



Michael Hober
Senior Project Engineer

QUALIFICATIONS SUMMARY

Mr. Hober's experience at the New Jersey Department of Environmental Protection and consulting firms has provided him with a broad base of industry and technical experiences. These experiences include air permit applications; emission control technology assessments; Phase I and II Environmental Site Assessments; air dispersion modeling; environmental impact assessments; air quality and meteorological monitoring; stack emissions sampling; hazardous site investigation; nuclear systems assessment; emergency response; and ISO 14001 regulatory compliance auditing.

EXPERIENCE

Air Permit Consulting

- Conducted air permit audits at numerous facilities located in multiple states.
- Prepared or reviewed air permit applications and supporting analyses for numerous facilities located in multiple states.
- Prepared Title V air permit applications or documentation to qualify facilities for synthetic minor status relative to Title V for numerous facilities in New York, New Jersey, Florida and Pennsylvania.

Emission Control Technology Assessment

- Prepared or reviewed Best Available Control Technology Assessments (BACT) and/or State-Of-The-Art assessments in support of air permit applications for numerous source categories located at facilities in multiple states. Source categories include utility and industrial boilers, gas and oil-fired turbines, gas and oil-fired engines, large-scale municipal waste and sewage sludge incinerators, flares, cement kilns, surface coating equipment, large-scale bread baking equipment, ethylene oxide sterilizers, and graphic arts equipment.
- Evaluated proposed emission control in preparation of expert testimony against controversial projects involving combustion of a synthetic coal emulsion and restarting an idle sulfuric acid plant.

Phase I and II Site Assessments

- Conducted site assessments in support of property transfers or facilities triggering the New Jersey Industrial Site Recovery Act (ISRA) at numerous facilities located in multiple states. Projects included site reconnaissance, report preparation, design and implementation of sampling plans, and limited remediation.
- Assisted in the collection of landfill gas samples at a large municipal landfill as required by 40 CFR 60, Subpart WWW.

Air Dispersion Modeling

- Performed and reviewed specific air dispersion analyses for over a dozen large-scale resource recovery PSD permit applications.
- Performed air dispersion modeling demonstrating toxic pollutant transport at an EPA Superfund site.
- Performed air dispersion modeling on toxic pollutants emitted from an air stripping column in Harrisburg, Pennsylvania.
- Performed specialized air dispersion analyses including visibility impact analyses, noise impact analyses, particle deposition analyses, and analyze for impacts from fog and drift from cooling towers.

Environmental Impact Assessment

- Prepared and reviewed specific analyses and text sections of several large environmental impact statements including the Long Island Ashfill EIS; Towns of Babylon and Oyster Bay, New York EIS's for resource recovery.
- Prepared and reviewed analyses and text sections for over a dozen large-scale resource recovery PSD permit applications.

Air Quality and Meteorological Monitoring

- Assisted in the installation, maintenance, and calibration of air quality and meteorological monitoring equipment in Lancaster County, Pennsylvania.
- Responsible for all data development and report production for an air quality and meteorological monitoring station in Lancaster County, Pennsylvania.
- Assisted in auditing and calibrating air quality and meteorological monitoring equipment in the Town of Oyster Bay, New York and at two locations in Bridgeport, New Jersey.
- Assisted in sighting and calibration of two air quality monitoring stations located in North Carolina and Virginia.
- Calibrated, repaired, and otherwise maintained all equipment associated with two air monitoring networks associated with remediation activities and other data gathering studies at the Rocky Mountain Arsenal in Denver, Colorado. Also, established and retrieved samples from same equipment as well as participated in specialty sampling events.

Stack Emissions Sampling

- Provided oversight of compliance emission testing for residual oil-fired boilers at a housing complex in New York.
- Provided oversight of VOC emissions testing at bread baking facility in New Jersey.
- Provided oversight of VOC emissions testing at a pilot plant batch chemical production facility.
- Provided oversight of stack emissions testing of two large-bore reciprocating engines at a 60 million gallon per day wastewater treatment plant in New Jersey.

Hazardous Site Investigation

- Performed site investigations in EPA Health Protection levels B, C, or D (as

required) at several designated Federal National Priority (NPL) and New Jersey hazardous waste sites including soil and surface water sampling, well sampling, landfill vent sampling, and ambient air toxic sampling.

- Designated site Health and Safety Officer for drilling operations at a designated NPL site in southern New Jersey.

Risk Management Plans

- Prepared a Section 112(r) Risk Management Plan for a 60 million gallon per day wastewater treatment facility in New Jersey.
- Prepared Toxic Catastrophe Prevention Act (TCPA) plans and documentation for a 60 million gallon per day wastewater treatment plant in New Jersey.

Nuclear Systems Assessment and Emergency Response

- Performed system assessment for significant events and plant shutdowns at nuclear power-generating facilities in New Jersey.
- Performed accident sequence analysis for emergency response drills in support of Public Protective Action recommendations for nuclear facilities in New Jersey.
- Performed air dispersion modeling of radioactive contaminants during nuclear emergency response activities.

ISO 14001 Regulatory Compliance Auditing

- Performed ISO 14001 regulatory compliance audits for numerous facilities in several states.

EDUCATION

B.S., Environmental Engineering, Rensselaer Polytechnic Institute

SOCIETIES

Air and Waste Management Association
New Jersey Association of Energy Engineers (NJAAE)
Association of Energy Engineers (AEE)
American Institute of Chemical Engineers (AIChE)