























•	• Soiling rate and dust coverage measured with DustScan method					
	Source Signification	nce	%EAC/week	%AAC/week		
	Very low	0	<2.5	<80		
	Low	1	2.5-5	80-95		
	Medium	2	5-15	95-99		
	High	3	15-25	99-100		
	Very High	4	>25	100 for 45°		
Re	ef: Datson, H., Birch, W.J onitoring", Environmental	. (2006), "The developm Monitoring and Assessr	ent of a novel method for nent, Vol.124(1-3), pp.30	r directional dust 1-308	13	







Measurement – Sample Analysis				
Particle Category	Morphology / Elemental Composition	Í		
Unburnt Coal	Mainly organic, sulphur and chlorine may also be detected by EDXA Angular appearance with conchoidal fractures	t		
Partially combusted	Negligible presence of elements detected by EDXA			
Sand	Silicon rich particles with either amorphous or crystalline	e		
Amorphous dirt	Irregularly shaped particles, containing aluminium, silicon calcium potassium and trop in varying proportions	,		
Fly Ash	Spherical in shape, usually containing combinations of silicon aluminium potassium calcium iron and titanium	f		
Plant/Animal	Organic fragments, often of uniform or regular structure recognisable as having originated from insects or plants	,		
Limestone	Calcium detected as the major element			
Iron Oxide	Iron detected as the major element			
Source: TES Bretby		17		















