Scope of Works
The soil remediation works will comprise the excavation, segregation, characterisation and sorting of soils into three material categories.

1. **Material Suitable for Reuse** following sorting, screening and crushing (no other treatment).

2. **Materials Requiring Treatment by Ex-situ Soil Solidification and Stabilisation (S&S)**.

3. **Landfilling**. It is likely that a small volume of material may not be appropriate for on-site treatment. This is likely to be material such as the viscous tars often encountered in the base of tanks. Given the nature of material that can be treated by S&S, based on site investigation works the volume requiring off-site disposal is interpreted to be minimal.

Material Preparation and Treatment
The materials will be prepared for reuse and/or treatment using a combination of traditional segregation, screening and crushing plant and Sirius’s MUST unit (Mobile Unit Soil Treatment).

The latter will be used on the more contaminated soils and will enable Sirius to manage health and safety issues by limiting the impact on existing site occupiers and surrounding perimeter receptors.

The plant is designed for treating soils in an urban environment, with any addition of additives and binding agents (eg. for the S&S element of treatment) and the crushing, homogenisation and mixing of materials occurring in an enclosed environment. This reduces the potential for health and safety incidents and disruption and nuisance concerns associated with vapour, dust and noise generation.

The plant would be operated by Sirius staff through the deployment of an Environmental Permit.
Stockpile Management

Excavated and treated material will be placed in stockpiles. Stockpiles will contain up to 500 m$^3$ of material (~4 m in height).

Water Treatment

Treatment of contained groundwater within structures will also be required. Groundwater will be stored in temporary storage tanks. These will be bunded and located away from surface water drainage, where possible. The treatment system will comprise a separator, sand filter and two in-line activated carbon vessels.

Duration

It is anticipated that the remediation works on site will take 10 – 14 weeks to complete.