Education and Work Background of City Technical Witness
DARIO W. ROCHA

AFFILIATION AND TITLE

AQD Ex. #2

Environmental Health Supervisor, Permitting Section
Air Quality Division, Environmental Health Department
City of Albuquerque, New Mexico

EDUCATION

Bachelor of Science in Mechanical Engineering, New Mexico State University, December 1989.

TRAINING

NACT 271 Stationary Reciprocating Engines, 6/2013
NACT 272 Stationary Gas Turbines & Power Plants, 6/2013
NACT 273 Industrial Boilers, 6/2013
NACT 299 Theory & Application of Air Pollution Control Devices, 6/2013
Intermediate Permitting, 10/2009
OSHA 8 Hour Hazardous Waste Operations & Emergency Response Refresher, 11/2006
NSR Reform Workshop, 10/2005
WESTAR Modeling for Permit Applications, 8/2004
Advanced NOx Emissions Control, 9/2003
Advanced NSR/PSD Workshop, 8/2003
APTI 454 Effective Permit Writing, 11, 2002
Multi-Agency Radiation Survey & Site Investigation, 2/1999
APTI 427 Combustion Evaluation, 3/1998
OSHA Supervisor Training for Hazardous Waste Site Operations, 12/1996
DOT Transportation of Hazardous/Radioactive Materials, 8/1995
OSHA 40 Hour Hazardous Waste Operations & Emergency Response training 3/1995
Forty Hours of Classroom Health Physics Training, 9/1993

EXPERIENCE

I currently have over 15½ years experience in air quality permitting. My experience encompasses processing and conducting technical reviews of minor NSR (New Source Review) permits, Source Registrations, and Major Source (Title V) permits.

ENVIRONMENTAL HEALTH SUPERVISOR, City of Albuquerque Environmental Health Department, Air Quality Division. April 2005 to present.

- Supervise and direct staff in the Permitting & Technical Analysis Section for the Air Quality Division.

- Assign air quality permit applications for NSR and Title V air permitting programs.

- Make applicability determinations for air quality permitting.

- Review and approve portable stationary source relocations within Bernalillo County.

- Prepare and approve air quality permits for minor and major stationary sources.

- Responsible for ensuring all air quality permits for minor and major stationary sources are issued or denied within their respective regulatory or statutory timeframes.

- Responsible for ensuring that stationary source air quality emissions inventories are prepared in accordance with 40 CFR 51 Subpart A.

ENVIRONMENTAL HEALTH SCIENTIST, City of Albuquerque Environmental Health Department, Air Quality Division. April 2003 – April 2005

- Primary duty - served as the Lead Permitting Specialist.

- Served as acting supervisor for the AQD's Permitting and Technical Analysis Section. Assigned permit applications to staff if time constraints became a concern.

- Responsible for knowing the characteristics of the NSR and Title V air quality permitting programs.

- Conducted technical reviews of over 85 New Source Review (NSR) and Source Registration air quality permits written by permitting staff.

- Prepared air quality permits for larger sources or permits that were technically challenging in nature such as synthetic minor NSR and Title V sources.

- Conducted applicability determinations for air pollution sources using local, state, and federal laws and regulations.

- Participated in AQD's development efforts in response to changes in air quality regulations and policies. Assisted with fiscal end-of-year permitting program priorities with EPA Region 6.

- Interfaced with EPA Region 6 in periodic conference calls.

- Provided testimony and/or input at public hearings, Albuquerque/Bernalillo County Air Quality Control Board meetings, and public information meetings.

ENVIRONMENTAL HEALTH SPECIALIST II, City of Albuquerque Environmental Health Department, Air Quality Division. September 2000 – April 2003

- Primary duty - issued Title V Operating permits.
- Maintained the Title V permitting program.
- Issued New Source Review permits.
- Assisted as needed in supporting the Air Quality Division with special projects or tasks.

ENVIRONMENTAL SPECIALIST F, State of New Mexico - Air Quality Bureau, Santa Fe, New Mexico. October 1997-September 2000

- Reviewed and processed Title V (operating permit) applications for sources regulated by the State of New Mexico. Maintained the Title V permit program by updating permit templates, monitoring protocols, and permit applications.
- Conducted site visits to various industrial facilities requiring a Title V permit. Interfaced with source applicant's personnel in matters regarding operating permit processing.
- Assigned various special projects to attain Environment Department/Air Quality Bureau goals. Projects include:
- Streamlining the New Source Review (NSR) permit processing schedule.
- Worked with a team to develop a New Source Review Training Manual.
- Chosen to be a member of the Cerro Grande Fire air monitoring team in a joint effort with the EPA and the DOE.
- Assigned to a team to develop a new Environment Department integrated database by helping create a library of standard permit conditions for NSR and Title V permitting programs as well as working directly with the vendor to customize the system for the Air Quality Bureau.

HEALTH & SAFETY OFFICER/HEALTH PHYSICS TECHNICIAN, Environmental Restoration Group, Inc., Albuquerque, New Mexico. July 1993-August 1997

- Assigned to ARCO/Whiting Petroleum Smackover Pool Unit "NORM" site near Magnolia, AR. Assisted in performing a radiological site characterization which included directing the gamma survey and soil sampling teams in a NORM contaminated oil field and analyzing soil samples using a gamma spectrometer. Also served as the Health and Safety Officer for the project.

- Environmental Consultant for DOW Chemical THORAD Project in Bay City, MI. Responsible for implementing the environmental monitoring program including air sampling equipment calibration and deployment and computer spreadsheet development.

- Environmental Monitoring Technician at DOE FUSRAP site in Wayne, NJ. Responsible for implementing the environmental monitoring program including work area and environmental air sampling stations, radon monitoring, and exposure rate measurements. Also conducted release surveys and personnel contamination monitoring. Operated the gamma-ray spectrometer for Ra-226 and Th-232 assay. Prepared shipping manifests for disposal at Envirocare of Utah Facility.

- Lead Technician for conducting radiological surveys at various sites using GPS-based gamma survey system. Surveys were done at Los Alamos National Laboratory, Brookhaven National Laboratory, Kirtland Air Force Base, and several other sites owned by industry. Performed some mapping of radiological data using Geographic Information Systems (GIS).

- Assigned to the ARCO Bluewater Mill reclamation project. Duties included serving as the site owner's field representative by directing the remedial contractors' activities to assure compliance with the work specifications and the environmental, health, and safety requirements. Also served in various other capacities including developing standard operating procedures, environmental sampling, sample preparation, radiation surveys, instrument calibrations and laboratory analyses.

ENGINEER, Houston Lighting & Power Company, Fossil Plant Engineering Dept., Houston, Texas. 1990-1992

- Responsible for mechanical design of assigned projects for the improvement and regulatory modification of fossil-fuel power plants. Provided the design and engineering for the installation of various equipment such as potable water systems, piping, pumps, air compressors, tanks and chemical feed systems

- Prepared engineering design calculations

- Prepared procurement specifications and conducted bid evaluations for engineered equipment

- Coordinated with other engineering disciplines, construction dept., purchasing department, and plant personnel to support project completion

- Developed engineering drawings and installation specifications

- Developed "Engineering Design Plans" for budgetary purposes

CO-OP STUDENT ENGINEER, Houston Lighting & Power Company, Houston, Texas. Four total Co-op terms:

August 1988 to December 1988 – South Texas Project Nuclear Generating Station, Support Engineering Dept., Mechanical/Nuclear Support Group

- Collected data on various types of check valves in every system of the plant in order to determine check valve degradation and wear as a commitment to INPO

- Performed an audit in smoke removal analysis involving operator action in case of a fire

- Participated in an audit of the Fire Protection System of STP Unit 2 performed by the Nuclear Regulatory Commission

January 1988 to May 1988 – South Texas Project Nuclear Generating Station, Nuclear Plant Operations Dept., Plant Engineering Group

- Monitored performance of chillers in the HVAC system for troubleshooting purposes

- Participated in testing HVAC system performance in the plant by analysis and calculation of traverse data

- Participated in testing of Fire Protection Alarm System performance in accordance with plant operation requirements

- Issued "Hot Work Permits" to contractors in order to perform any high temperature work in the protected area of the plant

May 1987 to August 1987 - Houston, Texas, South Texas Project Engineering, Physical Design Dept.

- Organized and interpreted data on accumulation of sediment in the plant's emergency cooling pond
- Updated an action item database for tracking Engineering Department's commitments for construction completion of the South Texas Project

August 1986 to December 1986 - P.H. Robinson Generating Station, Fossil Plant Construction Dept.

- Responsible for auditing and supplying construction drawings to contractors for unit modification of a gas-fired power plant

- Reported on the construction progress of the project