

THE ASH YARD OF THE THERMAL POWER PLANT

BANI - PERAVIA - República Dominicana



TYPE OF PROJECT
Lining Systems - Capping

YEAR OF CONSTRUCTION
2022

CLIENT
CENTRAL
TERMoeLECTRICA PUNTA
CATALINA -CTPC

CONTRACTOR
ANTONIO P. HACHE & CO.
SAS

DESIGNER
PRIVADO

PROD. RELATED

Nonwoven Geotextiles (80000 Sqm), GCL (40000 Sqm), Polymeric Geomembranes (100000 Sqm), Drainage Geocomposites (Null)

Challenge

The Punta Catalina thermoelectric power plant is the most important electricity generator in the Dominican Republic, as it produces 30% of the country's electricity. Its source of generation is coal, and as a byproduct of this process, residue known as ASH is produced. This ash is destined for confined cells due to its high content of heavy metals, preventing environmental damage to both the subsoil and the dispersal of volatile ashes in the air.



Site of the project



Starting of installation

Solution

The creation of cells was carried out, protected with geosynthetics both at their base and in the closure, with three levels of impermeable protection to prevent the leakage or escape of volatile particles. This project is the first environmentally sound Sanitary Landfill project with high-quality standards at an international level throughout the Caribbean, recognized by internationally renowned firms. Each cell is designed to store an average of 360,000 cubic meters of ash.



During installation



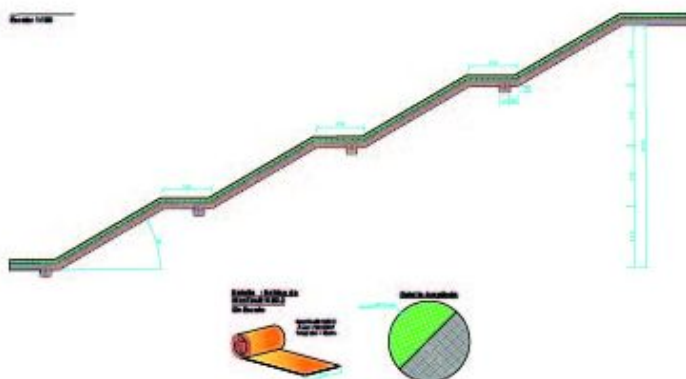
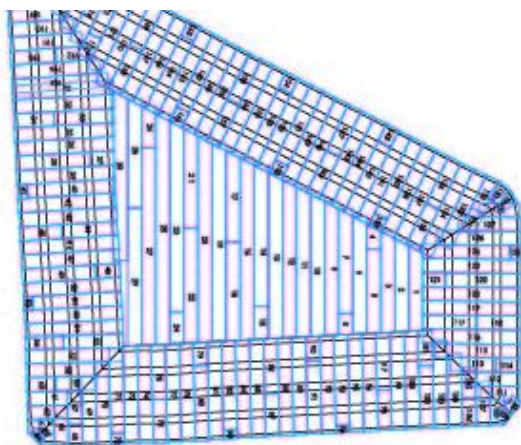
During installation - 2



During installation - 3



Installation completed



Technical Design



OPEN GOOGLE MAPS



OPEN GOOGLE EARTH