

PROFESSIONAL PROFILE

THOMAS J. BRADY, IV

REGISTRATIONS/CERTIFICATIONS

NJDEP Unregulated Heating Oil Tank Certified
NJDEP Sub-surface Evaluator License # 0018824
NJDEP Clean-up Star
NJDEP Temporary Licensed Site Remediation Professional
PADEP UMR License #4971
OSHA 40 Hour Certified
OSHA 8 Hour Supervisor Training
OSHA 8 Hour Update – May 2009
Lead Awareness Training
Two Hour Asbestos Awareness Training
Certified Indoor Air Quality Manager
Confined Space Entry Training
Certified Microbial Consultant (CMC)

EXPERIENCE SUMMARY

Twenty years of experience in the design, installation and construction of remedial systems for the clean-up of contaminated soils and groundwater. Completed numerous Phase I environmental audits and site investigations within Pennsylvania, West Virginia, Maryland, Ohio and New Jersey. Extensive project management experience ranging from tank closures to large-scale remediation projects. Completed numerous Brownfield and Land Recycling projects in Pennsylvania and

New Jersey. Completed numerous mold and indoor air quality investigations over the past thirteen years. Provided Expert testimony on petroleum cases.

EDUCATION

B.E. in Electrical Engineering from Stevens Institute of Technology, 1990

National Groundwater Association, Theory and Practice of Groundwater Monitoring and Sampling Course

University of Wisconsin, Milwaukee, In-situ Remediation Technology Course

Battelle, Third International Bioremediation Symposium

UCI, Novel Approaches to Remediation

New Jersey Hazardous Waste Regulations

Forensic Engineering Conference, Washington, DC - June 2000

KEY PROJECT EXPERIENCE

- Completed numerous Brownfield Redevelopment projects in Atlantic City, Camden, Jersey City, and Newark which involved the demolition of existing buildings, clean-up of impacted soils, management of historical fill, and groundwater remediations.
- Completed or underway eleven PA Land Recycling Projects
- Completed background arsenic studies at over twenty sites in Pennsylvania and New Jersey
- Provide environmental services for two banks who have outsourced their environmental work. Work includes reviewing Phase I and II reports and helping evaluate environmental risk and making recommendations regarding risk of lending on property.

- Performed and managed numerous environmental audits, site investigations and tank closures for clients in Pennsylvania and New Jersey. Experienced with the preparation of permits, closure reports, work plans and interaction with PADEP, OEPA, NYSDEC, WVDEC and NJDEP personnel.
- Oversaw site investigations at numerous farmed sites and designated remedial solutions that incorporated mixing, capping, excavation and off-site disposal for historic pesticide contamination. Including residential development and recreational facilities.
- Successfully completed the designs of more than 50 remedial systems, including special design projects in urban areas, along tidally influenced streams and those with complex hydrogeology.
- Developed several expert reports for petroleum release sites and solvent release sites regarding division of responsibility and damages.
- Provided expert opinions on the environmental condition of seven pesticide plants and potential remedial costs, as well as division of responsibility between responsible parties.
- Operated a Gas Chromatograph and interpreted the chromatographs at the Tyson Superfund site in King of Prussia, Pennsylvania and other soil vapor extraction remedial sites for over six months.

- Responsible for the design of remediation systems including chemical oxidation, air sparging, vacuum extraction, dual vacuum extraction, groundwater pump and treat, in-situ bioremediation, ex-situ bioremediation and pneumatic fracturing. Design responsibilities included remediation technology selection, well spacing pipe and equipment sizing, vapor and liquid treatment technology selection and sizing and cost estimating. Designed remediation systems ranging in size from gas stations to multi-million dollar Superfund Sites.
- Responsible for the evaluation and preparation of numerous Phase I's, Preliminary Assessments, Remedial Investigation Reports and Remedial Action Workplans for a variety of sites based on the NJDEP Technical Requirements for the Site Remediation.
- Managed the spent and recycled nationwide activated carbon inventory for remediation contractor including waste characterization and transportation.
- Responsible for the Preparation of Remedial Action Work Plan, Scope of Work, Air Discharge Permit, NJDES-DSW and DGW permits and Treatment Works Applications for remediations under the jurisdiction of the Bureau of Underground Storage Tanks for a large oil firm
- Developed standard operating procedures for Vent and Pump tests and trained entry level engineers on performing and interpreting the results of the tests.
- Managed asbestos surveys of over 120 bank branches as well as numerous abatement projects.
- Completed IAQ and mold investigations at over 100 facilities. Work included sample acquisition, data interpretation and abatement recommendations.

- Managed tank investigations and subsequent removal at over 25 bank branches.
- Managing concurrent projects including report preparation, budget management and the effective operation of remediation systems.
- Designed and installed remote monitoring/datalogging systems for process conditions and water level measurement.
- Designed power distribution and control systems for medium to large remediation projects in the US and Japan.
- Engineered in-situ resistive heating research project.
- Engineered in-situ PCB thermal desorption remediation system at a New York Drag Strip Site.
- Managed Decommissioning of Tile Manufacturing Plant in South Jersey.
- Managed Decommissioning of Microprocessor Manufacturing Plant In Southeast Pennsylvania.

PRESENTATIONS AND PUBLICATIONS

Montgomery County Industrial Development Commission

The Best Way to Deal With Underground Storage Tanks - The S.C. Loveland Case

December 20, 1994

South Jersey Small Banks Seminar

Phase I through Phase IV - Managing Environmental Issues

April 20, 1995

Chester County Realty Association

Dealing With Underground Storage Tanks - Phase I to Closure

May 19, 1995

PNC Bank Land Recycling In Pennsylvania and New Jersey

April 1996

AEHS Contaminated Soils and Groundwater Conference

Gordon Buick Case Study

March 1997

Oxnard, California

5th Annual Industrial Site Recycling Conference

State Funding Opportunities

September 1999

Pittsburgh, Pennsylvania

New Jersey Brownfields Conference

Application and Use of New Jersey Brownfields Regulations

February 2001

Iselin, New Jersey