

## **International Paint Limited**

Foreshore Sediment Remediation | The Former International Paint Limited Newton Ferrers Site

## Target Remediation Area Supporting Narrative

Remediation is proposed to remove impacted sediment from the foreshore of the former International Paint Limited site in Newton Ferrers (the Site). A Remediation Strategy Sounding Board meeting was held in June 2023 to seek initial feedback on the proposed remediation strategy from community stakeholder representatives. Figure 1 and this Supporting Narrative have been prepared in response to discussions at the Sounding Board meeting. Broader community engagement is planned for later in 2023.

In December 2022 and February 2023 sediment samples were collected from the Site for independent laboratory analysis. The sampling was primarily conducted to assess tributyltin (TBT) and associated impacts in foreshore sediments. The subsequent sampling results were used to define the target remediation area. The laboratory results confirmed that TBT is the main compound of interest in foreshore sediment at the Site, and that other associated compounds, including inorganic mercury, are present generally within the same area as TBT.

Figure 1 presents the December 2022 and February 2023 TBT concentrations in milligrams per kilogram (mg/kg) and the target remediation area. A total of 92 samples were collected from 59 locations, including 4 duplicate and 2 repeat samples. The samples were collected across an approximate area of 4,450 square metres (m<sup>2</sup>). Shallow samples were collected from the upper 0.2 metres (m) of sediment at all locations, deeper samples were collected from sediment up to 0.6 m at a subset of locations.

Based on the sampling results, it is estimated that the foreshore sediment close to the Site contains approximately 2 kilogrammes (kg) of TBT. Within the target remediation area, approximately 300 cubic metres (m<sup>3</sup>) of sediment will be removed across an estimated area of 1,500 m<sup>2</sup>. Sediment with TBT concentrations greater than 1 mg/kg will be removed. This will reduce the mass of TBT-impacted sediment associated with the Site foreshore by more than 90%.

Some TBT will remain beneath the Site foreshore (estimated to be less than 0.15 kg, with an average TBT concentration of 0.1 mg/kg). For reference, sediment with TBT concentrations up to 0.1 mg/kg typically receive regulatory approval from the Marine Management Organisation (MMO) for disposal at sea and is therefore allowed to remain within the marine environment. The TBT remaining in the Site foreshore sediment after remediation will naturally biodegrade, as it does elsewhere in the estuary and other marine environments.

If you have any questions about the results presented in Figure 1 or the proposed remediation activities, please contact <u>Newton.Ferrers@AkzoNobel.com</u>.