

### Client

Organization of Eastern Caribbean States (OECS) Solid and Ship-generated Waste Management Project – Project Management Unit

### Project Description

As part of the OECS solid and ship generated waste management project, SENES, in association with others, was retained to undertake detailed



design, construction and supervision of sanitary landfills in St. Kitts and Nevis. The specific Terms of Reference of the assignment included: preparation of full detailed designs and contract documentation for the upgrading of existing dumps to Sanitary Landfills at Conaree (St. Kitts) and Lowground (Nevis); incorporation of a complete range of environmental mitigation measures in the design; preparation of full detailed designs and contract documentation for the proposed closure and remediation of dumpsites at Sandy Point (Roundhole) and Indian Castle; assistance to the Government of St. Kitts and Nevis in prequalification of contractors, issue of invitations to bid and in bid evaluation for physical works to be performed; and the provision of engineering supervisory services during construction of the new Sanitary landfills and decommissioning of dumpsites.

### Scope of Services

- Project management;
- Liaison with the client and all other stakeholders on the island and funding agencies;
- Design of landfills for St. Kitts and Nevis;
- Leachate analysis and prediction of the strength and quantity of leachate over the development life of the landfills;
- Design of a leachate treatment system to employ rotating biological contactors with an option to achieve nitrification;
- Design of a constructed wetland for polishing the treated leachate; and
- Formulation of project reports and design drawings.