

NEAL T. BUTT

SUMMARY OF QUALIFICATIONS

- Expert in the promulgation of State Implementation Plans and rules governing air quality. Developed over 100 rule amendments and 9 stand-alone SIPs. Testified before an environmental regulatory board over 48 times.
- Drafted 15 'Negative Declarations' for affected facilities; and 6 attainment area designation recommendations.
- Over 23 years of experience in the field of Environmental Health, specializing in Air Quality, including: Regional Haze; Nonattainment; Transportation Conformity, Environmental Justice, VW Settlement and DERA.
- Provided staff support to the A/BC Air Quality Control Board for over 120 monthly meetings and hearings.
- Excellent working relationship with EPA management and staff in Region VI office (Dallas).

EDUCATION:

Bachelor of Arts in Environmental Planning and Design (CRP)	<i>University of New Mexico</i>	2012
Pre-Management Development Program (= 2 years supervisory experience)	<i>Public Service University</i>	2006
Associate of Applied Science in Criminal Justice with Honors	<i>TVI Community College</i>	2001
Certificate of Hazardous Waste Management	<i>WERC - University of New Mexico</i>	1999
Associate of Applied Science in Environmental Technology with Highest Honors	<i>TVI</i>	1998
Master of Science in Biology (Wildlife Management)	<i>University of North Dakota</i>	1993
Bachelor of Science in Biology (Zoology)	<i>University of New Mexico</i>	1989

PROFESSIONAL EXPERIENCE:

Environmental Analyst Planning Section, Air Quality Bureau, New Mexico Environment Department	March 2014 - Present Santa Fe, NM
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Serve as project manager developing control strategies to regulate air pollution emissions in New Mexico. Manage multiple projects with minimal supervision. Develop complex and potentially controversial concepts into detailed, functional air quality plans and regulations that meet the goals of the AQB and NMED; collaborate with stakeholders with disparate interests to build consent; conduct public outreach; testify before the Environmental Improvement Board; and submit adopted plans, regulations and supporting legal documentation to EPA for approval. Research air quality issues, analyze data, prepare reports for management; perform technical review of proposed construction projects (Environmental Impact Reviews) and mining permit applications. Participate in compliance inspections of industrial facilities including Jal Gas Plant, WPX Energy, Tyrone Mine, and Pyramid Generating Station. Assist Permitting Section with the review and issuance of Notices of Intent. Conversant with TEMPO permitting database. Designated by NMED Cabinet Secretary as Records Liaison Officer, to maintain permanent AQB Regulatory Archives.

Environmental Health Scientist Control Strategies Section, Air Quality Division, Environmental Health Department	July 2007 - March 2014 Albuquerque, NM
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Developed and implemented long range plans, programs and special projects in the field of municipal air quality. Served as *Air Quality Regulation Development Coordinator* promulgating state rules that govern air quality, through the Albuquerque – Bernalillo County Air Quality Control Board (AQCB), including research, drafting and editing of technical documents, hearing preparation, testimony, filing rules with the State Records Center & Archives, and submittal of rules and SIPs to EPA for approval. Coordinated internal committees, collaborated with other agencies, conducted public outreach and adhered to tight schedules and EPA Air Program Priorities. Served on interview panels to hire AQCB Liaison candidates.

Air Quality Planner

Control Strategies Section, Air Quality Division, Environmental Health Department

May 2005 - July 2007

Albuquerque, NM

Performed technical review of *Air Quality Impact Analyses* required for large-scale land use development plans using air quality emissions analysis modeling. Implemented the Carbon Monoxide Limited Maintenance Plan for the Bernalillo County nonattainment area. Served as liaison for transportation conformity to the Mid-Region Council of Governments (MRCOG), necessitating the review, analysis and technical consultation on transportation plans and project-level CO hot spot analyses, and facilitating interagency consultation. Promulgated air quality regulations and SIPs through the AQCB and submitted to EPA for approval. Established effective working relationships with EPA, regulated industry, elected officials, other air agencies and the general public.

Environmental Health Specialist I

Control Strategies Section, Air Quality Division, Environmental Health Department

October 2001 - May 2005

Albuquerque, NM

Developed control strategies, regulations and SIPs used to improve air quality. Developed working knowledge of the principles and practices of environmental health and air quality, including federal, state and local laws, statutes, ordinances, codes, regulations and policies. Served as staff to the AQCB, Hearing Clerk, Custodian of Records and webmaster; planned hearings and monthly meetings, published public notices, solicited hearing officers, court reporters and interpreters; and managed electronic and paper records. Trained in New Mexico Administrative Code (NMAC).

Certified Field Training Officer

Albuquerque Animal Welfare Department

April 1997 - October 2001

Albuquerque, NM

Animal Control Officer

Corrales Police Department

October 1993 - July 1994

Corrales NM

Interpreted, applied, enforced and prosecuted federal, state and local animal welfare laws, statutes, ordinances, codes, regulations and policies. Followed established protocol for animal care and control including, impoundment, chemical tranquilization, bite investigation, quarantine, cruelty investigation, equine neglect, and hoarding behavior. Conducted training for Animal Control Officer Recruits. Assisted law enforcement with nuisance urban wildlife, protected species, game animals, poisonous snakes and protective custody situations. Job is very high profile requiring adept handling of confrontational situations and prudent enforcement of laws while maintaining positive public relations. Served on the U.S. Humane Society task force implementation team.

Lab Technician III

Advanced Materials Laboratory, Center for Radioactive Waste Management

October 1996 - December 1998

Albuquerque, NM

Assisted principal investigator with lab research on the bioremediation of uranium-contaminated soil and groundwater collected at sites in New Mexico, Arizona, and Germany. Assisted with research and field demonstration of in situ bioremediation as applied to a nitrate-contaminated groundwater plume located in Albuquerque's South Valley. Emphasis placed on analyzing the behavior of native bacteria under field-like conditions when supplemented with different types of nutrient amendments.

Biology Instructor

Department of Biology, University of North Dakota

August 1990 - December 1992

Grand Forks, ND

Taught introductory concepts of biology as applied in the lab, including: laboratory protocol; scientific method; report writing; microscopy; chromatography; enzymes; pH; diffusion; osmosis; plant biology; cell biology; anatomy and physiology; genetics; evolution; taxonomy; zoology; animal behavior; ecology; conservation biology; and botany. Responsible for lab safety, lab preparation, drafting and administering exams, and conferring with students.

KERWIN C. SINGLETON

EDUCATION

Bachelor of Science, Chemical Engineering 1982

University of Missouri - Columbia

EXPERIENCE

New Mexico Environment Department Santa Fe, New Mexico

August 2004 - Present

Planning Section Chief – Air Quality Bureau

June 2018 – Present

The Planning Section of the Air Quality Bureau includes the Control Strategies, Dispersion Modeling, Emissions Inventory, and Small Business Assistance Programs. The control strategies section is responsible for preparing state implementation plan, policies, and regulations for air quality. The dispersion modeling and emission inventory section ensures that all air dispersion modeling analyses submitted to our agency are accurate and complete, assists major sources with the submittal of annual emissions inventories, and performs a quality control check of submitted data prior to certification and submittal to the US EPA. The Small Business Assistance Program assists small businesses in meeting air quality regulatory requirements.

Manager, Control Strategies - Air Quality Bureau

July 2008 – June 2018

As the Manager of Control Strategies, managed a staff of environmental analysts for the development of air quality plans and regulations for the State of New Mexico, including providing guidance and assistance to staff to ensure that plans and regulations are successfully adopted by the Environmental Improvement Board; providing technical, fiscal, performance and administrative analysis on draft bills during the legislative session; and representing the Department at stakeholder meetings on issues related to air quality plans and rule development.

Environmental Scientist & Specialist – Advanced

August 2004 - July 2008

As a permit writer, processed all assigned air quality permit applications (New Source Review, Prevention of Significant Deterioration, and Title V) to final action before or by regulatory deadlines in accordance with approved Department policies and standards and performed special projects to achieve the enhancement of the Bureau's goals.

Concept Technical Group Menomonee Falls, Wisconsin **Engineer**

March 2003 - July 2004

As a staff engineer, provided project-specific environmental support to the Johnson Controls Battery Group manufacturing sites and group headquarters, including preparation of air quality construction permit applications with detailed emissions calculations and supporting documentation; annual emission inventories; Toxic Release Inventory Form R reports; updating storm water management and contingency plans; and development of standardized environmental procedures.

RMT, Inc. Chicago, Illinois

December 1994 - January 2003

Senior Project Manager/Operations Manager

As a Senior Project Manager, guided clients through the complexities of air pollution permitting, reporting and compliance in multiple states to minimize their regulatory burden and obtain permits according to schedule. As the Chicago Operations Manager, managed three staff engineers, identified and developing project opportunities for engineers to meet or exceed utilization goals, and provided training and workload leveling.

Johnson Controls Battery Group, Inc. Milwaukee, Wisconsin March 1992 - December 1994

Environmental Engineer

As an Environmental Engineer, maintained air quality compliance at thirteen lead-acid battery plants and successfully obtained air construction permits to support all new equipment installations and plant modifications.

Olin Corp. – Brass Group/Winchester Operations East Alton, Illinois June 1989 - March 1992

Senior Environmental Engineer

As a Senior Environmental Engineer, prepared and submitted all air pollution permit applications and annual emissions reports for the casting plant, brass mill and Winchester ammunition operations. Duties also included the development and implementation of an obsolete chemical identification project to minimize future liabilities; the investigation and categorization of the use of hazardous solvents and implementation of non-hazardous alternatives that resulted in the elimination of several waste streams and a reduction of waste management costs; and providing comprehensive environmental permitting and compliance assistance for satellite operations in Missouri and Ohio.

Missouri Department of Natural Resources St. Louis, MO July 1984 - June 1989

Environmental Engineer I/II

As an Environmental Engineer, conducted inspections of hazardous waste generators and treatment/storage/disposal Facilities in the St. Louis region for compliance with state and federal regulations, and represented the Department at industrial association meetings and seminars.

MICHAEL G. BACA

EDUCATION

September 1999-June 2004 Carleton College Northfield, MN
Bachelors Degree in Chemistry

PROFESSIONAL EXPERIENCE

January 2019-Present
New Mexico Environment Department, Air Quality Bureau
Staff Manager

- Manage the Control Strategies Section to insure proper implementation of the federal Clean Air Act in New Mexico through the development and revision of the State Implementation Plan and other air quality management plans and rules for the state.
- Oversee, lead and assist with rulemaking and section projects including the preparation of testimony and exhibits to present before the Environmental Improvement Board for adoption of rules and management plans.
- Manage air quality programs and research projects to ensure proper procurement procedures, awarding of contracts and grants, timely submission of deliverables and appropriate financial expenditures to meet contractual obligations and compliance with state rules.
- Ensure that the Bureau's Performance Measures are achieved through high technical and professional standards while maintaining the section as a desirable place to work.
- Assign, prioritize and oversee completion of tasks and projects by reviewing work products and providing timely, substantive feedback including guidance to staff on programs, policies, rules, regulations, and resources.
- Conduct meaningful and constructive employee evaluations by providing appropriate recognition of strengths, weaknesses and recommendations for improvement.
- Fill vacancies by completing efficient and effective personnel hiring actions.

July 2008-December 2018
New Mexico Environment Department, Air Quality Bureau
Environmental Analyst-Advanced

- Represent the State of New Mexico as the air quality liaison with border air quality agencies and stakeholders, participating in the Joint Advisory Committee and the USEPA Border 2020 Program.
- Develop and prepare technical testimony and exhibits for public hearings in front of the Environmental Improvement Board to present and defend air quality plans and rules for adoption in New Mexico, including state implementation plans required by the USEPA.
- Analyze ambient air quality monitoring data and prepare technical support documents for submission to the USEPA for high wind blowing dust events that cause air pollution episodes.

- Conduct public education and outreach meetings and develop educational material regarding air quality, rule requirements, and rule development.
- Review and comment on Title V and PSD permits, Environmental Impact Statements and Environmental Assessments in the border region for compliance with federal and state rules and standards.
- Manage air quality research projects and contracts in the border area to ensure timely submission of deliverables and appropriate financial expenditures.

February 2005 -July 2008

New Mexico Environment Department, Field Operations

Environmental Scientist and Specialist-Advanced

- Review engineering plans and approve permits for construction of swimming pool and bath facilities.
- Oversee district operations to ensure adequate permitting and inspection of public swimming pool facilities.
- Conduct training for swimming pool department staff and operators.
- Permit and inspect restaurants and food processors, swimming pool facilities, and liquid waste disposal system installations for compliance with applicable regulations.
- Conduct public education and outreach to help the regulated and general public comply with administrative requirements and state regulations.

Kirby Sue Olson, Ph.D.
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505

Experience Highlights: Five years of experience in air quality permitting including 2.5 years of experience managing the Major Sources Permitting Program. Ten years of experience as an environmental consultant analyzing environmental data and writing investigation reports for facilities regulated under RCRA Hazardous Waste Regulations. Five years' experience with Hazardous Waste Bureau of the New Mexico Environment Department reviewing corrective actions and investigation reports submitted under RCRA regulations. One year of experience in development of air quality regulations for New Mexico. Two years' experience investigating chemical spills and analyzing Toxic Release Inventory data for the State of Georgia. Ph.D. in biological oceanography from the Massachusetts Institute of Technology/Woods Hole Oceanographic Institution Joint Program.

NMED Air Quality Bureau, Major Sources Permitting Program Manager

Start Date: 8-11-2018

End date: current position

525 Camino de Los Marquez, Santa Fe, NM 87505

I manage the air permitting program for all major sources in New Mexico. I review and edit all the operating (Title V) and NSR (construction) permits for over 150 major source facilities. Currently I directly supervise one ESS-S and three ESS-A positions. I am also responsible developing guidance and policy for the permitting section. I meet with representatives from industry to guide them through the application process and explain how the Clean Air Act and state regulations apply to their proposed projects.

NMED Air Quality Bureau, ESS-A

Start Date: 12-20-2014

End date: 8-10-2018

525 Camino de Los Marquez, Santa Fe, NM 87505

As an ESS-A with the Major Sources permitting section I reviewed complex calculations of air emissions, evaluated equipment and emissions for compliance with state regulations and the Clean Air Act, wrote the operating and construction permits for facilities, and worked with applicants to ensure they understood the regulations. I also trained new permit writers in procedure and how to write permits.

Senior Process Engineer, iBeam Materials, Inc:

Start Date: 2-24-2012

Kirby Sue Olson, Ph.D.
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505

End date: 12-14-2014

2778A Agua Fria St. Santa Fe, NM 87507

In this position I oversaw development and laboratory production of substrates for new superconductors. I was responsible for ordering laboratory supplies, laboratory experiments to develop new materials, and disposal of hazardous waste. I also wrote reports on research results for funding agencies. I worked 16-32 hrs/wk depending on project needs.

Part Time Risk Assessor, Portage Inc:

Start Date: 5-23-2011

End date:12-12-2014

1075 S Utah Ave Suite 200 Idaho Falls, ID 83402

As Human health risk assessor and ecological risk assessor I delineated extent of contamination and soil/water cleanup levels for numerous sites, including PCBs in an aquatic site at Tyndall Air Force Base in Florida. I also wrote and reviewed human health and ecological risk assessments for numerous sites, including soil and water areas at a uranium mine (Ross Island, Alaska). In this position I worked 10-20 hrs/k as needed for projects

Senior Risk Assessor, Portage Inc.

Start Date: 5-14-2007

End date: 6-18-2010

146B Eastgate DR, Los Alamos, NM 87544

I conducted numerous human health and ecological risk assessments for RCRA/CERCLA sites throughout the US, including Los Alamos National Laboratory and DOE's uranium production facility at Paducah. KY. I headed a work group to update human health and wildlife risk assessment guidance that included EPA representatives, state regulators, and DOE. I developed screening/cleanup levels for soil and water for chemical and radionuclides. I also developed plans for sampling and cleanup of contaminated sites. I supervised a staff of 3 employees developing reports of extent of contamination and requirements for remediation of sites.

Human Health and Ecological Risk Assessor, Neptune and Company Inc.

Start Date: 3-10-2003

End date: 4-30-2007

1505 15th St. Suite B, Los Alamos, NM 87544

Kirby Sue Olson, Ph.D.
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505

I analyzed and interpreted data on contamination in soil and water for ten sites and wrote RCRA investigation reports for each site. These reports included determining distribution of contaminants, calculating exposure concentrations for humans and wildlife species, and comparisons of contaminant concentrations to regulatory standards and levels of concern. I worked on sites for Los Alamos National Laboratory, a naval base in San Francisco, and Cerrillos Hills State Park in NM. I developed Excel spreadsheets to calculate risks to humans and wildlife at contaminated sites. I supervised one employee assisting me with writing site investigation reports. Part of my work was also to interpret the results of field studies of effects of soil and water contamination on plants and animals in two canyon systems (Mortandad and Pajarito Canyons in Los Alamos) and write report summarizing the results and findings. These field studies included effects on aquatic insects in ephemeral streams in Los Alamos, NM.

Human Health and Ecological Risk Assessor, NMED Hazardous Waste Bureau

Start Date: 6-27-1998

End date: 3-7-2003

2905 Rodeo Park Dr East Bldg 1, Santa Fe, NM 87505

I reviewed over 20 site investigation and risk assessment reports for contaminated sites under RCRA (technical documents are very similar to CERCLA). These sites evaluated included DOE National Labs, military bases, and private industrial facilities. I developed screening and cleanup levels based on human health and ecological risk for chemicals, Total Polycyclic Aromatic Hydrocarbons (TPH), and radionuclides. I headed a multi-agency workgroup (EPA, CDC, NMED, DOE, NM Dept of Health, Pueblos, and citizen advocacy groups). I presented result of that workgroup risk assessment at public meetings and developed press release for media.

ESS-A Air Quality Bureau

Start Date: 5-1-1997

End date: 6-26-1998

2048 Galisteo St, Santa Fe, NM 87504

In this position I drafted new air quality regulations for New Mexico, including research of regulations, public outreach, and presented testimony before the Environmental Improvement Board on technical issues related to the regulations.

Georgia DNR Environment Protection Division

Start Date: 5-16-1994

Kirby Sue Olson, Ph.D.
Air Quality Bureau
525 Camino de los Marquez, Suite 1
Santa Fe, NM 87505

End date: 6-28-1996

7 Martin Luther King Jr Drive, Suite 439, Atlanta, GA 30334

My job involved emergency spill response: traveling to spill site to document release, issue fines for regulations, and direct cleanup of sites. My position also involved compiling data and authoring state report for Toxic release Inventory (TRI) of routine chemical releases throughout Georgia. I developed a toxicity index to better explain risks of releases to public. I also conducted interviews with media as well as working with responsible parties to cleanup spills/releases of chemicals.

Postdoctoral Fellow, Georgia State University

Start Date: Jan 2,1991

End date: December 31. 1993

Georgia State University, University Plaza, S.E. Atlanta, GA 30303

As a postdoctoral researcher, I carried out several hundred laboratory biochemical assays of the binding of radioactive amino acids to sensory tissues in the Florida lobster. I authored three scientific papers published in peer-reviewed scientific journals. I planned and lead three field expeditions to collect tissue from Florida lobsters for laboratory work (2000-10,000 samples collected per expedition).

EDUCATION:

Doctorate degree in Biological Oceanography awarded - 2/1991

Massachusetts Institute of Technology and Woods Hole Oceanographic Institution Join Program,
Cambridge and Woods Hole, MA US

Doctoral research on Maine lobsters involved fishery culturing of lobsters in lab including maintaining breeding stock, preparing feed, culturing animals through 4 larval stages to adult lobsters

Bachelor's Degree in Biology with Honors awarded- 5/1984

Eckerd College, St. Petersburg, FL US

Bachelor's thesis on sampling and analyzing concentrations of heavy metals in Florida mullet