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BLACKDOG INTERPRETIVE REPORT

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October 2011

This report has been submitted to the Environmental Health Service following data collection and monitoring of the former Blackdog Landfill and the Blackdog Beach commencing June 2009. This work has been carried out in accordance with the Assessment Action detailed in the Remediation Statement agreed on 26th March 2010 under Part IIA of the Environmental Protection Act 1990.

This Service welcomes the completion and interpretation of a large data set and is broadly in agreement with the findings. However it is to be noted that the circumstances of these two sites are complex and that this Service is of the view that whilst some of the conclusions do require more detailed substantiation there is little merit in protracting what has already been an extensive data collection exercise.

Since the completion of the first draft of the report the Environmental Health Service has carried out a brief investigation of hydrocarbons within the upper Blackdog Beach sands. The collated data from this investigation is provided in the document entitled *FM0620 Collated Data (November 2011)*. Significant amounts of free phase hydrocarbon are recorded intermittently at one location close to MHWS.

This Service concludes that in addition to the previously documented acute episodic release of hydrocarbons to the Water Environment with a frequency of the order of a year there is a chronic discharge of free phase to the Water Environment with a frequency of the order of a week as free phase hydrocarbons migrate through the upper beach and disperse in the Water Environment. The impact of this latter discharge to ground and coastal waters cannot be directly observed nor can the impact be directly measured by current techniques.

The next priority is seen to be a detailed remedial options appraisal. This is being prepared and will be reviewed, alongside the requirement for ongoing monitoring of the Blackdog Beach and Blackdog Landfill, by this Service in mid January 2012.

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