



MALTA RESOURCES AUTHORITY

Issue/ page number of Ta' Zwejra non hazardous landfill IPPC application	Identification number of scale drawing or doc	MRA Comments
1/ The Installation		
1.1.8 aquifer classification, source protection zones, licensed abstractions, etc. p.5	ZW 005/04	No comments
1.1.9 local and regional groundwater flow directions with groundwater contours p.5	ZW 005/04 a	No Comments
1.1.10 Scaled cross section for each groundwater body in the direction of predicted groundwater flow with boreholes etc. p.5	ZW 005/04 c	Map indicated shows potentiometric gradient only Locations of boreholes and predicted groundwater flow depicted on drawing ZW 005a/04.
1.1.12 all the potential receptors of emissions to all environmental media (groundwater) p.5	ZW 13/04	No comments
Groundwater Management and Monitoring		
1.1.29 location of all groundwater monitoring points p.7	ZW008/04	No comments
1.1.30 Vertical cross-section showing constructional details and depths of each groundwater monitoring point p.7		Missing information Borehole's depths: MBH1- 37m ; MBH2- 71m ; MBH3- 50m ; MBH4- 15m ; MBH5- 20m ; MBH6- 57m ; Cross-section of boreholes with details attached as drawing ZW005d/04
Hydrogeological Risk Assessment		
1.2.1 first three points p. 9	Section 6.0 and 22.0 HGA	No comments
1.2.1 Have groundwater control and trigger levels been derived	Addendum section 8 (p12, 13)	Updated version of Addendum has been noted
1.2.1 Has the monitoring programme for groundwater and leachate been designed using the hydrogeological risk assessment	HGO section 22.0	Does same section as previously indicated apply? If yes further clarification is required. If no which section does? Yes, based on local and EU legislative requirements.
1.2.3 HGA	HGA	No comments
1.2.4 -1.2.8	HGA	No comments

1.2.9 Groundwater control and trigger levels for selected polluting substances	Section 22.0 HGA	Missing info Addendum Document Section 8.0
1.2.9 Locations for compliance monitoring	Section 22.0 HGA	Missing info MBH2; MBH3; MBH4; MBH5; MBH6
1.2.9 Justification for choice of environmental assessment levels for selected polluting substances	Section 20.0 HGA	No comment
2/ Regulatory Specification		
landfill containment engineering		
2.3.13 Is there a groundwater management system? <i>P. 49</i>	HGA + ZW 008/04	No comment
2.3.14 Is there a leak detection system?	HGA	The answer given in section 22.0 states that the site design does not need to incorporate a leak detection system. A leakage detection system is not an absolute pre-requisite for a non-hazardous waste landfill. Note replies to comments by MEPA of 26 April 2005 (2.3.14 page 12).
Groundwater Management and monitoring		
2.3.40 Groundwater monitoring in landfill <i>p.62</i>	SMS sect 10.0, p.51	No Comment
2.3.41 Management of groundwater levels being provided <i>p.62</i>	SMS Sect 10.0	No comment
2.3.42 groundwater monitoring plan in place for installation Monitoring locations and schedules <i>p.62</i>	Addendum	Updated version has been noted 9 monitoring points are marked on map ZW 008 yet 5 shall be used. Can it be specified which 5. MBH2; MBH3; MBH4; MBH5; MBH6
Monitoring schedules <i>p.62</i>	SMS section 10.6.2	Updated version of monitoring plan has been noted
Quality controlled procedures in the field and the laboratory for monitoring and sampling groundwater	Addendum	Cannot be found It has been agreed that all information will be provided within one month of issue of permit. All procedures quality controlled.
Rest of 2.3.42	SMS section 10.4.2, 10.5.2	No comment
2.3.43 Groundwater monitoring points	Addendum	MEPA and Wasteserv explanations noted