

Electricity Supply Board
 One Dublin Airport Central
 Dublin Airport
 Cloughran
 Co. Dublin

05 May 2020

Our Reference
 PR-427640

Preliminary Site Assessment - Site 68 Francis Street – Inchicore 110 kV

AECOM Ireland Limited (AECOM) completed a Preliminary Site Assessment (PSA) of a cable fluid leak on a 110 kV underground electrical cable running from Francis Street to Inchicore in Dublin City on behalf of Electricity Supply Board (ESB). The location of the leak is on Davitt Road, Drimnagh, Dublin 12. The PSA report was issued on 05 May 2020 (Report Ref. PR-427640_ACM_RP_ENV_063_1). AECOM understand that ESB has undertaken these works on behalf of ESB Networks.

It is estimated that 1,000 litres of cable fluid was released between August and November 1993. It is assumed, based on information provided to AECOM by ESB, that the fluid lost was a mixture of LAB and mineral oil based products. Due to its high biodegradability, lower volatility and low solubility, it is considered that LABs are of less concern for adverse environmental impact than mineral oil based products. Given that there is potential for a mixture of both types of cable fluids to have been used at this site, potential contaminants of concern have been identified.

A summary of the source audit findings is as follows:

Table A Area of Potential Environmental Concern

Number	APEC	Potential Contaminants of Concern	Potential Media Impacted
1	Leak at (68) Francis Street – Inchicore 110 kV (August – November 1993)	LABs TPH BTEX VOCs SVOCs PCBs	Soil Groundwater Soil Vapour Ground Gas

The preliminary CSM developed for the site looked at potential source-pathway-receptor linkages identified during the assessment works and risks associated with potential source-pathway-receptor linkages were considered to be low. Based on these findings, further assessment is not considered to be required as no viable SPR linkages have been identified.

Yours sincerely,

██████████
Associate Director
AECOM Ireland Limited
T: +353 (0)1 238 3100
E: ██████████@aecom.com