

EXHIBIT R-5

**NORFOLK-RAM**ENGINEERING SOLUTIONS
FOR THE ENVIRONMENT**Brian V. Moran, P.E., LSP**
Principal

Mr. Moran has over thirty (35) years of diversified experience in environmental engineering and is a registered professional engineer in 11 states. He is a founder and managing partner of Norfolk Ram Group, LLC and has prior experience in both the private sector as an environmental consultant, regulatory experience with USEPA, where he was engaged as a permit writer and Inspector for PCB and RCRA disposal facilities, and design/construction experience for the US Army Corps of Engineers. His experience includes consulting and expert testimony on industrial waste and environmental problems. He is an experienced Licensed Site Professional (LSP) and has held an LSP license since 1993 when the privatized LSP program began. Previously he developed hazardous waste programs for the USEPA and U.S. Army Corps of Engineers. With the Army Corps of Engineers, he managed Superfund (CERCLA) and DOD hazardous waste remedial projects including a technical review of feasibility options for dredging of PCB-contaminated sediments at the New Bedford Harbor, MA Superfund site. In the private sector, Mr. Moran managed numerous projects involving ground water contamination investigations and remedial actions including remedial investigation/feasibility studies (RI/FS). He has been involved in environmental assessments and consulting in the Czech Republic for privatized companies and the Czech Ministry of Privatization. Mr. Moran is an expert in the use of In-Situ Chemical Oxidation (ISCO) technology for destruction of organic contaminants in soil and groundwater for projects in the U.S. and Europe. He pioneered the development and use of ISCO technology with modified Fenton's Reagent in the New England region in 1994.

Education

BA, Georgia State University, (Chemistry/Anthropology), 1974

MS, Polytechnic Institute of N.Y. (Civil Engineering/Environmental Health), 1979

Pace University, (MBA Program), 1980

Professional Registrations and Certifications

Registered Professional Engineer (ME, MA, PA, RI, CT, NH, NY, NJ, MD, VA, NC)

Licensed Site Professional, MA

Certified Soil Evaluator, MA

Diplomat and Fellow, American College of Forensic Examiners and Investigators

Licensed Title 5 Inspector, MA

40-Hour OSHA HAZWOPER Certified

National Council of Examiners for Engineering and Surveying (NCEES)

Recognition and Awards

Exceptional Performance Award, U.S. Army Corps of Engineers, Washington, DC- 1983

Exceptional Performance Award, U.S. Army Corps of Engineers, Washington, DC- 1984

Special Act and Service Award, U.S.E.P.A. - 1980

Professional Associations

Member, American Chemical Society

Member of the National Groundwater Association

Member Licensed Site Professional Association

Professional Member EWB-USA (Engineers without Borders)

Public Service

Chairman and Member: Holliston, MA Board of Health (14 yrs.)

Holliston Sewer Committee: Holliston, MA (2 yrs.)

Key Experience**Project Manager: Electrical Transformer (PCB) Sites**

Project Manager for numerous PCB transformer oil release (PCB) sites. Provided source and ground water characterization, remedial recommendations, and negotiations with

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regulatory agencies. Prepared and filed Response Action Outcome (RAO) statements as Licensed Site Professional (LSP) for cleanup of transformer and PCB contaminated fill sites in conformance with Massachusetts environmental regulations.

Consultant and Expert Witness: Superfund Site: Rhode Island

Managed environmental forensic investigations for identification of hazardous wastes and PRPs at an NPL CERCLA site in Rhode Island (Davis Liquid Waste site). Provided expert witness testimony on behalf of three major PRPs involved in the site.

Principal In Charge: Insurance Claims Management

Functioned as coordinator and manager of numerous environmental insurance claims for major insurance carriers in New England. Managed cleanup of contractors and consultants involved in environmental remedial projects and consulted for numerous insurance carriers concerning resolution of third party liability claims.

Project Manager: Metal Finishing and Plating Wastewater Characterizations

Project manager for metal finishing and plating wastewater characterizations and closed loop treatment plant designs for metal finishers and diesel engine remanufacturing facilities. Engineer of record for waste treatment design and construction management services for new diesel equipment maintenance facility.

Principal In Charge and Engineer of Record: Wastewater Treatment Systems

Acted as principal engineer and designer of wastewater treatments systems for both industrial and sanitary treatment and disposal systems. Projects included metal finishing treatment systems, closed loop recycling systems, and sanitary (Mass. Title 5) sewage treatment and disposal systems. Also performed design reviews and approved over one hundred (100) Title 5 system designs as a Board of Health member for the town of Holliston, Mass.

Engineer of Record: Industrial Air Emission Permitting

Prepared numerous Comprehensive Plan Approval and Limited Plan Approval permit applications for industry for permitting of emissions from industrial processes. Performed BACT analysis and prepared Restricted Emissions Status (RES) applications for industrial clients.

Licensed Site Professional: Groundwater and Contaminated Soil Investigations and Remediation

Managed numerous groundwater and contaminated soil investigations and remedial programs, including detailed design of air sparging/ soil vapor extraction systems and injection well system designs for in-situ chemical oxidation projects for remediation of chlorinated solvent and petroleum-contaminated groundwater. Served as LSP of record for numerous projects involving assessment, control, and remediation of chlorinated solvents at commercial and industrial establishments in Massachusetts. Responsible for certification of remedial projects as Licensed Site Professional for all projects in the firm's Metro-West, Mass. office.

Principal In Charge: In-Situ Chemical Oxidation Projects

Principal in Charge for over one hundred and fifty (150) in-situ chemical oxidation (ISCO) projects using modified Fenton's Reagent and Activated Persulfate chemistries for remediation of contaminated soils and groundwater, including ISCO projects performed for both industry and the Czech Environmental Ministry in the Czech Republic.

Principal In Charge: Environmental Site Assessments

Functions as principal in charge for preparation of ASTM 1527 Phase I environmental site assessments for lending institutions and sellers/purchasers of commercial properties. Performs environmental due diligence and prepares remedial cost estimates for

negotiating buy/sell agreements involving potential environmental liabilities.

Principal In Charge: Solid Waste Transfer Station

Functioned as Principal in charge and Professional Engineer of Record for Solid Waste Management Plan and EPA storm water permit and development of storm water management plan (SWP3), and Site Assignment modification for tonnage increase at an active solid waste transfer station in Central Massachusetts. Engineer of Record for Major Site Assignment Modification for a solid waste transfer station.

Technical Committee Member: Petroleum Marketers Association of America (PMAA)

Participated in technical review and comments on Draft EPA Spill Prevention Control and Countermeasure (SPCC) regulations on behalf of PMAA State Association Executives. Technical comments resulted in significant change to the Draft EPA SPCC rules.

Selected Publications

Environmental Assessment for Foreign Investors in Eastern Europe, East European Production International, winter 1992. Mr. Moran has also co-authored five professional publications concerning hazardous-waste engineering, waste treatment, and CERCLA remedial actions under the EPA Superfund Program.

"Environmental Assessment and Privatization in the Czech and Slovak Republics - Identifying Hidden Liabilities", East European Production International, 1992

"Short term Air Sparging Tests", Brian V. Moran, David G. Billo, and Andrew T. Donoghue, National Groundwater Association Symposium, Indianapolis, Indiana, 1995

"Use of Hydrogen Peroxide as Remedial Additive for Petroleum Contaminated Soils", Brian V. Moran, Peter Babaian, Charles P. Young, University of Massachusetts 14th Annual Conference on Contaminated Soils, 1998.

"Using Fenton's Reagent to deal with localized petroleum and halogenated VOC problems", Brian V. Moran, New England Real Estate Journal, April, 2000

"Hydrogen Peroxide Remediation", Brian V. Moran, the NRG Report, March, 2002.

"Norfolk Ram Group, LLC Leads the Way in Chemical Oxidation Services", the NRG Report, November, 2005

"Homeowner Oil Spill Loss Control", Brian V. Moran, the NRG Report, October, 2006.

"Understanding Emerging Issues - Help Deliver Your Project without Breaking the Bank", Green Facilities News, September, 2010

Selected Chlorinated Hydrocarbon Disposal Site Experience

MDL Corp./Hillside School, Needham MA - RTN#3-0000386 Performed indoor air sampling, designed and directed installation the first crawl-space ventilation system for vapor intrusion problem of trichloroethylene (TCE) at Hillside school (1989), designed and implemented an ISCO treatment system for chlorinated hydrocarbon remediation in "north" and "south" contaminant plumes at MDL Corp.

Puritan Cleaners, Uxbridge, MA - RTN#2-0000522 LSP and principal in charge for Phase II assessment of perchloroethylene (PCE) release at dry cleaner facility with impacts upon down gradient residential property indoor air. Project included preparation and submittal of

Tier I permit for response actions.

Selected Chlorinated Hydrocarbon Site Experience (cont.)

E&J Dry Cleaners, Medford, MA – RTN#3-0026842 LSP and principal in charge for assessment, indoor air sampling and implementation of immediate response action for PCE vapors from former dry cleaner that impacted an abutting office building and Congressional office. Designed and installed a sub slab depressurization system (SSD) which successfully controlled PCE vapors and eliminated the IRA condition.

Medway Mills, Medway, MA – RTN#2-0010500 LSP and principal in charge for assessment, remediation, AUL, and RAO of hazardous wastes including chlorinated hydrocarbons in groundwater at former footwear manufacturing facility. Prepared and assisted new owner with first "covenant-not-to-sue" application in the Commonwealth of MA which was subsequently approved by MADEP and Mass.AG Office.

Zip Copy/Quality Cleaners, Framingham, MA – RTN#3-0000318 and 3-0021277 LSP and principal in charge for Phase II assessment, Phase III Remedial Alternatives selection, implementation of ISCO remediation with modified Fenton's Reagent and installation of a sub slab depressurization system (SSDS) at former dry cleaning site. Additional work included assessment of offsite properties and imminent hazard evaluations of the offsite properties.

Former Axton-Cross Chemical Co., Holliston, MA –RTN#2-0000059 Project Manager, and LSP for Phase II investigation, design, and installation of air sparging/soil vapor extraction system for remediation of soil and groundwater releases of both chlorinated and non-chlorinated solvents at this Tier IA site. Work also included evaluation of indoor air pathways and exposure point concentrations of solvents to plant workers and assessment of potential risks.

Davis Park Condominiums, Somerville, MA RTN#3-0013686 and 3-0029133 LSP and principal in charge for supplemental Phase II (previous RAO was reopened due to revised DEP standards) indoor air sampling and assessment of potential imminent hazard conditions from vapor intrusion of chlorinated solvents at former mill complex that has been converted to multi unit residential condominiums.

Former Dry Cleaner, 1074 Main St., Waltham, MA RTN#3-0028255 Successor LSP and principal in charge for Phase II assessment and IRA of PCE release. Work included air sampling and application of ISCO (potassium permanganate oxidation) for treatment of PCE contaminated soil and groundwater.

Former Industrial Site, 1250 Main St., Waltham, MA RTN#3-0025939 LSP and principal in charge for additional Phase II assessment including evaluation of air pathway and exposure to TCE in air at a former etching facility. Prepared and submitted Class B-1 RAO for the site.