

Appendix 5- Dust Risk Assessment



Source-Pathway-Receptor			Risk Management Techniques	Assessing the Risk		
Source of Dust	Receptor	Pathway		Likelihood of Exposure	Consequence of Exposure	Overall Risk
Aggregate / Sand (Product) Stockpiles	Atmosphere	Airborne emissions, water runoff from dust suppression.	<p>The size of all stockpiles on site will be carefully monitored to ensure they do not exceed the proposed limits within the Working Plan (July 2023).</p> <p>Daily monitoring/review of the stockpiles will be undertaken to ensure no dust nuisance is being generated. Stockpile sizes to be adjusted as necessary to avoid dust nuisance.</p> <p>Water suppression to be employed on site for dampening down of material stockpiles during times of dry weather / high winds. Scales detailed within DMP to be adhered to.</p> <p>Water runoff to be captured in the surface water capture system covering the site and diverted to Thompsons licensed Discharge Point.</p>	Low	Low	Low
	Local stakeholders / residents					
	Surface Water					
Incoming Materials (Waste soils) Storage	Atmosphere	Airborne emissions.	<p>The size of all stockpiles on site will be carefully monitored to ensure they do not exceed the proposed limits within the Working Plan (July 2023).</p> <p>Daily monitoring/review of the stockpiles will be undertaken to ensure no dust nuisance is being generated. Stockpile sizes to be adjusted as necessary to avoid dust nuisance.</p>	Medium	Low	Low

	Local stakeholders / residents		<p>Water suppression to be employed on site for dampening down of material stockpiles during times of dry weather / high winds. Scales detailed within DMP to be adhered to.</p> <p>Stockpile to be maintained in the base of the quarry to limit exposure to wind to reduce airborne emissions.</p>			
Waste Transfer Station Processing Buildings	Atmosphere	Airborne emissions, water runoff from dust suppression.	<p>The size of all stockpiles on site will be carefully monitored to ensure they do not exceed the proposed limits within the Working Plan (July 2023).</p> <p>Daily monitoring/review of the stockpiles will be undertaken to ensure no dust nuisance is being generated. Stockpile sizes to be adjusted as necessary to avoid dust nuisance.</p> <p>Material within shed to be maintained in segregation bays which will reduce size. When not in use, roller doors to be closed to prevent dust generation.</p> <p>Water runoff to be captured in the surface water capture system covering the footprint of the Waste Transfer building. Runoff will be diverted to Thompsons licensed Discharge Point.</p>	Low	Low	Low
	Local stakeholders / residents					
	Surface Water					
Working Area-Crushing Operations	Atmosphere	Airborne emissions, water runoff from dust suppression.	<p>The size of all stockpiles on site will be carefully monitored to ensure they do not exceed the proposed limits within the Working Plan (July 2023).</p> <p>Daily monitoring/review of the crushing operation to be maintained by Crusher/Screening operator. Control limits</p>	Low	Low	Low

	Local stakeholders / residents		within DMP to be adhered to. Crusher/Screeners has built in hoses for dust suppression minimising dust generation during operation. Also results in product stockpiles being dampened down as they are produced.			
Mobile Plant and Site Traffic	Atmosphere	Airborne emissions, water runoff from dust suppression.	Water suppression by way of a tractor and bowser routinely dampens down site roads during dry / windy weather to mitigate dust generation.	Medium	Low	Low
	Local stakeholders / residents		Daily monitoring/review of the internal site roads to ensure dust suppression measures adequate.			
	Surface Water		Traffic leaving site is required to do so through the wheel wash removing any additional build up of material to prevent it being tracked onto the public highway.			
Site Haul Roads / Public Highway	Atmosphere	Airborne emissions, water runoff from dust suppression.	Traffic leaving site is required to do so through the wheel wash removing any additional build up of material to prevent it being tracked onto the public highway.	Medium	Low	Low
	Local stakeholders / residents		All surface water generated from wheelwash / dust suppression captured by the surface drainage system and re-directed to Thompsons licensed Discharge Point.			
	Surface Water					