

Long Falls Paperboard – Phase II Environmental Site Assessment



Services / Expertise

EPA-Funded Brownfield Redevelopment
Vermont BRELLA
Site-Specific Quality Assurance Project Plan
Site-Specific Health and Safety Plan
Work Plan and Cost Estimate
Phase II Environmental Site Assessment
File Review
Site Investigation

Markets

State & Local Government
Regional Planning Commissions

Project Location

Brattleboro, Vermont

Date Completed

2018 -2020

Project Owner

Vermont Department of Environmental
Conservation
Town of Brattleboro, VT
Brattleboro Development Credit Corporation

Project Manager

David Abrahamson (Phase II ESA)
Lee Rosberg (Site Investigation)

Project Team

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Subconsultants

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Underground Locators, DrilEex
Environmental



The Long Falls Paperboard manufacturing facility in Brattleboro, seen from the exterior.

THE Vermont Department of Environmental Conservation (VT DEC) and the Town of Brattleboro, Vermont, contracted with Stone Environmental to perform a Phase II Environmental Site Assessment (Phase II ESA) for an active paperboard manufacturing facility that has operated since 1960. The Phase II ESA was conducted to address a dozen Recognized Environmental Conditions (RECs) identified in a Phase I ESA performed in 2018.

To support the Phase II ESA, Stone prepared a Site-Specific Quality Assurance Project Plan (SSQAPP) that was reviewed and approved by the Environmental Protection Agency (EPA). Contaminants of concern included volatile and semi-volatile organic compounds (VOCs & SVOCs), metals, dioxins, polychlorinated biphenyls (PCBs), per- and polyfluoroalkyl substances (PFAS), polynuclear aromatic hydrocarbons (PAHs) and herbicides. The investigation was performed in July and August 2019 and the Phase II ESA Report was completed on October 14, 2019.

In March 2020, Stone performed a review of all available VT DEC files related to a fuel oil release identified at the site in 1990 to identify data gaps and support remedial planning efforts. Stone presented data gaps to a stakeholder group in August and conducted a Site Investigation in December 2020 and January 2021. Investigation methods included advancing soil borings to depths up to 170 feet, installation of groundwater monitoring wells, groundwater sampling, non-aqueous phase liquid sampling, water supply sampling, subsurface soil sampling and screening, and hydraulic monitoring of the unconfined aquifer, Connecticut River, and water supply well using pressure transducers. The Site Investigation demonstrated the fuel oil is immobile in the subsurface and there is little risk to sensitive receptors. Stone recommended no further assessment of the fuel oil release and that the water supply wells be designated for non-potable process water use. The Site Investigation report was completed on March 4, 2021 with no comments received from the VT DEC.