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## Hazardous waste management in Kuwait Oil Company

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Kuwait Oil Company (KOC) is amongst the frontrunner companies in Oil & Gas sector in Kuwait on management of environment for Hazardous Waste Management and soil remediation. KOC WK has been making sustained efforts to maintain the Kuwaiti Environment/ Eco-System Clean and healthy. It has been extremely careful that its Operations do not adversely affect the surrounding environment and aims at developing and sustaining the natural Ecosystem within its Operational Areas.

KOC has developed the Waste Management Procedure (KOC.EV.008) for management of waste, and its Assets and Directorates are following the same. The KOC Assets are utilizing the services of contractors to manage the Hazardous waste generated within their operational areas. These contractors are responsible to provide Bins outside the Facilities for segregated storage of waste. Occasionally the contractor lifts the hazardous waste directly from the source of generation. The waste is then stored/treated at the waste processing Area managed by the waste management contractor.

Following methods are generally adopted for treatment of Hazardous waste:

1. Bioremediation is carried out for oily contaminated soil and sludge. Thereafter, it is sent for landfill, after it meets the Kuwait EPA Specifications.
2. Solidification of Liquid Hazardous Waste is done using Gatch, and thereafter it is sent for final disposal to solid waste Reception and Treatment Facility (Outside KOC)
3. Used/contaminated Oil is sent to weathered crude recover plant within KOC.
4. Hazardous wastes are either sent to a suitable buyer/recycler, or disposed as hazardous waste.

The Solid and Hazardous waste management is in line with many other KOC previous and future environmental projects which help to maintain and protect Kuwaiti Environment from any adverse impacts resulting from Oil & Gas Exploration and Production activities, Viz Oasis Project in West Kuwait.



## Biography

Kholood Yousef, Educational Background : Bachelor of Science in Chemical Engineering, Kuwait University, Kuwait, Chemical Engineering, her Work Experience with Kuwait Oil Company (KOC) for past 17 years (2002 to 2019) in providing comprehensive solutions to environmental, Health & Safety and sustainability issues for the company. Health, Safety and Environment (HSE group), KOC. SENIOR ENVIRONMENTAL ENGINEER, Kuwait Oil Company, Kuwait, 2008 – Present.