

APPENDIX H
RESUMES OF ENVIRONMENTAL PROFESSIONALS

RESUME

KEITH B. EGAN, CP

Senior Consultant

Mr. Egan provides senior technical consulting and project management expertise in the areas of brownfield redevelopment and financing, site investigation and remediation, environmental due diligence, RCRA Corrective Action, environmental regulatory compliance, and environmental chemistry.

❖ **Professional Qualifications:**

- 33 years experience in environmental evaluations and consulting, including 13 years experience with the Ohio Voluntary Action Program (VAP).
- Served as Certified Professional (CP) or principal author for 15 No Further Action (NFA) letters for redevelopment projects that received Covenant Not to Sue Status.
- Obtained approximately \$10 million in Clean Ohio Revitalization Fund (CORF) and Clean Ohio Assistance Fund (COAF) grants for redevelopment projects.
- Successfully prepared a U.S. EPA Brownfield Pilot Project grant application.
- Expert in liability management and due care planning for property transactions, brownfield redevelopment planning and environmental response actions, and identification and acquisition of financial incentives for brownfield redevelopments
- Expert at environmental site investigations and development of remediation alternatives for industrial and commercial facilities, UST sites, and RCRA Corrective Action facilities.

❖ **Representative Project Experience:**

- Successfully prepared the \$2.9 million CORF grant application for Clean Ohio funds to remediate and redevelop a former shingle manufacturing facility in Lockland, Ohio. Funds were used to demolish buildings, remediate impacted soil and install underground utilities. Managed the site investigation, remediation, and redevelopment of the property as well as CORF budgeting and invoicing. Prepared the Phase I and II Property Assessments, Remedial Action Plan, and Remedial Implementation Report.
- Served as the CP for a former asbestos-containing building material manufacturing facility. Prepared a work plan in response to deficiencies contained in a No Further Action Letter prepared by others. The plan addressed trace levels of asbestos in the soil. Recommended and monitored an air sampling plan approved by the State of Ohio. Prepared a revised Phase II Property Assessment, a Property-Specific Risk Assessment, new Executive Summary and Filing Document, and NFA letter for this COAF supported project.
- Served as the CP for a former china manufacturing facility that was redeveloped for commercial and recreational use. The site was heavily impacted with lead requiring remediation of the soil and sediments. Remediation required interagency cooperation between VAP, the Division of Surface Water, Division of Hazardous Waste Management, and the Division of Solid and Infectious Waste. Prepared the Phase I and II Property Assessments, Property-Specific Risk Assessment, Remedial Implementation Report, and the Executive Summary and Filing Document. The project received Covenant Not to Sue status.
- Project manager for the remedial investigation of five Superfund sites in Ohio, Kentucky and California.
- Project manager for underground storage tank sites obtaining No Further Action status for over 50 Ohio sites using a risk-based approach.
- Project manager for over 100 Phase I/II site assessments for due diligence related to property transfers and corporate acquisitions and divestitures in several states.

❖ **Career History:** SME since May, 2010 - Other firms from 1977

❖ **Education:** B.S., Environmental Science, University of Arkansas
Graduate Studies in Geology, University of Oklahoma

❖ **Registrations:** Certified Professional – State of Ohio VAP Program
40-Hour HAZWOPER Course



- > Served as the CP for a former scrap metal recycling facility now developed for commercial use. This site was heavily impacted with metals and petroleum hydrocarbons requiring remediation of the soil. Prepared a Property-Specific Risk Assessment, Remedial Implementation Report, and the Executive Summary and Filing Document. The project received Covenant Not to Sue status.
- > Project manager for all phases of the VAP project at a lead impacted property in Ohio. Developed a sampling strategy, provided oversight of field activities, and prepared Phase I and II Property Assessments and Remedial Implementation Reports. The project received Covenant Not to Sue status and is being transformed into a residential development.
- > Managed all phases of the VAP projects at two aircraft parts machining facilities in Cincinnati, Ohio. Project included development of the sampling strategy, oversight of field activities, and preparation of the Phase II Property Assessment and Project-Specific Risk Assessment reports. A Covenant Not to Sue was issued for both properties.
- > Managed the VAP assessment of a former linoleum manufacturing facility now developed for residential use. Project included development of the sampling strategy, oversight of field activities, and preparation of the Project-Specific Risk Assessment report. Remediation of this property was driven by residential direct contact and site-specific leaching standards. During the remediation, continually performed cumulative risk analysis and leaching modeling to assess if the current concentrations remaining at the property posed a risk to human receptors and groundwater. This approach prevented unnecessary soil remediation. A Covenant Not to Sue was issued for this property.
- > Managed the VAP activities related to redevelopment of a former paper mill. Developed the sampling strategy, provided oversight of field activities, and prepared the Phase II Property Assessment and Project-Specific Risk Assessment reports. The key to the success of this project was development of a site-specific lead leaching standard based on bench scale leachability tests, the first to be approved by OEPA. A Covenant Not to Sue was issued for this site.

Mr. Trent is a Professional Engineer, and an Environmental Professional (EP) as defined by U.S. EPA 40 CFR Part 312, Standards and Practices for All Appropriate Inquiries. Mr. Trent provides brownfield redevelopment consulting; provides environmental due diligence services related to property acquisition; supports hazardous materials surveys and building demolition projects; provides leaking underground storage tank consulting; and assists with liable party issues (e.g., tank removal, groundwater monitoring, remediation).

❖ Professional Qualifications:

- Experienced in redevelopment projects involving various environmental, geotechnical, and constructability issues. These projects involve preparing Brownfield Plans and Act 381 Work Plans to secure financing and tax credits for eligible activities; performing Phase I and II Environmental Site Assessments (ESAs); preparing Baseline Environmental Assessments (BEAs) and Due Care Plans; monitoring of on-site construction activities; and cost tracking.
- Experienced in performing subsurface assessments and remedial investigations to delineate the extent of impact, preparing feasibility studies, and assisting with the design of remediation systems and engineering or institutional controls to mitigate environmental concerns.
- Experienced in building renovation or demolition projects involving hazardous materials issues. These projects involve hazardous materials assessments, including asbestos, lead, mercury, PCBs, petroleum products, and biohazards, as well as providing recommendations for proper removal and disposal of these materials.
- Knowledgeable in Michigan Public Act 451 Part 201, Part 211, and Part 213; Act 381 (Brownfield Redevelopment Financing) and Act 146 (Obsolete Property Rehabilitation Act); EPA 40 CFR Part 763, EPA 40 CFR Part 61, OSHA 29 CFR 1910.120, and OSHA 29 CFR 1926.1101.

❖ Representative Project Experience:

- Managed U.S. EPA Brownfield Assessment Grant projects for several communities in Michigan, including the City of Lansing and City of Grand Rapids. Activities include: community outreach, community-wide brownfield site inventory; environmental site assessments; and preparation of BEAs, Due Care Plans, Cleanup Plans, and Brownfield Plans.
- Performed comprehensive brownfield redevelopment services for the redevelopment of a former coal-fired power plant in Lansing, Michigan. Work entailed reviewing decades of existing environmental files, identifying data gaps, designing and managing waste characterization and remediation activities (including U.S. EPA Brownfield Assessment and Revolving Loan Fund Grants), preparing multiple BEAs and Due Care Plans, and managing hazardous materials surveys and abatement activities.
- Prepared successful U.S. EPA Brownfield Assessment and Revolving Loan Fund Grant applications for numerous communities.
- Prepared Brownfield Plans, Act 381 Work Plans, and Brownfield MBT Credit applications for brownfield redevelopment projects.

RESUME

BRIAN S. TRENT, P.E., LEED-AP

Project Engineer

- Performed remedial investigations, feasibility studies, remediation design, and remediation oversight at several sites on behalf of the Michigan Department of Environmental and Natural Resources.
- Performed pre-demolition evaluations and demolition oversight for the demolition of approximately 25 commercial and industrial buildings within the City of Detroit, Michigan, on behalf of the Michigan Department of Environmental Quality. Work included inventory and sampling of potentially hazardous materials requiring removal prior to demolition (asbestos, lead, mercury, PCB-containing equipment and materials); preparation of demolition specifications; providing contractor bidding support; contractor management; demolition oversight; and final reporting.
- Performed over 150 Phase I ESAs, Phase II ESAs, BEAs, and Due Care Plans of residential, commercial, and industrial sites. These sites have included manufacturing facilities, gasoline filling stations, automobile repair shops, high-rise commercial buildings, and vacant urban lots. Activities included evaluating environmental issues and providing recommendations for engineering controls and/or evaluating exposure concerns.
- Conducted on-site monitoring during UST removal and remediation activities at gasoline filling stations in Michigan, including on-site soil screening, characterization, landfill coordination, verification of soil remediation (VSR) sampling, and preparation of closure reports.

- ❖ **Career History:** SME since June 2010 - Other firms from 1999
- ❖ **Education:** B.S.E., Civil and Environmental Engineering, University of Michigan (Ann Arbor, Michigan)
- ❖ **Continued Education:** ASTM International Risk-Based Corrective Action Applied at Petroleum Release Sites
ASFE Fundamentals of Professional Practice (2008)
- ❖ **Certifications:** Professional Engineer –Michigan
40-Hour HAZWOPER Course (since 1999)
Leadership in Energy and Environmental Design (LEED)
Accredited Professional (NC 2.2)
- ❖ **Affiliations:** U.S. Green Building Council-West Michigan Chapter
Air and Waste Management Association of West Michigan

