

NON-TECHNICAL SUMMARY

TA' ZWEJRA NON-HAZARDOUS WASTE MANAGEMENT FACILITY

The current application is for an integrated pollution prevention and control permit related to the operation of a non-hazardous waste management facility located at Ta' Zwejra L/O Maghtab.

The proposed project comprises the development of an engineered facility for the disposal of non-hazardous wastes generated on the Maltese Islands during a period of 18 months in an area measuring some 41,000 square metres. The estimated volume capacity is 500,000 cubic metres following the post settlement of wastes. With an 'after-compaction' density of 0.8 tonnes per cubic metre and with the current rate of waste input, the facility should accommodate 400,000 tonnes of wastes in a time frame of 18 months.

The facility will be developed in three phases consisting of 3 hydraulically independent cells. All the cells will be built as a typical, standard design fully contained engineered landfill on the basis of already developed and approved techniques through all EU Member States. Each cell will have its own leachate collection/extraction system and they will be physically connected to form an integral common base of the landfill. The facility will also be equipped with a gas extraction and utilization system; this will be connected to a central gas management facility that will be installed as part of the aerial emissions control project on the former Maghtab waste disposal site.

The engineering specifications for this facility have been derived from the results of hydrogeological, landfill gas and stability risk assessments to ensure that operations at the installation would not result in an adverse effects on the surrounding environment and thus comply with the requirements of the Waste Management (Landfill) Regulations, 2002.