

## EF01 – Risk Assessment (Example)

Activity/task/operation ... Asphalt Production ..... Date ..... dd/mm/yyyy .....

Location/area ..... Coating Plant ..... Assessed by ..... Manager .....

Environmental aspect/impact	Current control measures	Normal conditions Operational risk (with control measures)			Abnormal conditions Operational risk			Emergency conditions Operational risk		
		P	S	P x S x LBM	P	S	P x S x LBM	P	S	P x S x LBM
Dust	Dust suppression	2	2	4	1	2	2	1	2	2
Noise	Site perimeter bund; Noise suppression on mobile plant engines; White noise reversing alarms; Fixed plant enclosed	1	1	2	2	3	12	1	3	6
Vibration	None required, little or no appreciable vibration caused by plant operation	1	1	1	1	1	1	1	1	1

**P = Probability**

1. Insignificant risk of impact occurring
2. Low risk – improbable
3. Moderate risk – likely to happen
4. High risk – certain to happen

**S = Severity**

1. Very minor
2. Limited environmental impact/insignificant
3. Moderate environmental impact; may be reportable
4. Major – potentially major environmental impact

**LBM = Legal Breach Multiplier**

1. No environmental legislation relevant to this issue
2. Potential for environmental legislation breach if control measures fail



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Gaseous emissions	Bag house regularly checked and maintained; Daily stack emission visual inspections	1	2	6	1	2	4	1	3	6
Traffic	Operating hours restricted mainly to daytime working; Speed limit of 20mph for quarry traffic out-of-hours working (19:00-06:00)	2	2	4	1	3	6	1	3	6
Visual impact	Site perimeter bund; Trees planted to side with neighbouring properties	1	2	2	1	1	1	1	2	2

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Site tidiness	Daily inspections; Weekly schedule housekeeping regime	3	1	3	2	1	2	2	1	2
Vegetation management	Landscaping contractor maintains to planned schedule	2	1	2	1	1	1	1	1	1
Fuel and chemical storage	Bunded tanks with >110% capacity; Filling couplings and dispensing pipework stored within bund; Daily inspections	2	2	8	2	2	8	1	4	8

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Water and liquid waste management	Water catchment into lagoon with oil separator	2	2	4	1	2	2	1	3	6
Solid waste management	Waste types segregated into separate skips; Waste asphalt tipped in recycling area for reprocessing	2	1	4	1	1	2	1	1	2
Biodiversity and ecological maintenance	Plant enclosed and doors to be kept closed to prevent local wildlife from nesting; Bird boxes at boundary provide alternative habitat	1	2	2	1	2	4	1	1	1

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