4 PROPOSED TREATMENT

4.1 Treatment Area

Given the size of the area and the mobility of plant, the mobile plant will move to each stockpile area to minimise haulage and dust generation. The areas within which the mobile plant will work are outlined blue on Drawing 2 and reproduced below.

4.2 Remediation

4.2.1 Contaminant Removal

The remediation will utilise conventional plant and technologies to wash, separate, screen and crush the wastes to separate and remove the identified contaminants enabling waste recovery and land regeneration.

Washing will be achieved using a specialised adapted log wash that will separate the finer contaminants from the coarse granular materials. Water for the wash will be abstracted from the on-site drainage system. Once the wash water has separated the contaminants and the silt / sand has been density separated, the eluate will be returned to the Tata Steel Effluent Treatment System. The solid fine fraction will be utilsied in the stabilisiation and solidification of problematioc sludges in other parts of the Llanwern site.

Separation of metals and other anthroprogenic contaminats will be achieved using a screen and crusher fitted with magnets and also manual separation, as required.

These remedial activities will involve the use of proprietary mobile plant supported by front loading shovels and 20T excavators.

4.2.2 Production of Aggregates under Quality Control

As set out in the mobile plant permit, any processed materials will continue to be waste until they meet an end of waste test. Therefore, following removal of contaminants, DLS intends