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Report

DATE : 29/01/2003

NO. : 5221/064/14898/2003

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NAME :

MESSRS. EUROWASTE S.A.R.L
BEIRUT - LEBANON

REFERENCE : Your letter dated 15/01/2003

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RECEIVED AS :

"Sorbent material"

RECEIVED ON :
16/01/2003

Results

CHEMICAL ANALYSIS

On the 15th of January, 2003, we received at the Industrial Research Institute Laboratories a sample of sorbent material (identified by you as "Recoverit") in order to check its capability of adsorbing oils and other hydrocarbons spilled in sand, stones and water.

Analysis and results

Test 1: Contaminated sand and rocks

Two kilograms of mixed sand and stones contaminated with fuel oil were mixed with 100 g of the sorbent material for 15 minutes. Water at 35°C (2.5 liters) was added and mixed for another 15 minutes. Floating material was skimmed with a sieve. Sand mixture, remaining water and the skimmed material (weighed 321 g on air dried basis) were tested for oil and grease content. Remaining water was also tested for Biochemical Oxygen Demand (BOD₅).

The results were found as follows:

<u>IRI</u> <u>Code No:</u>		<u>Sand mixture</u>	<u>Water</u>	<u>Skimmed material</u> <u>(on air dried basis)</u>
281 - 1	Oil and grease (before treatment)	7.70 g/kg	< 0.1 mg/l	< 0.1 mg/l
281 - 1	Oil and grease (after treatment)	291 mg/kg	3 mg/l	20 g/kg
267 - 7	BOD ₅ , as O		18 mg/l	-

SAH/gb



N. Khoury

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