



WASTE FOR ALL
SDG

HOLISTIC WASTE
MANAGEMENT



OMAN - Muscat



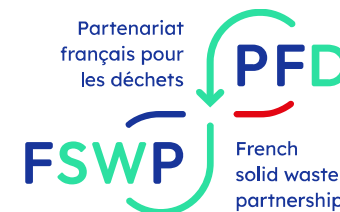
Barka Landfill

A landmark of the Omani journey from open dumpsites to 100% controlled solid waste treatment



2,500 t/day are highly compacted and readily covered with soil to reduce emissions

- Biogas is recovered; the installation of a gas engine is in planning; the capture of biogas from open cells is evaluated
- Leachate is treated; the permeate reused to cover the landfill operation needs; no discharge
- Tyres are processed in chips to fuel a nearby cement plant



CLIMATE BENEFIT:

- > Methane emissions are significantly reduced
- > Green energy from biogas about to be harnessed

CO-BENEFIT:

- > More than 1 M people benefit of an improved environment
- > Water and soil pollution from open dumps is avoided
- > Multiple use of fossil carbon: from tyres to energy



COP28
UAE