

CARYN BARNES, LSRP

PRINCIPAL

ENVIRONMENTAL ENGINEERING

Ms. Barnes has over 20 years of experience in all aspects of environmental investigations, feasibility testing, NAPL, soil and groundwater remediation, soil vapor investigations and site closure. Caryn has worked extensively in New Jersey, on both New Jersey and EPA-lead projects, and in Pennsylvania on Act 2 projects. Her extensive knowledge of the regulations, coupled with her strong technical skills, enables her to be an effective client advocate, determining and implementing cost-effective environmental remedies that are protective of human health and the environment. Caryn has been the Lead Technical Coordinator for a multiple-party Superfund site in New Jersey, and has worked with Fortune 500 Companies developing environmental portfolios of greater than 100 projects, managing regulatory, technical, and financial responsibilities. As an LSRP, Caryn has certified several Response Action Outcomes (RAOs) and has prepared numerous LSRP submittals. She is currently the LSRP of record for more than 10 projects.

Caryn is a skilled communicator and manager, and has extensive experience in all aspects of preliminary assessments, site investigations, remedial investigations, and remedial actions, including the conceptualization and design of groundwater and soil remediation projects. She has implemented strategies including separate-phase hydrocarbon recovery (pneumatic pumps, liquid ring pumps, electric submersible pumps), soil vapor extraction (low and high vacuum), air sparging, and groundwater with treatment systems including thermal and catalytic oxidation, granular activated carbon, air strippers, and oil water separators. She is also currently implementing a thermal destruction remedy, and has implemented numerous risk-based and natural attenuation programs. She has also designed vapor intrusion investigations and implemented remedial strategies for addressing hexavalent chromium impacts.

She is experienced in evaluating subsurface data including: aquifer characterization (pumping tests, slug tests), subsurface geologic interpretation, geophysical test data (three-arm caliper, heat pulse flow, optical televiwer), vertical profiling (passive diffusion bag samplers, FLUTE liners), and soil and groundwater sampling data. She has conducted subsurface evaluations in a variety of complex geological terrain's including bedrock, unconsolidated coastal plain and glacial formations.

In regards to technical regulations, Ms. Barnes has extensive knowledge of New Jersey and federal regulations, and has prepared many LSRP submittals and RAOs. She has also prepared numerous Site Investigation Reports, Remedial Investigation Reports, Remedial Action Workplans, and Remedial Action Reports. She's prepared Site Characterization Reports, evaluated and refined site conceptual models, proposed site-specific standards, and obtained numerous no further action (NFA) determinations from the NJDEP and closures under various regulatory programs. Caryn plays an active role in emerging regulations. She has worked with numerous industry groups and as an advocate for clients to prepare comments and responses to draft regulations, including New Jersey's Vapor Intrusion Guidance, Grace Period Law, Soil Remediation Standards, Concrete Recycling guidance, the Administrative Requirements for the Remediation of Contaminated Sites (ARRCS), and the Site Remediation and Reform Act (SRRA). Caryn is on the



EDUCATION

B.Sc. Environmental
Science & Resource
Management, Aquatic
Systems
Lehigh University

PROFESSIONAL REGISTRATION

Licensed Site Remediation
Professional #575011

NJDEP Subsurface
Evaluator License #0010416

N-2 Industrial Waste Water
Treatment License
#0003003

CPR and First Aid

AFFILIATIONS

LSRPA, Licensed Site
Remediation Professionals
Association

TRAC, Technical
Requirements Advisory
Coalition

SRAG, Site Remediation
Advisory Council

CCNJ, Chemical Council of
New Jersey

LANGAN

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Steering Committee of the Licensed Site Remediation Professionals Association (LSRPA), and as well the chairperson for the external shareholders committee.

Tech Reg Committee,
NJDEP

SELECTED PROJECTS

- Fair Lawn Well Field Superfund Site, Fair Lawn, NJ
- Thermo Fisher Scientific, Fair Lawn NJ
- Air Products and Chemicals, Middlesex, NJ
- Air Products and Chemicals, Fairless Hills, PA
- PPL/UGI, Carlisle, PA
- Henkel/Former NSCC Facility, Bloomfield, NJ
- Campbell Soup Company, World Headquarters, Camden, NJ
- Kinder Morgan Liquid and Solid Material Terminals, Multiple Sites, NJ and PA
- ExxonMobil Refining and Supply Company, Portfolio Management of >100 NJ and PA Projects
- Occidental Chemical Company, Jersey City, NJ
- Occidental Chemical Company, Monmouth Junction, NJ
- Occidental Chemical Company, Newark, NJ
- Linden Companies, Linden, NJ
- Coining Inc., Millville, NJ
- Coining, Inc., Basking Ridge, NJ
- Harte-Hanks, Westville, NJ
- United Steel Deck, Plainfield, NJ
- Johnson & Johnson, Milltown, NJ

SPL Advisory
Subcommittee, PADEP

ICREW, Industrial
Commercial Real Estate
for Women (NJ and PA)

SWEP, Society of Women
Environmental
Professionals (NJ and PA)

Chamber of Commerce –
Pennsylvania, Member

National Groundwater
Association, Member

SELECTED PUBLICATIONS, REPORTS, AND PRESENTATIONS

What's New in NJ, a Langan Seminar in conjunction with NJDEP, Presenter and Organizer, December 2007, October 2008, December 2009, June 2010, November 2011, April 2012, and March 2013

NJDEP's Soil Remediation Standards, Applications and Implications, Rutgers, Presenter, 2008, 2009.

Environmental Science for Lawyers, Presenter, Rutgers, October 7, 2008, 2009.

NJDEP's Proposed Soil Remediation Standards, An In-depth Review and Analysis, Presenter, Rutgers, October 30, 2007.

Applying NJDEP's Proposed Soil Cleanup Standards, Presenter, Rutgers Remediation and Brownfields Conference, November 2006.

Overview of Grace Period Law, Presenter, November 2006.

Vapor Intrusion Guidance, Presenter, NJIT, 2005, 2006, 2007.

Draft Soil Remediation Standards, Basis and Background Documents, Seminar Organizer and Presenter, October 2004.

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NJDEP UST Enforcement, CCNJ, September 2004.

Vapor Intrusion: Implications for Brownfield Development, Brownfields Seminar, November 2004.

Vapor Intrusion Seminar, SWEP, Presenter September 2004.

Vapor Intrusion Seminar, Presenter January 2004.

Product Recoverability Seminar, Presenter November 2002.