

APPENDIX D.5.4 - ELECTRICAL SUB STATION NOISE ASSESSMENT

Job Number: JAL 5201
Client: AWE Aldermaston
Receptor: Aldermaston Manor House Hotel
Date: 03-Nov-09
Consultant: DG
QA: RM/TAD

Sound Power Level at Electrical Sub Station (assuming 58 dB(A) @ 0.3 m)

Segment ID	Segment Name	dB (A)	Octave bands with mid frequency in Hz						Distance to receptor (m)	
			63	125	250	500	1 k	2 k		4 k
D=1	Side 1	56		42	46	49	52	50		380

Specific Noise Level at Receptor (Calculated using ISO 9613:1996 [*1])

Segment ID	Segment Name	dB (A)	Octave bands with mid frequency in Hz							
			63	125	250	500	1 k	2 k	4 k	8 k
D=1	Side 1	0	0	0	0	0	0	0	0	0

Background Noise Creep Assessment

	Daytime	Nighttime
Specific Noise Level (dBA)	0	0
Background (dBA)	38	36
Specific minus Background (dB)	-38	-36

[*1] - International Organization for Standardization (ISO) (1996). ISO 9613: Acoustics – Attenuation of sound during propagation outdoors. ISO Switzerland.