

JAMES S. ATWELL

EDUCATION

M.S. – Civil Engineering, University of Maine 1967
B.S. – Civil Engineering, University of Maine 1965

PROFESSIONAL EXPERIENCE

Mr. Atwell has many years of experience in the field of environmental engineering, much of which is related to solid and hazardous waste management. Mr. Atwell has been with Sevee & Maher Engineers (SME) for over 25 years and currently serves as a Senior Consultant with the firm. This experience includes responsible engineer assignments on a variety of solid and hazardous waste management projects involving municipal and industrial landfills and Superfund and Superfund-type sites. This experience includes design, permitting, closure, construction management, post closure management, monitoring, gas management, and post closure landfill uses such for solar facilities.

Examples of his experience include the following:

- Mr. Atwell and SME have been providing engineering services to the City of Bath Landfill since 2000, and currently provides technical support to the City regarding leachate and landfill gas management systems, and landfill monitoring services, including the preparation of Annual Water Quality Monitoring Reports. In 2017, SME designed and obtained approval for an innovative Phase 3 design at the landfill, and provided construction management services for the project. The Phase 3 project, which was completed in 2018, included the following components:
 - The Phase 3 design increased the remaining capacity of the landfill beyond what was originally planned and has extended the life of the landfill by nearly ten years,
 - 4 acres of double-lined landfill cell, constructed as a piggyback over previously placed waste;
 - An innovative leachate collection and management system, which included a leachate sump located beneath the Phase 3 landfill cell;
 - A pumping system to pump the landfill leachate to the City sewer system;
 - Modifications to the landfill gas system to serve Phase 3 and improve the performance of the existing landfill gas collection and flaring system; and
 - Closure of 4.5 acres of the landfill which had reached final grade.
- Mr. Atwell, as Project Engineer/Project Manager, and SME have been providing engineering services to the City of Sanford at the Rushton Street Landfill for over 20 years. Previously, the project involved design and implementation of leachate management systems and closure of the Landfill. SME has provided the following services to the City:
 - Post closure support for a groundwater diversion system at the Landfill, which pumps clean groundwater around the landfill.
 - Post closure environmental monitoring, including preparation of Annual Water Quality Reports.
 - Post closure evaluations to determine the effect of landfill gas on the vegetative cover; including recommendations for measures to manage landfill gas and improve the growth of the vegetation.
 - Review of new landfill remediation technologies to determine if it is possible to improve surface water quality in the vicinity of the landfill. A technology review report was prepared and submitted to the Maine Department of Environmental Protection in 2020. and
 - Preliminary technical support for a landfill solar project, to be constructed on the Landfill, which was ultimately canceled.

- Mr. Atwell, as Project Engineer/Project Manager have been providing services to the City of Westbrook at the Sandy Hill Landfill for over 25 years. Previous services included Landfill investigations, design and permitting of Landfill closure and construction phase engineering services. SME is currently providing the following services at the Sandy Hill Landfill:
 - Coordination with MEDEP regarding assessments of landfill gas assessments at the landfill.
 - Post closure monitoring, including preparation of the Annual Water Quality Reports and other technical support related to the closed landfill.
 - Technical support and permitting related to a solar power project currently being planned at the Landfill.

AWARDS

- 2018 Maine Governor's Award for Environmental Excellence – Lifetime Achievement