

Millersville Landfill Closure

Anne Arundel County, Maryland

The Project

Anne Arundel County's closure of the 80-acre combined Cells 5, 6, and 7 at its Millersville Landfill required careful construction management and construction quality assurance (CQA) over its construction period.

Construction activities included regrading of waste, stormwater management, five sedimentation basins, rip rap down chutes, perimeter access roads, and the cap system. Cap construction was coordinated with landfill gas wells installed within the waste mass.

Stearns & Wheler's Approach

The County retained Stearns & Wheler to provide construction management and CQA services for completion of the closure cap. The scope of work included coordinating testing services (on-site and off-site for both soil and geosynthetic materials), documentation of construction activities, contract management (change orders, payment requests, progress meetings, etc.), public relations, and Maryland Department of Environment (MDE) final documentation report preparation. In addition, daily sediment control documentation was prepared for Permits and Code Enforcement (PACE). Documentation consisted of daily field reports, videotape footage, photographic logs, material sampling logs, field and laboratory testing reports, progress reports, meeting minutes, and appropriate correspondence.

Four on-site staff provided the continuity of services required by the County's strict CQA program. Strict attention to documentation details and strong organizational skills allowed for a reduced level of effort in compiling reports, responding to new issues immediately, effectively identifying potential delays or conflicts, and efficiently communicating the status of the construction progress to the County.

Stearns & Wheler Services

Construction management and CQA services, including:

- Contract Management
- Construction Documentation
- Public Relations
- Daily Sediment Control Documentation
- MDE Final Documentation Report Preparation.

Unique Features

- Two-Year Closure Construction Period
- Coordination with Landfill Gas Wells
- CQA Program Requiring Four Full-Time, On-Site Staff
- Daily Documentation for PACE

Benefits

Stearns & Wheler's coordinated and detailed construction management and construction quality assurance, combined with experienced field personnel, resulted in completion of the landfill closure construction ahead of schedule and under the engineering budget.

