10:50 shop

8.0 DUST MANAGEMENT

8.1 The table below presents an assessment of dust effects in accordance with the guidance contained in the IAQM Guidance on the Assessment of Mineral Dust Impacts for Planning.

Table 15. Summary of Dust Effects

Receptor	Location Relative to Dust Source	Worst Case Residual Source Emissions	Pathway Effectiveness	Dust Impact Risk	Receptor Sensitivity	Magnitude of Dust Effect	Magnitude of Dust Effect Mitigation Methods in Place
Bourbles Farm	20m NE of Phase 4	Medium	Highly Effective	Medium Risk	High	Moderate Adverse Effect	Negligible Effect
Crossing Cottage	150m E of Phase 3	Medium	Highly Effective	Medium Risk	High	Moderate Adverse Effect	Negligible Effect
Greenacres	122m S of Phase 3	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect
Lyndale Farm	162m S of Phase 3	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect
Hillfield House/ Pointer Farm	140m E of Site Access	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect
The Beeches	133m W of Site Access	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect
Ourome	15m W of Phase 4	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect
Red Lea	30m E of Phase 1	Medium	Highly Effective	Medium Risk	High	Moderate Adverse Effect	Negligible Effect
Woodlands	20m N of Phase 1	Medium	Highly Effective	Medium Risk	High	Moderate Adverse Effect	Negligible Effect
Whinmore Fold	90m W of Phase 1	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect
Old Nickson's Cottage	135m S of Phase 1	Medium	Moderately Effective	Low Risk	High	Slight Adverse Effect	Negligible Effect

Receptor	Location Relative to Dust Source	Worst Case Residual Source Emissions	Pathway Effectiveness	Dust Impact Risk	Receptor Sensitivity	Magnitude of Dust Effect	Magnitude of Dust Effect Mitigation Methods in Place
Mytax/New England Cottage	70m W of Phase 3	Medium	Highly Effective	Medium Risk	High	Moderate Adverse Effect	Negligible Effect

8.2 The above table details the potential impacts of the assessed receptors in a worst-case scenario – where the quarry is operating at its maximum capability, at the closest possible point to each receptor. Due to the phased operation of the workings, the amount time site operations will be at the closest approach to each receptor will be minimal.

8.3 As shown above, the impact on air quality from potential dust emissions is expected to

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