

APPENDIX 11

RECORD OF NOISE AND VIBRATION ASSESSMENT

Manufacturer:	SPE
Type:	Scarifier
Model No.	BEF275-2 Electric
Operation :	Concrete floor surface
Inserted Tool:	TCT cutters
Running Conditions:	2910 rpm
HAV Note:	Acoustic Associates

HAND-ARM VIBRATION

Frequency Weighted Energy Equivalent Accelerations ($a_{h,w}$)

Measurement Position	Acceleration (m/s^2)			
	X axis	Y axis	Z axis	Vector Sum
Handle	1.50	9.23	2.20	9.58

NOISE LEVELS

Sound Power Level (L_{WA})

L_{WA} at Octave Band Centre Frequency (Hz)								Sound Power Level L_{WA}
63	125	250	500	1000	2000	4000	8000	
56.5	76.4	84.4	88.2	92.8	93.2	91.9	88.9	98.6

Operator's Ear

$L_{Aeq,T}$ at Octave Band Centre Frequency (Hz)								Overall Level ($L_{Aeq,T}$)	L_{Peak} dB(C)
63	125	250	500	1000	2000	4000	8000		
37.2	61.9	69	76.7	80.3	76.9	74.5	67.3	83.9	99.4

