

Main theme	Sub - Theme	Code Number
Natural Resources	Environment	4
Study Name	Location Criteria for domestic and Hazardous Waste Disposal to Landfill in the Jordanian Badia	
Author	Odeh Muslem Al-Meshan, Badia Research and Development Centre (BRDC)	
Date of Study	2005	
Objectives	<p>This study was initiated to develop a generic methodology “ protocol” to determine landfill site selection criteria in the Jordanian Badia as a target area and measuring the applicability of these criteria to other regions in Jordan and aiming to the detailed following objectives:</p> <ol style="list-style-type: none"> 1- To review national and international legislation concerning the disposable of domestic and hazardous wastes and the risks associated with landfill disposable. 2- To review the decision – making process 3- To review international best practice and information requirements for the establishment of a set of objective criteria for landfill site suitability assessment. -4 To collect and integrate appropriate data sets within a geographical information system. 	
Output and Recommendation	Twenty-seven constraint factors and 25 sitting criteria were identified as essential for new landfill site in Jordan. The criteria were designed on three principles: (1) to meet environmental and social requirements. (2) To minimize the cost of transportation from source to the potential sites. (3) To minimize the effects on the human health and the environment.	
Development Aspects	<p>The methodology was applied in the northern Badia of Jordan with the aid of Geographic Information System (GIS) on the basis of spatial data sets obtained from the Badia Research and Development Centre (BRDC).</p> <p>This study is very useful for decision makers to relay on in determining the suitable sites to be selected for landfill in Jordan. The applicability of the criteria, which were developed in this study, has been subject to an evaluation by experts in Jordan who work with solid waste disposal issues. Inputs from these people showed good support to the criteria and the model in other areas of Jordan</p>	
Remarks	<p>A thesis submitted in partial fulfillment of the University’s Requirements for the Degree of Doctor of Philosophy (Ph.D.)</p> <p>https://nectar.northampton.ac.uk/id/eprint/2866</p>	

