and vibration analyses, carbon monoxide hot spots modeling, traffic studies, and a myriad of air quality analyses.

Dust Control - Mr. Abbas has been involved in a number of fugitive dust control plans, fugitive dust sampling and monitoring, and visible emissions observations. Mr. Abbas maintains a visible emissions observer certification from the California Air Resources Board. Mr. Abbas has performed visible emissions observations for Title V and EPA Method IX certification as well as for Rule 403

compliance for baghouses, belt transfers, crushers, screens, shakers, feeders, stackers, combustion equipment, and refinery sources.

Industrial Hygiene - Mr. Abbas has also managed and conducted indoor air quality surveys, industrial hygiene monitoring, noise level monitoring, vibration testing, HVAC systems evaluation, bioaerosol (bacteria, mold, spores, and fungi) sampling, permanent total enclosure certification using EPA method 204, respirator training, confined space entry monitoring, and ventilation measurements.

Multimedia Environmental Compliance - He has also prepared spill prevention control and countermeasure plans, stormwater pollution prevention plans, business emergency plans, risk management plans, process safety plans, hazardous waste source reduction plans, environmental standard operating procedures, lockout tagout procedures, health and safety audits, and Phase I and Phase II site assessment reports.

EDUCATION

M.S., Civil-Environmental Engineering, California State University, Fullerton, California
B.S., Mechanical Engineering, Nagpur University, India

REGISTRATIONS AND PROFESSIONAL ASSOCIATIONS

California Engineer-in-Training License No. XE104091
California Registered Environmental Assessor (REA I)
Certified Permitting Professional (CPP) of South Coast Air Quality Management District
Certified Visible Emissions Observer of California Air Resources Board
Health Risk Assessment Training, HARP, Dillingham Software and Bluescape Environmental
Mold Inspector Certification, National Environmental
Radiation Safety Officers Training in accordance with NUREC-1556 Volume 4, Appendix g

SELECT PROFESSIONAL EXPERIENCE

Key air quality project responsibilities for Mr. Abbas have included:

Air Quality Management and Regulatory Analysis

- ***Acting Air Quality Engineer at Southern California Refinery – October 2005 through March 2006*** Responsible for numerous SCAQMD-related compliance and engineering assignments for an integrated refinery. Primary support included (in alpha order): Benzene NSPS quarterly reporting; CEMS calibrations, maintenance and reporting; CEMS modification application permits; emission calculations for permitting purposes; missing data substitutions; monthly large source emissions reporting; RATA source testing on CEMS and GC units; RECLAIM audits for the 2002, 2003, and 2004 reporting years; RECLAIM daily, quarterly and APEP reporting; source test coordination, oversight, and quality control; Rule 1118 (Flare) quarterly reporting and engineering support; and Title V draft permit compliance tasks. Mr. Abbas resolved numerous SCAQMD compliance challenges, and provided thorough turnover support when the client hired full-time personnel for these assignments.

- Managed all activities for the preparation of permit applications for over 10 permit units (internal combustion engines) at a ski resort. Tasks involved included emissions calculations, regulatory analysis, New Source Review, air toxics and health risk assessment modeling, determination of emissions offsets, BACT feasibility study, and close coordination with engineering and operations personnel. Mr. Abbas tracked all permit applications and coordinated with SCAQMD engineering staff in order to expedite permit processing.
- Completed permit applications for a variety of permit units at numerous manufacturing facilities. Tasks involved included complete emissions calculations for criteria and toxic air pollutants, regulatory analysis, New Source Review, air dispersion modeling for Rule 1401 calculations, BACT requirements, source testing, emissions factor determination, and close coordination with engineering and operations personnel. All permitting projects also include tracking of all applications and coordination with SCAQMD engineering staff.
- Managed Title V permitting projects for several manufacturing facilities, including all applicable issues such as rule compliance, potential-to-emit versus actual emissions comparisons, monitoring and recordkeeping requirements, audits, Rule 219 exempt equipment. Mr. Abbas also filed for and received Title V exclusions for several clients based on a thorough review of their past emission reports.
- Conducted emissions source testing for several internal combustion engines, external combustion sources, turbines, coating lines, plating lines, and air pollution control equipment. Projects included submission of test protocols, review of sampling duration and methods, coordination and supervision of testing activities, review of results, and compliance and emissions factor determinations.
- Completed and/or supervised Annual Emissions Reports for submittal to the SCAQMD for over eight years for a variety of clients. AER preparation included equipment and facility assessments, assessment of permitted and un-permitted equipment, emissions calculations, determination of appropriate emission factors, regulatory compliance issues, and close coordination with clients' facility personnel.
- Completed health risk assessment and air dispersion modeling for several manufacturing facilities. These assessments included air toxics inventory reports, exposure assessments, risk characterizations, stochastic analyses, and public notifications. Managed EIR projects for carbon monoxide Hot Spots reporting for traffic intersections. Managed air quality analysis for demolition, construction, and burning activities.
- Completed and/or managed air quality permitting, compliance plans, selection and installation of CEMS including specifications, rule requirements, data acquisition system integration, calibration gases, data reporting and verification, apprentice equipment, installation of sampling ports and stacks, testing for cyclonic flow and stratification, and designing flow straightening devices.

Indoor Air Quality and Industrial Hygiene

- Performed several industrial hygiene employee exposure surveys for manufacturing facilities. Collected air samples and performed real time air monitoring. Held employee meetings to explain reasons for survey, survey methods, associated health risks, and to answer employee questions.

- Performed indoor air quality sampling for modular classrooms, manufacturing facilities, sick building syndrome, and collected air samples. Assisted on-site personnel with air emissions controls and respiratory protection.
- Performed an electro-magnetic exposure survey at a newspaper printing facility to evaluate the presence of fringe magnetic fields and the potential for health risks. Project included the measurement of magnetic field strength and background fields, review of published health effects data, and a risk evaluation.
- Performed comprehensive noise studies at multiple manufacturing facilities and provided recommendations for noise abatement and controls. Developed noise contours for different frequencies for noise mitigation and engineering controls.
- Performed ventilation ductwork assessment for hazardous heavy metals at an electroplating facility.
- Has performed over 30 mold investigations, many pending legal cases. Has prepared numerous design documents and provided management for remediation of mold in public and private facilities, school and university settings and private residences.

EH&S Compliance

- Developed and implemented environmental, health, and safety management programs. Coordinator for a regenerative thermal oxidizer installation for reduction of volatile organic compound emission. Lowered workmen's compensation insurance cost by instituting accident investigation process to lower rate and severity of injuries.
- Developed lockout and tagout procedures for a bakery, dairy, warehouse, and tube manufacturing facility.

PROFESSIONAL HISTORY

Winefield & Associates, Inc., Senior Associate Consultant, Long Beach, CA 2005 - Present

JE Compliance Services, Inc., Senior Associate Engineer, Rancho Cucamonga, CA 1999 - 2005

Energy Environmental Solutions, Project Manager, Anaheim, CA 1997 - 1999

Galadari Group of Companies, Engineering Manager, Dubai, CA 1993 - 1996