

ANNEX

Status: EU Directives are being published on this site to aid cross referencing from UK legislation. After IP completion day (31 December 2020 11pm) no further amendments will be applied to this version.

Appendix H

Database for industrial source

This appendix presents a few examples for input values for some industrial noise sources that may be used to calculate industrial noise following the method described in 2.4 Industrial noise. As industrial noise sources are extremely specific for each industrial site, appropriate values are obtained from local, national or international databases or measurements as appropriate.

TABLE H-1

Coefficients L_W , $L_{W'}$ and $\Delta L_{W,dir,xyz}(x, y, z)$ for sound power

$\Delta L_{W,dir,xyz}(x, y, z)=0$

L_W is expressed as sound power per metre for line source, or per squared metre for area source.

Description of source	Type of source	Source directivity	$\Delta L_{W,dir,xyz}(x, y, z)$							
			63	125	250	500	1 000	2 000	4 000	8 000
Grit blasting outside with nozzle	Point Source	Free Field	108,77	110,37	112,77	107,77	104,37	98,07	97,07	86,97
Rotary kiln	Line Source	Free Field	79,27	84,17	86,67	89,27	93,07	93,47	92,07	87,77
Ship yard	Area Source	Hemi Spherical	65,77	69,07	74,57	62,17	63,97	66,77	70,97	68,07
Gas terminal	Area Source	Hemi Spherical	74,77	70,07	65,57	64,17	59,97	57,77	51,97	56,07