

Environmental and Health Risk Assessment of Al-Akaider Landfill

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2011-11-30Original language:EnglishPDF # 1 8.66 x .37 x 5.911, .54 #File Name: 3846599638160 pages |
File size: 34.Mb

Luay Qrenawi, Hani Abu Qdais, Fayez Abdullah : Environmental and Health Risk Assessment of Al-Akaider Landfill before purchasing it in order to gage whether or not it would be worth my time, and all praised Environmental and Health Risk Assessment of Al-Akaider Landfill:

Al-Akaider landfill is one of the hot environmental spots in Northern Jordan. It is located within the boundaries of Al-Mafraq Governorate at a distance of 27 km east of Irbid City and about 1 km from the Jordanian / Syrian border. Solid waste deposition in the landfill started in 1981 and it is intended to close the landfill in 2020. The landfill receives

MSW with a quantity of 700 tones/day. Industrial wastewater from slaughterhouses, dairy industry, dyeing industry and chicken sludge are being disposed at special evaporation ponds at the site. The objectives of the study are to review the situation of the current landfilling practices at Al-Akaider landfill, identify and assess the environmental and health risks associated with Al-Akaider landfill and to recommend management options to minimize such risks. The work throughout this study is divided into two major categories; risk assessment of industrial wastewater ponds and leachate at Al-Akaider landfill site and risk assessment of gaseous emissions released from the landfill and their impacts on the neighboring communities and the surrounding environment.

About the Author Mr. Qrenawi obtained his B SC degree in Civil Engineering from Islamic University of Gaza in 2002. In 2004 he joined Environmental and Water Resources Engineering Dept at the Jordan University of Science and technology where he botained his master degree in 2006. Currently he works as a lecturer at the University College of Applied Sciences - Gaza