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One Dublin Airport Central,  
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25<sup>th</sup> June 2020

Verde Ref: 52458

**RE: Recommended Scope of Work following completion of a Preliminary Site Assessment Report for Marina  
Commercial Park, Centre Park Road, Cork  
ESB Site Ref: 27 Marina – Trabeg Two 110kV**

To Whom it May Concern,

Verde Environmental Consultants (Verde) have prepared this letter to provide detail in relation to future site investigations and risk assessments proposed for the above site. These proposals follow on from the completion of a Preliminary Site Assessment (PSA) report which identified potential environmental impacts associated with a cable fluid leak from a power cable at the Marina Commercial Park, Centre Park Road, Cork (ESB Ref: 27 Marina – Trabeg Two 110kV) in Verde's updated report dated 6<sup>th</sup> March 2020.

As you are aware, the March 2020 PSA report was completed in response to an ESB electricity cable fluid leak, predominantly comprising of linear alkyl benzenes (LAB) mixed with Mineral Oil (MO) with an estimated loss of 773 litres (l) released from the leak point in November 2012. The leak is reported to have occurred on the morning of 22<sup>nd</sup> in November 2012 and was repaired later the same day, after immediate containment, patching, and recovery works in November 2012. The known leak point (ESB Ref: 27) is located approximately 15m north of the Centre Park Road, within the confines of the Marina ESB Generation Facility in the Marina Commercial Park. The ESB Marina facility is an EPA IPPC-Licensed site (ID: P0578-03) and this leak point falls within the boundary of the licensed facility. An environmental incident report completed at the time of the incident, associated with the ESB's Marina Generation Station, states that the leak occurred as a result of a digger-strike on the cable during excavation works. The leaked fluid was reportedly contained within the concrete trench of the cable route and subsequently pumped out to barrels for appropriate disposal. During the works, additional "top-up fluid" was added to the cable route to maintain the cable functionality; the quantity of this added fluid is not known but any fluid that was released from the leak point during works was captured and pumped to recovery barrels for disposal. The EPA was notified of the leak event at the time



and, following the containment and remediation actions of ESB, no further queries or clarification were submitted by the agency.

At the time of reporting, Irish Water have examined all available drinking water quality sample data and have concluded that there is no evidence that COPCs from the leak site have infiltrated the local drinking water supply. This evaluation is based on a review of all samples taken from customer-points, between 2014 and 2019; which showed no evidence that the COPCs (PAHs and Benzenes) were present in the water supply at levels above drinking water standards (PAHs: 0.1µg/L; Benzene: 1.0µg/L). These results (which are from samples taken at the customer tap) would not indicate that leaks from oil filled cables have contaminated the drinking water supply for these areas, or at least to an extent where any contamination arising has resulted in a breach of the parametric value for PAHs and Benzene.

Based on the findings of the site walkover and desk study, consideration of the known cable leak points, identification of contaminants of potential concern (COPC) and their likely fate and transport, a conceptual site model (CSM) was developed. The findings identified that the risk for all of the assessed potential pollutant linkages was considered to be low and identified no potential pollutant linkages requiring further investigation.

Following the completion of the Preliminary Site Assessment at the site; all potential risks have been categorised as low, with regard to contaminated land. As such, it is not deemed necessary to carry out intrusive ground investigation works.

Yours sincerely,

  
**Senior Environmental Consultant**

  
**Project Director**