

Spalding AD site Noise Emitters Table

	Number in site layout plan	Sound level at source in dB(A)	Source	Sound level in dB(A) at 10 m distance	Sound level in dB(A) at 200 m distance	Remarks
Material Handling area: Walking floor	20	90	Measured by expert	62	32	Positioned inside the building, will operate every 15-20 minutes. Additional noise reduction created by building has not been taken into account.
Material Handling area: Mixing tank	20	85	Measured by expert	57	27	Positioned inside the building, will operate every 15-20 minutes. Additional noise reduction created by building has not been taken into account.
Blower gas-tight cover tanks	1+2	61 at 1 m distance	Supplier	41	11	Mounted at the wall of the digester and liquid residues storage tank (number 1 & 2)
CHP	19		Supplier	65	35	Positioned inside a container
Gas Flare	6	105	Measured by expert	77	47	Only working when CHP and/or Gasupgrading are not working due to aintenenace/emergency situations
Gas upgrading system	11		Supplier	55	25	Positioned inside a container
JCB Loader				75	44	Only loading 2-3 hours a day, majority of loading is inside the building. Not working during evening or night time period (18:00-7:00)

Remarks

NO mitigation effect caused by the buildings on site have been taken into account. According to Standard Practice another reduction of approximately 10 dB(A) could be taken into account.

The closest residential property to the closest noise emitting object is approx 250m , hence further reduction can be assumed. The majority of the noise emitters are located to the West of the site.