Imported Inert Restoration Materials

The volume of restoration materials required to produce the restoration levels and landform illustrated on the Concept Restoration Plans for the Original Scheme (CD5.11) and Amended Scheme (CD15.23) (which is in substance the same for both schemes) is: 1,095,000m^3.

The materials required to achieve the restoration scheme being obtained from:

- On site soils and overburden (1.2m profile) 309,800m^3
- Silt waste materials generated from on-site materials 185,200m^3
- Imported inert material 600,000m^3
- TOTAL: 1,095,000m^3

With respect to the sequential placement of imported inert materials, the following materials are required to achieve restoration formation levels within each phase.

Table I.1 – Imported Inert Restoration Materials Requirement Per Phase

Phase	**Required Imported Inert Materials Per Phase(m^3)**
Initial Works	0
Phase 1	50,000m^3
Phase 2	109,500m^3
Phase 3	38,850m^3
Phase 4	236,700m^3
Phase 5	76,950m^3
Final Works (Plant Site)	28,000m^3
Total	**600,000m^3**

Table I.2, below, highlights the sequential placement of imported inert materials throughout the operational period of the proposed development.

Table I.2 – Phased / Progressive Importation and Placement of Inert Materials for Restoration Purposes

Phase	**No. of Years**	**Volume of Imported Inert Materials (m^3)**	**Progressive Placement Inert Fill to create Restoration Formation Levels**
Initial Works	Year 1	No importation for 12 months	
Initial Works / Phase 1	Year 2	60,000	50,000m^3 placed within Phase 1 10,000m^3 placed as stocked material adjacent to the conveyor (for progressive restoration of Phase 2 restoration)
Phase 2	Year 3	60,000	60,000m^3 to restore Phase 2
Phase 2 / 3	Year 4	60,000	39,500m^3 to restore Phase 2 20,500m^3 to restore Phase 3
Phase 3 / 4	Year 5	60,000	18,350m^3 to restore Phase 3 41,650m^3 to restore Phase 4

Phase 4	Year 6	60,000	60,000 to restore Phase 4
Phase 4	Year 7	60,000	60,000 to restore Phase 4
Phase 4	Year 8	60,000	60,000 to restore Phase 4
Phase 4 / 5	Year 9	60,000	15,050m^3 to restore Phase 4 44,950m^3 to restore Phase 5
Phase 5	Year 10	60,000	60,000m^3 to restore Phase 5
Phase 5 / Final Works (Plant Site)	Year 11	60,000	32,000m^3 to restore Phase 5 28,000m^3 to restore Plant Site
Totals	**11.0**	**600,000m^3**	**600,000m^3**

Note. Prior to the commencement of quarry operations, an Environmental Permit for Importation will be applied for and secured to allow for the sequential mineral extraction and subsequent placement of inert fill to help achieve restoration formation levels. During this period, initial works will commence to establish the access, plant site void and associated works, including timescales associated with the ordering and erection of plant equipment within the void.