

Doug Blewitt
Certified Consulting Meteorologist (Number 379)

Experience

Air Quality Resource Management 1999-to Present

Developed technical solutions for industry for challenging air quality and process safety problems

Typical projects

- Advocacy support regarding EPA National Ambient Air Quality Standards – Developed comments that resulted in EPA not adopting a reduced ozone standard during the reconsideration of the standard
- Advocacy support regarding EPA National Ambient Air Quality Standards that resulted in EPA not adopting a NOx and SOx secondary standard nor an urban visibility standard
- Co-authored peer review papers on background ozone
- Developed a screening methodology concept for NO2 modeling that has been adopted by EPA
- Developed a hazard response system for accidental releases from oil and gas operations
- Assisted in the design of HF mitigation systems and consequence analysis for a chemical plant
- Conducted air quality analyses for oil and gas operation EISs
- Conducted industry support for oil and gas EIS analyses
- Developed the concept and participated in the development and implementation of the WRAP WestJump Project to build regional modeling databases for EIS analyses
- Provided air quality impact analyses for the BP Gulf of Mexico oil spill
- Designed a WRAP field program for evaluating accuracy of NO2 modeling for drilling rigs
- Participated in the evaluation and understanding of Wyoming winter ozone phenomena
- Participated in air quality technical expert review panels
- Participated and helped direct the Four Corners Regional Air Quality Study

Colorado Air Quality Control Commission 1999 to 2005

- Appointed by the Governor of Colorado
- Served as Technical Secretary
- Provided technical air quality experience and expertise to the Commission that developed Colorado air quality regulations

Amoco/BP 1980 to 1999

- Provided in house air quality expertise to all Amoco operating companies (refining, chemical, production and minerals)
- Lead project scientist for Amoco HF dispersion experiments (HF was released at the Nevada Test Site to understand the consequences of a loss of HF containment from a process unit)
- Co-author of HGSYSTEM suite of accidental release models that simulate a release of HF or other hazardous chemicals
- Designed HF mitigation systems for Amoco HF units (based on boundary layer and mathematical modeling)
- Developed an Auto Start Detection System that initiates mitigation in the event of an accidental release of HF
- Participated in hazard assessments of HF units
- Participated in the SIP development for Lake County, Indiana (a region with a refinery, three integrated steel mills, two coal fired power plants and many other industries)
- Instrumental in obtaining many PSD and minor source air permits
- Published numerous papers on advanced air quality analyses and emission controls

Education

Milton College BA 1969 Major Chemistry and Physics

University of Wisconsin 1969-1970 Department of Water Chemistry

IPANM EXHIBIT 7

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