SANBORN HEAD

Endicott Vapor Intrusion Assessment and Mitigation

ENDICOTT, NY



Like many communities in the Northeast, the Village of Endicott in upstate New York, has an industrial past. This history of manufacturing resulted in the presence of certain volatile organic compounds (VOCs) in the groundwater under parts of the village. The potential for vapor intrusion (VI) of VOCs into buildings led to concerns about indoor air quality and an intensive effort to monitor the impact and mitigate its effects.

Key Components:

- Initial Vapor Intrusion Screening
- Fast-Track VI Sampling Using Portable Field Analyzers
- VI Preferential Pathway Assessments
- Sub-slab Vapor Assessment
- Indoor Air Sampling & Air Quality Assessment
- HVAC Systems Influence Assessment
- VI Mitigation Design, Construction, & Verification
- Public Outreach & Liaison

Sanborn Head was engaged to conduct vapor intrusion assessments on 14 industrial and commercial buildings located in the heart of the village's industrial campus, and to develop mitigation designs where needed.

The diverse nature of the buildings, varying in age, size, design, construction materials, condition, etc., demanded a range of strategies for assessing and mitigating vapor intrusion. In addition, the number and variety of tenants required continual attention to communication, education, and coordination.

Applying extensive technical knowledge and experience in vapor intrusion issues, Sanborn Head developed and conducted an assessment for each structure. Following the assessments, custom mitigation designs were developed for each building to ensure acceptable indoor air quality. Mitigation measures included improvements to heating, ventilation, and air conditioning systems, and installation of sub-slab depressurization systems for three buildings.

Because of our deep experience in this field, we were able to fast track designs to meet acceptable indoor air quality. All work was done with close oversight and approval of New York State regulatory authorities.

Related People

Dave Shea, PE
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