BS4142:2014 NOISE IMPACT ASSESSMENT REPORT

Gas Turbine GT03/Boiler10 Extension

SEDALCOL UK - SELBY

Date	Rev.	Issued by	Note
May 15th, 2018	1	ing. Franco Bertellino*	*Updated after planning comments of Selby Environmental Office*
December 15th, 2017	0	ing. Franco Bertellino*	*First issue for extension planning application*

**Member of the Institute of Acoustics (MIOA); Full Member Institute of Noise Control Engineering – USA; Full Member of the Italian Acoustic Association; Acknowledged as Competent Acoustic Technician by the Italian Government, El. Engineer Degree- Turin Poyitechnic, Member of the Engineers Association of Turin n. 8006Y.*

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1.0 FOREWORD

MICROBEL Associates* have undertaken this BS4142:2014 noise impact assessment of SEDALCOL UK facilities in Selby for an extension of the existing plant including a **new Gas compressor, a gas turbine and associated heat recovery boiler**.

The impact of noise from the proposed plant on the closest noise sensitive premises has been modeled using a predicting noise mapping software using detailed drawings and specifications provided by the design team.

The noise impact of the proposed plant extension has been assessed against the measured background noise levels in accordance with British Standard 4142:2014, '*Method for Rating industrial noise affecting mixed residential and industrial areas*'.

The current issue of this report, updated with respect to the previous December 2017 version, includes a new noise survey, carried out in April-May 2018 and is meant to reply to some comments raised by D. Adamson of the Environmental Health Office – Selby Municipality. See Annex 5 for the comments.

**dr. Franco Bertellino, Senior Associate of MICROBEL, has conducted this Noise Impact Assessment study and is a Member of the Institute of Acoustics (MIOA) – see annex 4.*

2.0 INSTALLATION DESCRIPTION

Sedalcol UK Ltd. – Denison Rd., YO8 8AN UK - North Yorkshire - Selby is a joint venture between Italian company ETEA and its French counterpart SYRAL.

The company is engaged in agri-processing using raw cereal to produce distilled Grain Neutral Alcohol which is used in the production of high quality drinks that include Gin and Vodka.

The plant is operating 24 hours per day, and the extension will operate at the same conditions, with some exceptions for HGV movements, limited to daily time (8.00 a.m. – 6.00 p.m).
The site and surrounding area is generally flat. The site is bordered by Denison Road to the south and the River Ouse to the north.

In order to describe the evolution of the plant since its beginning, in the following table an overview of the last steps is provided.

Table 1 – Overview of the noise surveys and impact assessment of SEDALCOL UK Ltd.throughout its history

Issue date	Issued by	Type of Report	Applied Standard	Scope	Notes
06_2003	White Young Green Environmental	Noise Impact Assessment	BS4142:1997	IPPC application	Noise Impact Assessment of the former Tate & Lyle Citric Acid plant
02_2010	Hepworth Acoustics	Noise Assessment for proposed Agri-processing plant	BS4142:1997		First Acoustic Impact Assessment of the proposed SEDALCOL UK plant. The impact assessment includes a background noise survey before SEDALCOL UK plant was operated
10_2012	MICROBEL Associates	Noise Assessment	BS4142:1997	Required by IPPC Permit	The report was carried out to fulfill the requirements of the Environmental Permit by the Environment Agency within application EPR/KP3030TZ/V002. The report included a Noise Action Plan for the implementation of noise abatement measures

10_2013	MICROBEL Associates	Noise Assessment	BS4142:1997		in accordance with the requirements of Enviromental Permit n. KP3030TZ and CAR n. RDR-121206-KP3030TZ that stated and required: "…the operator has therefore prioritized the noise control activities with the intention of assessing any improvements related to specific abatement actions. The site is not currently receiving related complaints so this step wise approach is agreed. The Operators shall therefore undertake a further noise assessment as prescribed by Improvements Condition 3 and submit a follow–up report by 01/12/2013".
02_2013	MICROBEL Associates	Environmental Impact Assessment		Wet Mill and Starch Dryer Extension	SEDALCOL UK Plant Extension n.1
04_2015	MICROBEL Associates	Environmental Impact Assessment		Gas Turbine "SOLAR" + Boiler9 Extension	SEDALCOL UK Plant Extension n.2
01_2016	MICROBEL Associates	Environmental Impact Assessment		Glucose Syrup Extension	SEDALCOL UK Plant Extension n.3
01_2016	MICROBEL Associates	Noise Assessment	BS4142:2014		The purpose is to assess actual noise levels at local sensitive receptors against those etimated in application EPR/KP3030TZ/V004. A report shall be submitted summarising the outcomes of the assessment plus any recommendations for improvements…
10_2016	MICROBEL Associates	Noise Assessment	BS4142:2014		The report is issued accordingly to the requirements of the **Improvement Condition 10** included in the Variation 5 of the original Environmental Permit (EPR//KP3030TZ/V005).
12_2017	MICROBEL Associates	Environmental Impact Assessment		Gas Turbine GT03 + Boiler10 + Gas compressor Extension	SEDALCOL UK Plant Extension n.4

3.0 EXTENSION PROJECT (GAS TURBINE GT3/BOILER10)

SEDALCOL operates a Potable Ethyl Alcohol, Refined Starch and Vital Wheat Gluten production plant which is reflected in the current Environmental Permit (ref: EPR/KP3030TZ/V004). The existing plant is processing local wheat to produce Grain Neutral Alcohol, native and modified dry starch for the UK market, through co-products from dry milling (bran), wet separation (gluten) and distillation (stillage).

In recent years, SEDALCOL has introduced some additional plants and modified some of the existing plants (Starch Dryer, Wet Mill, Starch Storage and Loading). These modifications were addressed to a diversification of the final products, able to produce native and modified dry starch for the UK market. Co-products from dry milling (bran), wet separation (gluten) and distillation (stillage) are produced for food and feed applications.

The current application is for the installation of a new gas compressor, a gas turbine and associated heat recovery boiler within the existing Sedalcol site, to replace the existing aging gas turbine and compressor. The new gas turbine & heat recovery boiler will be located externally to the east of the existing boilerhouse, whereas the new gas compressor will be located adjacent to the main entrance to the site at Gate 5.

The new plant will continue the regeneration of the former Tate and Lyle site by Sedalcol UK and will consolidate the high-quality long-term employment created in the Selby area by the recent development of the Agri-Processing Plant, which was brought into full production in Spring 2012.

4.0 SITE DESCRIPTION

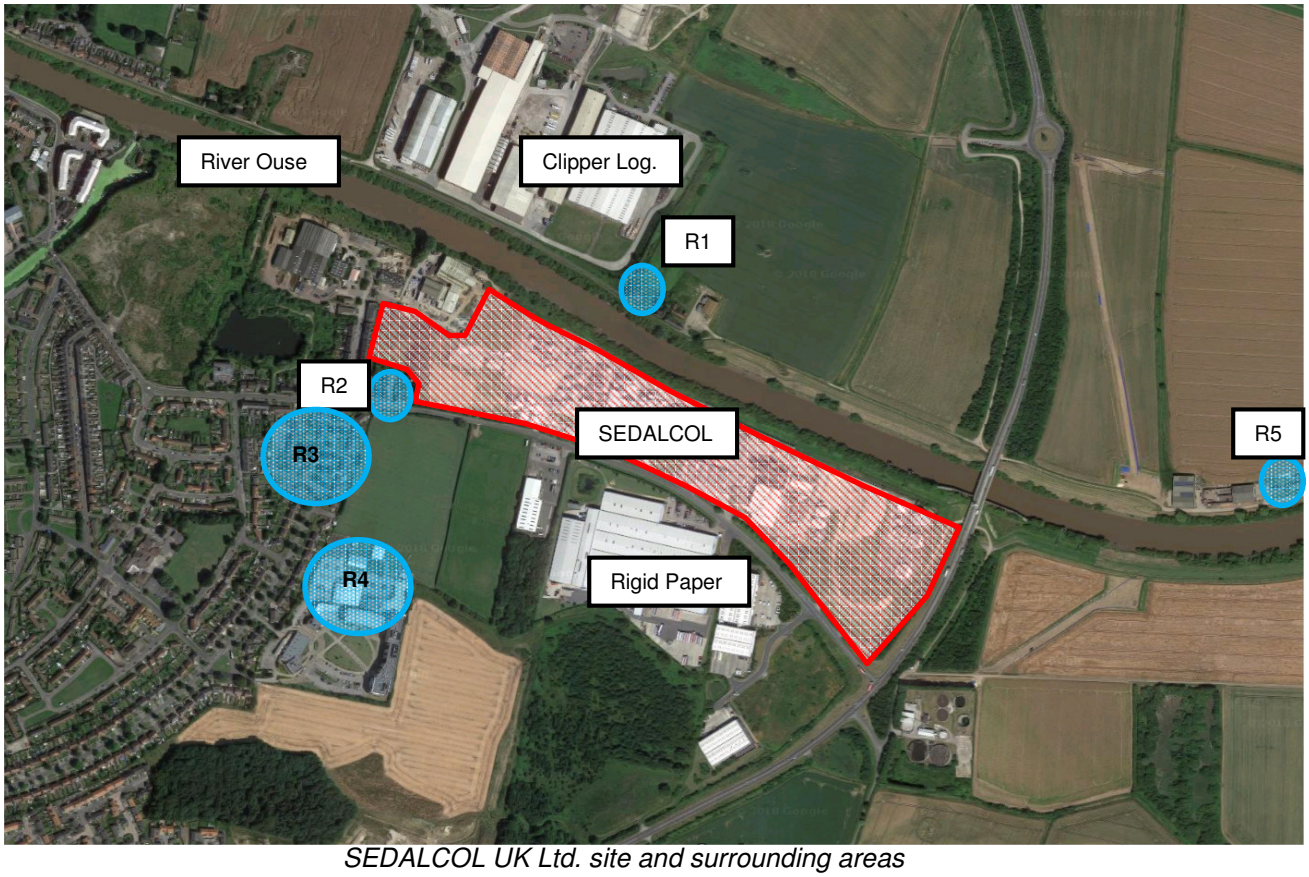
4.1 SITE AND SURROUNDING AREAS

The scope of the present report is to demonstrate that the new noise sources to be introduced in the SEDALCOL UK plant are not influencing the current noise levels at the nearest residential properties.

The site is situated at Denison Road, Selby, covering an area of approximately 16.2 ha (40 acres). The site is relatively flat lying at approx.4m AOD, along the southern bank of the tidal River Ouse.

Football pitches, agricultural land and a sewage treatment works occupy the land to the south and east of East Common Lane, whilst land is dominated by industrial activity to the west of Carr Street. To the north, land beyond the River Ouse is occupied by warehousing units and agricultural land. A limited number of residential receivers are located to the north of the River Ouse, including Cherry Tree Farm, located approx. 90 m north of the site boundary. Newland cottages and Newlands Farm are located between 500 – 600 m northeast of the site.

To the west of the site, a number of 2No. storey residential receivers are located along Denison Road, Carr St. and Harold St., in the vicinity of other industrial facilities. The closest properties on Denison Road are situated immediately beyond the sports pitch, to the southeast of the installation boundary.
A larger number of residential receivers are located to the southwest of the site, in the Abbots Road area. Although more remote, Selby college located approximately 750 m southwest of the SEDALCOL plant boundary is also considered a sensitive receiver in view of the large numbers of users of this facility.



SEDALCOL UK Ltd. site and surrounding areas

Table 2 – List of potential receivers impacted by SEDALCOLU UK Ltd. noise emissions

Receiver	Location	Distance from SEDALCOL plant	Description	Notes
R1	North of the River Ouse	North - 90 m	Inhabited 2 storeys house (called "Cherry Tree Farm")	The receiver is currently inhabited and therefore was not considered for the noise assessment
R2	Denison Road, 59	West - 0 m	The residential property is adjacent to SEDALCOL UK property boundary	The receiver is potentially influenced by SEDALCOL UK noise emissions being located at the west boundary property of the site.
R3	Abbotts Road area	West - 100 m	Residential area	The receiver is potentially influenced by SEDALCOL UK noise emissions, but it is located in the same direction of R2 and far away from the industrial site, therefore R2 was chosen as much more meaningful than R3 for the noise survey
R4	Selby College	South-west >300 m	School and sport facility. Far.	The distance from the industrial site and the presence of traffic along Denison Road makes unuseful the noise monitoring for this receiver.
R5	Newlands Farm	North-east >500 m	Residential area, very far away from the site and acoustically influenced and screened by the A63 By-Pass.	The distance from the industrial site and the presence of traffic along A63 pass-by makes unuseful the noise monitoring for this receiver.

4.2 APPLICABLE NOISE LIMITS

The original Planning Approval for the site development by Sedalcol ref 2010/0141/FUL included the following Condition 14: "*The level of noise emitted from the site shall not exceed 45 dBLAeq (5-min) between 23.00 and 7.00 hours and 50 dBLAeq (1-hour) between 7.00 and 23.00 at the boundary of the nearest residential property on Ousebank*.

Therefore, the set noise limits **for the properties on Ousenbank** are:
L_{Aeq}(5min) **50dB(A)** outside residential properties during the **daytime** period (07:00 –23:00 hours)
L_{Aeq}(5min) **45 dB(A)** outside residential properties **at night** (23:00 –07:00 hours)

It was agreed with Selby Environmental Office that these limits are applicable in case of residential properties, **when occupied**.

For all of the other sensitive premises no absolute limits are given, and therefore BS4142:2014 criteria are to be applied.

5.0 NOISE MONITORING

5.1 BS4142:2014 ASSESSMENT

BS: 4142:2014 describes 'Methods for rating and assessing industrial and commercial Sound". In order to describe the current situation, a comprehensive noise survey was carried out in April – May 2018.

The measurements were carried out in the location R2 outside the factory, during day-time and night-time, corresponding to the nearest residential property potentially influenced by SEDALCOL plant.

Abbotts Road residential area is located east of the plant. R2 receiver is the nearest to the plant and can be representative of the worst exposure case in this direction.

Other receivers are located well far away from the factory and are not relevant for the noise impact study of the present extension.

The receiver R1 (Cherry Tree Farm), although potentially influenced by SEDALCOL plant, was not taken into account as it is being inhabited for the last 3 years.

Due to the stationary emission of the plant, it was decided to carry out ambient noise measurements for a period of 1 hour Day-time and 15 min Night-time, as adviced by BS4142:2014 standard.

Noise monitoring of the current acoustic situation was undertaken during periods of normal site operation and in good weather conditions (May 9-10, 2018). The sound level meter was calibrated at the beginning and end of each monitoring survey.

In order to identify the background noise a specific noise survey was carried out on April 11, 2018, during a planned shut-down of SEDALCOL UK plant.

All measurement were obtained using an appropriately calibrated NORSONIC Sound Level Meter Type 140 sn. 1403941 mounted on a tripod and protected by the Manufacturer's windshield. The instrument was configured in order to store all of the needed parameters for the subsequent assessment of the impact. Third-octave band frequency data were recorded as well as time histories of the signal. See Annex 6 for calibration details.

5.2 RATING OF THE EXISTING SITUATION ACCORDING TO BS4142:2014

The most relevant British Standard for assessing noise impact from industrial premises is BS 4142:2014 "*Methods for rating and assessing industrial and commercial sound*".

This standard requires to assess the impact of an industrial source by subtracting the measured background[1] sound level from the rating[2] level. Certain acoustic features can increase the rating level acording to clause 9 of the standard.

An excess of around +5 dB or more is likely to be an indication of a significant adverse impact, depending on the context, while a difference of around +10 dB or more is likely to be an indication of a significant adverse impact.

In the Annex 7 ratings according BS4142:2014 of the ***existing situation*** (Noise Survey on ***April-May 2018***) are displayed.

It was possible to investigate the background noise during a planned shut-down of SEDALCOL UK plant occurred on April 11th, 2018.

The details of the noise survey are attached in Annex 7. Below the result of the BS4142:2014 assessment for the receiver R2, that is the only receiver potentially influenced by SEDALCOL UK Ltd. noise emissions.

The assessment against BS4142:2014 criteria indicates there is no likelihood of adverse impact (< 5 dB) due to SEDALCOL UK plant.

6.0 NOISE SOURCES INTRODUCED BY THE GAS TURBINE GT3 EXTENSION

The key elements of the new plant are a **gas compressor, a gas turbine and a heat recovery boiler**. The new gas turbine will generate electricity and the new heat recovery boiler will be used to raise steam for site production. The new gas compressor will compress the mains gas to the pressure required for efficient operation of the new gas turbine. The new gas compressor and the new gas turbine will replace the old gas turbine and gas compressor that will be definitively shut down.

[1] See BS 4142:2014 Clause 8

[2] See BS 4142:2014 Clause 9

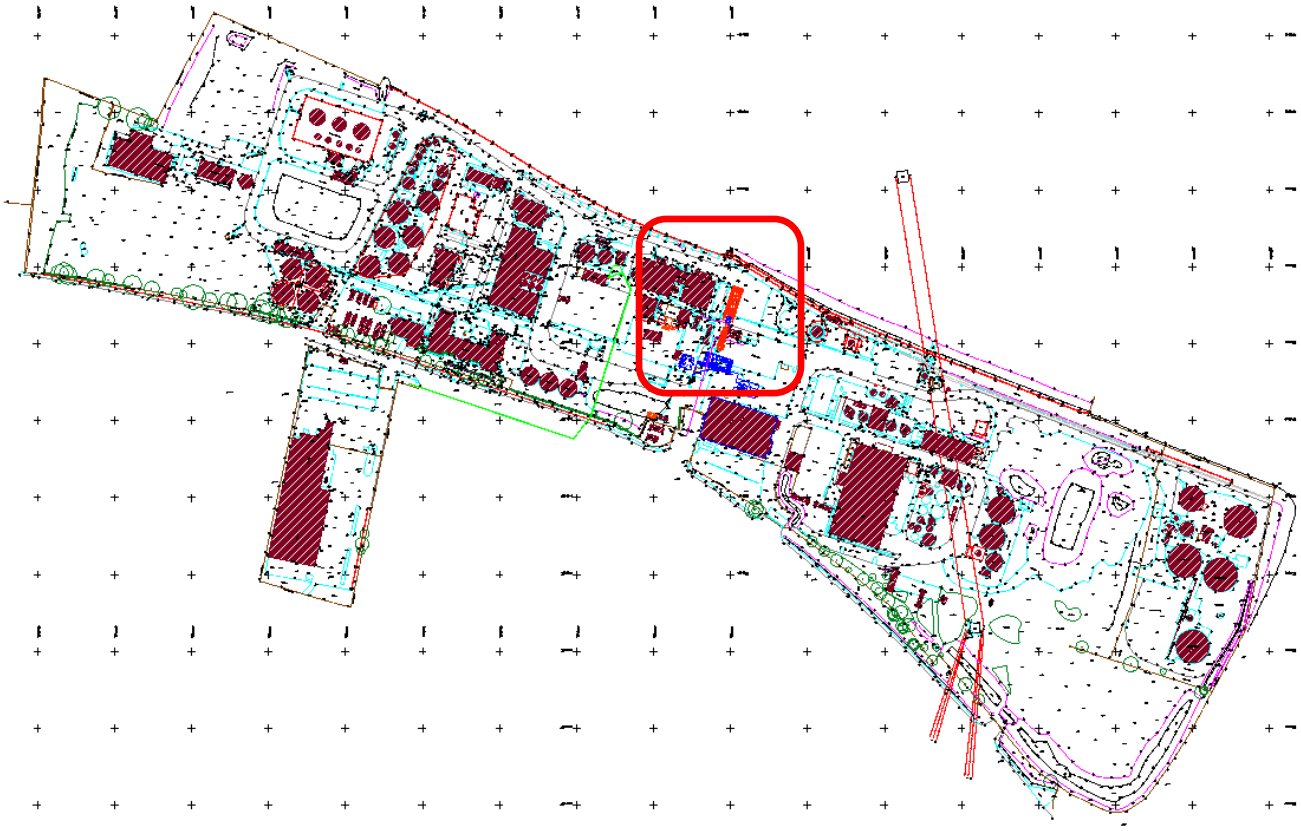
The nature of the proposed gas compressor, gas turbine and heat recovery boiler, their location, and the design of the scheme are considered to be justified relative to the historical and current use of the site and current land use policies. The new plant will occupy approximately 250 m^2 of the existing industrial site and this plant will be designed, constructed and operated to modern environmental and safety standards. The proposed development will help to maintain the long-term viability of the site through additional investment in new and existing products. The development is consistent with the Local and National Planning Policies.

The new gas turbine and heat recovery boiler will be located adjacent to the existing boilerhouse and existing solar turbine plus boiler 9 installation. The new plant will sustain the growth of the site by producing electricity and steam in a very efficient way.

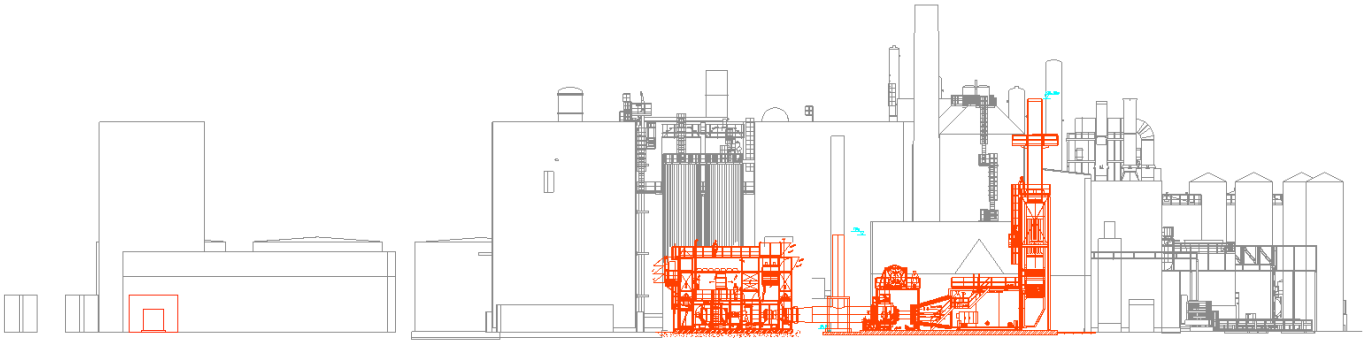
The combined footprint of the proposed gas compressor, gas turbine and heat recovery boiler is approximately 250 m^2, and comprises a 15.6m x 4.6m plan area free-standing gas turbine module nominally 9.6m high, a 25m*6.5m plan area free-standing heat recovery boiler module nominally 5.5m high and a gas compressor module of 2.5m x 6.4m plan dimensions nominally 3.5m high. The gas turbine module and the heat recovery boiler module will be located to the east of the existing boilerhouse, with the gas compressor module located to the west of Gate 5 adjacent to Denison. The design will integrate a bypass stack for occasional use when the gas turbine is running but the boiler cannot accept the waste gases.
The gas compressor module will have a footprint of nominally 15m^2 and a height of 3.5m.

The location of the new plant is indicated in the following drawings.

Location of the new plant (GT03 + Boiler 10 and gas compressor).



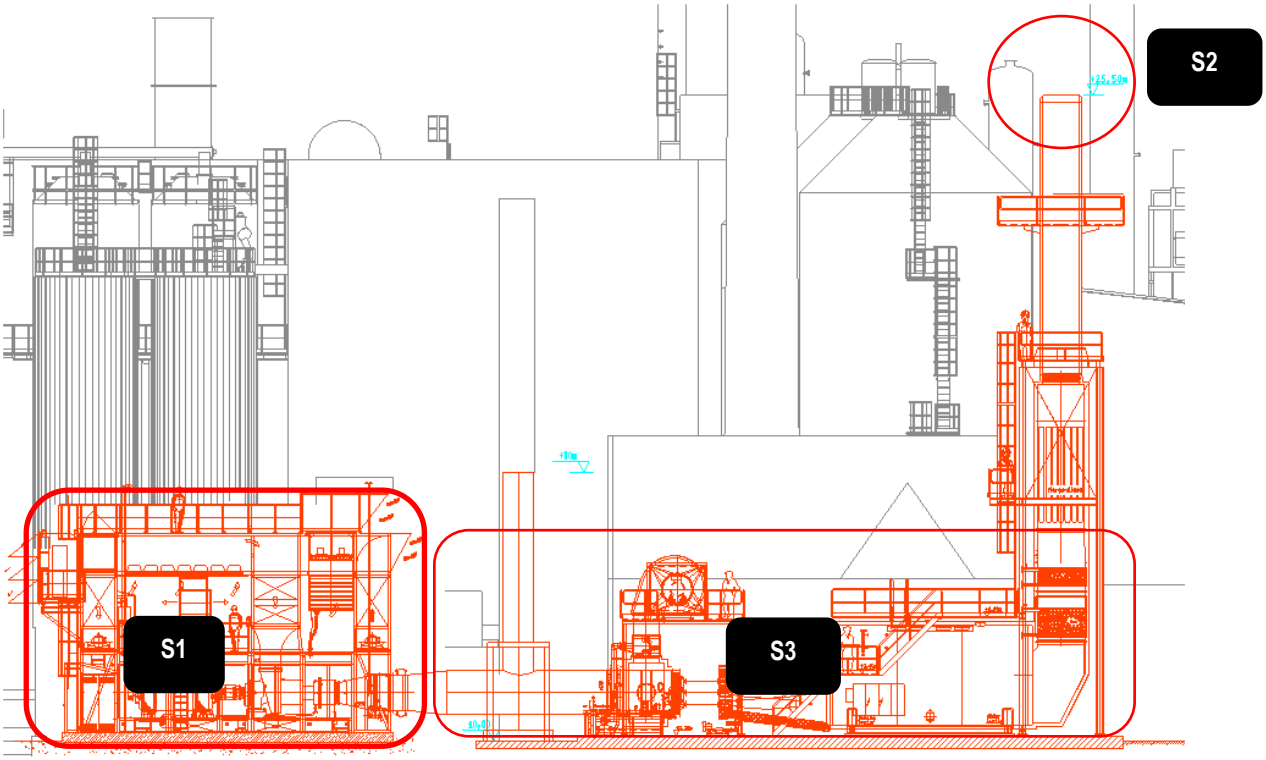
General SEDALCOL UK plant



The plant extension will include additional noise sources, listed in the following table.

Table 5 – Noise sources introduced by the proposed extension

ID	Noise Source	Description	Estimated Noise Emission Level	Description of noise source type
S1	Gas Turbine GT03	15.6m x 2,9m plan area free-standing gas turbine module nominally 9.6m high	Enclosure declared noise emission Lp: 80 dBA @ 1 m, 1,5 m height, under f.f. conditions	Surface emission (enclosure)
S2	Chimney	20 m high	Chimney Noise emission Level: 75 dBA @ 1 m, 20 m height.	Point emission (chimney)
S3	Boiler10	23 x 6,8 x 4,8 m (h) heat recovery boiler module	Estimated 75 dBA @1 m based on measurements carried out on the existing module located at side of the new module	Surface emission (enclosure)
S4	Gas compressor	gas compressor module of 2.5m x 6.4m plan dimensions nominally 3.5m high. Located to the west of Gate 5 adjacent to Denison	Enclosure declared noise emission Lp: 70 dBA @ 1 m, 1,5 m height, under f.f. conditions	Surface emission (enclosure)

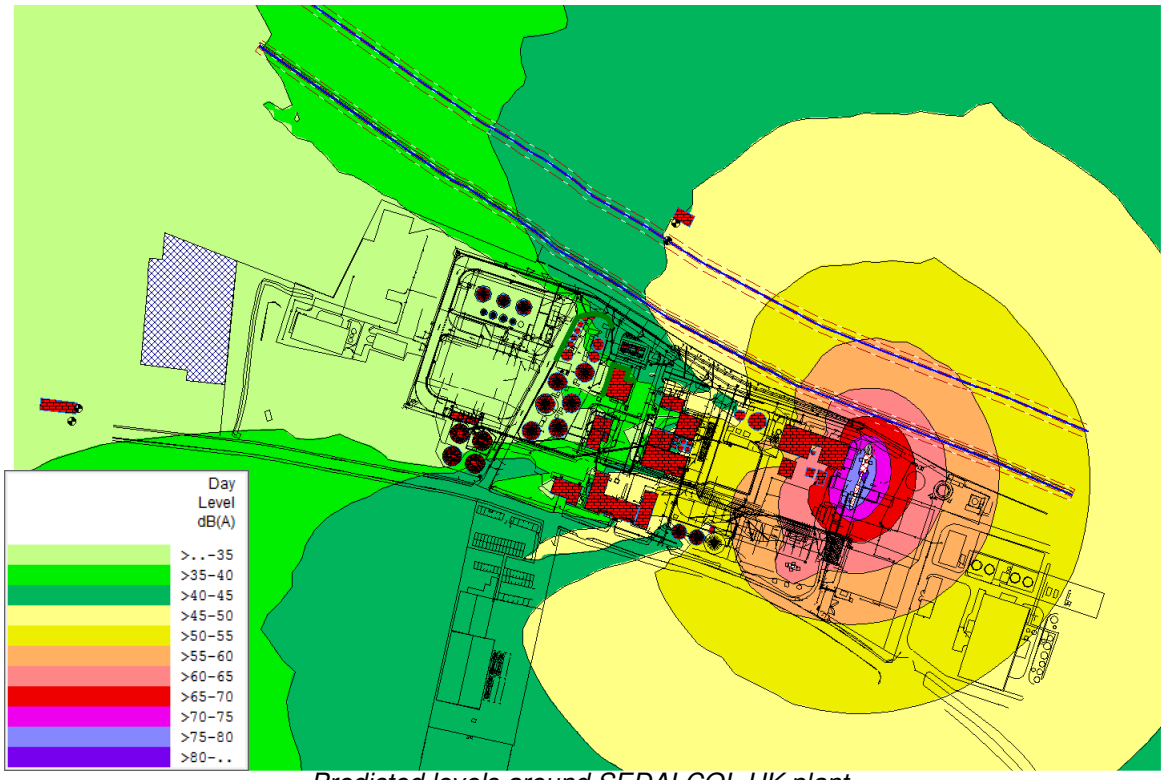


Existing Gas Turbine

Existing Boiler and chimney

7.0 NOISE ASSESSMENT OF NEW PLANTS

The potential noise impact associated with the operation of the proposed extension of the existing plant has been determined by developing a computerised noise model of the plant.
The noise model has been constructed using IMMI (vers. 2017) noise modelling software, produced by Woelfel (Germany). The noise model takes into account the noise propagation terms within 'ISO9613: Acoustics – Attenuation of sound during propagation outdoors', including distance attenuation, ground absorption and atmospheric absorption.
The noise model has used the plant layout provided by the design team. The layout shows the location of all buildings and focuses on the new plants introduced by the project extension.



Predicted levels around SEDALCOL UK plant

The contribution to the specific sound level at receiver R2 is 33,2 dBA, which means that the additional impact due to the new sources is as follows:

Table 5.1 – Calculated Noise Levels at Noise Sensitive Properties – Day-time

Receiver	Specific sound level of existing SEDALCOL sources (2018)	Calculated Noise Level due to new noise sources	Additional Impact due to the proposed extension
	LAeq	LAeq	LAeq
Receiver R2 (59 Denison Rd)	48,7	**33,2**	Negligible

Table 5.2 – Calculated Noise Levels at Noise Sensitive Properties – Night-time

Receiver	Specific sound level of existing SEDALCOL sources (2018)	Calculated Noise Level due to new noise sources	Additional Impact due to the proposed extension
	LAeq	LAeq	LAeq
Receiver R2 (59 Denison Rd)	43,8	**33,2**	Negligible

Therefore, it may be stated that the impact of the new sources is negligible and that the assessment of the impact against BS4142:2014 remains the same as displayed in Annex 7 of this report.

As a result of noise impact prediction, it can be stated that **the new sources introduced with the extension of the proposed new plant GT03 + Boiler10 won't affect the existing situation since their contribution to the noise level at the nearest residential properties is negligible**.

8.0 NOISE ABATEMENT MEASURES TO BE IMPLEMENTED

The above result can be achieved if the noise emitted by the proposed extension doesn't exceed the declared values as described above. If new operating conditions should imply a different noise emission, the results of noise prediction should be revised.

9.0 CONCLUSIONS

An assessment of noise emissions from the new proposed Gas Turbine GT03 /Boiler10 extension has been carried out in order to verify the acoustic impact, with special attention at the critical receivers to the west of the site boundary.

The assessment has demonstrated that the difference between the existing noise levels and the levels introduced by the new plant is negligible, therefore no adverse impact shall be expected.

A verification of the noise emissions of the new plant will be carried out at the completion of the proposed extension.

The Acoustic Technician*

Ing. Franco Bertellino

**Member of the Institute of Acoustics (MIOA); Full Member Institute of Noise Control Engineering – USA; Full Member of the Italian Acoustic Association; Acknowledged as Competent Acoustic Technician by the Italian Government, El. Engineer Degree- Turin Poyitechnic, Member of the Engineers Association of Turin n. 8006Y.*

ANNEX 1 – RECEIVERS

Receiver R1 on northern bank of River Ouse - Cherry Tree Farm. ***It is clearly inhabited***

Receiver R2 on west side of SEDALCOL plant – Denison rd. 59. Street view

Receiver R2 on west side of SEDALCOL plant – Denison rd. 59
Inner courtyard and measurement location used for the noise survey

ANNEX 2 – PLAN VIEW OF SEDALCOL UK

Plan view of the SEDALCOL UK Plant and foreseen new noise sources

ANNEX 3 – INPUT DATA USED FOR THE NOISE MAPPING MODEL

Emission variant				
T1	Day			
T2	Night			

Road / RLS-90 (12)									Variante 0
STRb001	Label		Truck -A		Action radius/m				99999,00
	Group		CT		Mult. refl.: Drefl /dB				0,00
	Number of nodes		43		Max gradient % (z-coord.)				0,00
	Length/ m		959,18		d(SS)/m (emission line)				0,00
	Length/ m (2D)		959,18		Road surface				Smooth mastic asphalt
	Area /m²		---						
	Emiss. variant	DStrO	M in vehic/ h	p /%	v (car) /km/h	v (lorry) /km/h	Lm,25 /dB(A)	Lm,E /dB(A)	
	Day	0,00	7,00	100,00	30,00	30,00	55,39	50,00	
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00	
STRb002	Label		Truck -B		Action radius/m				99999,00
	Group		CT		Mult. refl.: Drefl /dB				0,00
	Number of nodes		43		Max gradient % (z-coord.)				0,00
	Length/ m		1052,90		d(SS)/m (emission line)				0,00
	Length/ m (2D)		1052,90		Road surface				Smooth mastic asphalt
	Area /m²		---						
	Emiss. variant	DStrO	M in vehic/ h	p /%	v (car) /km/h	v (lorry) /km/h	Lm,25 /dB(A)	Lm,E /dB(A)	
	Day	0,00	16,00	100,00	30,00	30,00	58,98	53,59	
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00	
STRb003	Label		Truck -C		Action radius/m				99999,00
	Group		CT		Mult. refl.: Drefl /dB				0,00
	Number of nodes		43		Max gradient % (z-coord.)				0,00
	Length/ m		959,29		d(SS)/m (emission line)				0,00
	Length/ m (2D)		959,29		Road surface				Smooth mastic asphalt
	Area /m²		---						
	Emiss. variant	DStrO	M in vehic/ h	p /%	v (car) /km/h	v (lorry) /km/h	Lm,25 /dB(A)	Lm,E /dB(A)	
	Day	0,00	1,00	100,00	30,00	30,00	46,94	41,55	
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00	
STRb004	Label		Truck - G		Action radius/m				99999,00
	Group		CT		Mult. refl.: Drefl /dB				0,00
	Number of nodes		21		Max gradient % (z-coord.)				0,00
	Length/ m		465,07		d(SS)/m (emission line)				0,00
	Length/ m (2D)		465,07		Road surface				Smooth mastic asphalt
	Area /m²		---						
	Emiss. variant	DStrO	M in vehic/ h	p /%	v (car) /km/h	v (lorry) /km/h	Lm,25 /dB(A)	Lm,E /dB(A)	
	Day	0,00	2,00	0,00	30,00	30,00	40,31	31,56	
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00	
STRb005	Label		Trucks - Sh		Action radius/m				99999,00
	Group		CT		Mult. refl.: Drefl /dB				0,00
	Number of nodes		21		Max gradient % (z-coord.)				0,00
	Length/ m		465,07		d(SS)/m (emission line)				0,00
	Length/ m (2D)		465,07		Road surface				Smooth mastic asphalt
	Area /m²		---						
	Emiss. variant	DStrO	M in vehic/ h	p /%	v (car) /km/h	v (lorry) /km/h	Lm,25 /dB(A)	Lm,E /dB(A)	
	Day	0,00	0,00	0,00	30,00	30,00	-99,00	-99,00	
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00	
STRb006	Label		Trucks - W		Action radius/m				99999,00
	Group		CT		Mult. refl.: Drefl /dB				0,00
	Number of nodes		21		Max gradient % (z-coord.)				0,00
	Length/ m		469,92		d(SS)/m (emission line)				0,00
	Length/ m (2D)		469,92		Road surface				Smooth mastic asphalt
	Area /m²		---						
	Emiss. variant	DStrO	M in vehic/ h	p /%	v (car) /km/h	v (lorry) /km/h	Lm,25 /dB(A)	Lm,E /dB(A)	
	Day	0,00	19,00	0,00	30,00	30,00	50,09	41,34	
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00	
STRb007	Label		Truck -A*		Action radius/m				99999,00

	Group		Repaired element groups		Mult. refl.: Drefl /dB			0,00
	Number of nodes		43		Max gradient % (z-coord.)			0,00
	Length/ m		959,18		d(SS)/m (emission line)			0,00
	Length/ m (2D)		959,18		Road surface			Smooth mastic asphalt
	Area /m²		---					
	Emiss. variant	**DStrO**	**M in vehic/ h**	**p /%**	**v (car) /km/h**	**v (lorry) /km/h**	**Lm,25 /dB(A)**	**Lm,E /dB(A)**
	Day	0,00	0,00	100,00	30,00	30,00	-99,00	-99,00
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00
STRb008	**Label**		Truck -B*		**Action radius/m**			99999,00
	Group		Repaired element groups		Mult. refl.: Drefl /dB			0,00
	Number of nodes		43		Max gradient % (z-coord.)			0,00
	Length/ m		1052,90		d(SS)/m (emission line)			0,00
	Length/ m (2D)		1052,90		Road surface			Smooth mastic asphalt
	Area /m²		---					
	Emiss. variant	**DStrO**	**M in vehic/ h**	**p /%**	**v (car) /km/h**	**v (lorry) /km/h**	**Lm,25 /dB(A)**	**Lm,E /dB(A)**
	Day	0,00	4,00	100,00	30,00	30,00	52,96	47,57
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00
STRb009	**Label**		Truck -C*		**Action radius/m**			99999,00
	Group		Repaired element groups		Mult. refl.: Drefl /dB			0,00
	Number of nodes		43		Max gradient % (z-coord.)			0,00
	Length/ m		959,29		d(SS)/m (emission line)			0,00
	Length/ m (2D)		959,29		Road surface			Smooth mastic asphalt
	Area /m²		---					
	Emiss. variant	**DStrO**	**M in vehic/ h**	**p /%**	**v (car) /km/h**	**v (lorry) /km/h**	**Lm,25 /dB(A)**	**Lm,E /dB(A)**
	Day	0,00	0,00	100,00	30,00	30,00	-99,00	-99,00
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00
STRb010	**Label**		Truck - G*		**Action radius/m**			99999,00
	Group		Repaired element groups		Mult. refl.: Drefl /dB			0,00
	Number of nodes		21		Max gradient % (z-coord.)			0,00
	Length/ m		465,07		d(SS)/m (emission line)			0,00
	Length/ m (2D)		465,07		Road surface			Smooth mastic asphalt
	Area /m²		---					
	Emiss. variant	**DStrO**	**M in vehic/ h**	**p /%**	**v (car) /km/h**	**v (lorry) /km/h**	**Lm,25 /dB(A)**	**Lm,E /dB(A)**
	Day	0,00	1,00	0,00	30,00	30,00	37,30	28,55
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00
STRb011	**Label**		Trucks - Sh*		**Action radius/m**			99999,00
	Group		Repaired element groups		Mult. refl.: Drefl /dB			0,00
	Number of nodes		21		Max gradient % (z-coord.)			0,00
	Length/ m		465,07		d(SS)/m (emission line)			0,00
	Length/ m (2D)		465,07		Road surface			Smooth mastic asphalt
	Area /m²		---					
	Emiss. variant	**DStrO**	**M in vehic/ h**	**p /%**	**v (car) /km/h**	**v (lorry) /km/h**	**Lm,25 /dB(A)**	**Lm,E /dB(A)**
	Day	0,00	8,00	0,00	30,00	30,00	46,33	37,58
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00
STRb012	**Label**		Trucks - W*		**Action radius/m**			99999,00
	Group		Repaired element groups		Mult. refl.: Drefl /dB			0,00
	Number of nodes		21		Max gradient % (z-coord.)			0,00
	Length/ m		469,92		d(SS)/m (emission line)			0,00
	Length/ m (2D)		469,92		Road surface			Smooth mastic asphalt
	Area /m²		---					
	Emiss. variant	**DStrO**	**M in vehic/ h**	**p /%**	**v (car) /km/h**	**v (lorry) /km/h**	**Lm,25 /dB(A)**	**Lm,E /dB(A)**
	Day	0,00	12,00	0,00	30,00	30,00	48,09	39,34
	Night	0,00	0,00	0,00	50,00	50,00	-99,00	-99,00

Point source /ISO 96 (48)												Variante 0
EZQi001	**Label**		MVR1				**Action radius/m**					99999,00
	Group		existing sources				**Lw (Day) /dB(A)**					81,45
	Number of nodes		1				**Lw (Night) /dB(A)**					81,45
	Length/ m		---				**D0**					0,00
	Length/ m (2D)		---				**High building/high noise source**					No
	Area /m²		---				**Emission is**					Sound pressure level (Lp)
							equivalent qreq /m²					1,50
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: opening64										

	Day	Lw /dB	84,4	- 70,0 68,3	71,0 69,1 69,6	75,2 69,8 68,4	70,6 68,7 65,9	67,9 64,0 63,9	65,7 62,9 64,3	78,1 72,6 76,7	61,8 59,6 59,7	58,4 63,7 55,9	53,1 56,5 49,1
	Night	Emission	Reference: opening64										
	Night	Lw /dB	84,4	- 70,0 68,3	71,0 69,1 69,6	75,2 69,8 68,4	70,6 68,7 65,9	67,9 64,0 63,9	65,7 62,9 64,3	78,1 72,6 76,7	61,8 59,6 59,7	58,4 63,7 55,9	53,1 56,5 49,1
EZQi002	**Label**		MVR2				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						81,44
	Number of nodes		1				**Lw (Night) /dB(A)**						81,44
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						1,50
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: Opening 63										
	Day	Lw /dB	84,8	- 73,0 67,8	71,6 72,2 71,0	73,2 71,2 71,8	71,7 69,3 68,5	69,8 65,8 68,8	67,9 68,3 67,2	73,9 72,2 77,3	66,3 64,3 64,2	62,6 69,6 61,1	58,0 61,0 55,1
	Night	Emission	Reference: Opening 63										
	Night	Lw /dB	84,8	- 73,0 67,8	71,6 72,2 71,0	73,2 71,2 71,8	71,7 69,3 68,5	69,8 65,8 68,8	67,9 68,3 67,2	73,9 72,2 77,3	66,3 64,3 64,2	62,6 69,6 61,1	58,0 61,0 55,1
EZQi003	**Label**		MVR3				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						80,45
	Number of nodes		1				**Lw (Night) /dB(A)**						80,45
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						1,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: Openings 62										
	Day	Lw /dB	84,2	- 64,7 67,3	70,3 71,6 72,4	71,9 73,5 68,3	70,1 70,0 67,2	71,0 65,6 61,9	61,6 59,9 65,3	67,6 60,9 59,2	58,4 61,0 61,5	68,3 70,1 73,0	70,7 74,7 74,3
	Night	Emission	Reference: Openings 62										
	Night	Lw /dB	84,2	- 64,7 67,3	70,3 71,6 72,4	71,9 73,5 68,3	70,1 70,0 67,2	71,0 65,6 61,9	61,6 59,9 65,3	67,6 60,9 59,2	58,4 61,0 61,5	68,3 70,1 73,0	70,7 74,7 74,3
EZQi004	**Label**		MVR4				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						90,47
	Number of nodes		1				**Lw (Night) /dB(A)**						90,47
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						1,50
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: MVR - air intake turbine										
	Day	Lw /dB	96,0	- 68,9 71,1	76,5 78,1 80,6	81,1 85,4 84,9	85,4 84,8 85,6	88,4 81,9 81,5	79,0 76,3 80,7	76,5 79,2 82,0	81,0 79,3 74,9	74,5 75,5 76,7	77,7 76,9 74,9
	Night	Emission	Reference: MVR - air intake turbine										
	Night	Lw /dB	96,0	- 68,9 71,1	76,5 78,1 80,6	81,1 85,4 84,9	85,4 84,8 85,6	88,4 81,9 81,5	79,0 76,3 80,7	76,5 79,2 82,0	81,0 79,3 74,9	74,5 75,5 76,7	77,7 76,9 74,9
EZQi006	**Label**		MVR front				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						71,56
	Number of nodes		1				**Lw (Night) /dB(A)**						71,56
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						1,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: MVR front opening										
	Day	Lw /dB	80,2	- 68,0 69,9	68,0 68,8 67,1	66,4 65,9 63,8	64,1 64,1 63,0	75,3 62,6 64,9	62,6 60,6 62,3	61,3 59,5 59,9	58,3 58,4 58,9	57,6 56,2 56,8	52,6 52,7 52,2
	Night	Emission	Reference: MVR front opening										

	Night	Lw /dB	80,2	- 68,0 69,9	68,0 68,8 67,1	66,4 65,9 63,8	64,1 64,1 63,0	75,3 62,6 64,9	62,6 60,6 62,3	61,3 59,5 59,9	58,3 58,4 58,9	57,6 56,2 56,8	52,6 52,7 52,2
EZQi007	**Label**		MVR ext. source				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						85,82
	Number of nodes		1				**Lw (Night) /dB(A)**						85,82
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						15,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: MVR - external source											
	Day	Lw /dB	98,8	- 89,9 85,2	85,6 83,3 82,1	96,4 82,8 78,2	80,6 76,7 79,0	79,8 79,2 79,5	81,8 75,1 75,2	80,5 73,6 70,5	73,3 70,4 70,2	72,8 69,8 69,4	70,0 68,6 65,2
	Night	Emission	Reference: MVR - external source											
	Night	Lw /dB	98,8	- 89,9 85,2	85,6 83,3 82,1	96,4 82,8 78,2	80,6 76,7 79,0	79,8 79,2 79,5	81,8 75,1 75,2	80,5 73,6 70,5	73,3 70,4 70,2	72,8 69,8 69,4	70,0 68,6 65,2
EZQi008	**Label**		MVR6				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						94,46
	Number of nodes		1				**Lw (Night) /dB(A)**						94,46
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						30,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: MVR rear top											
	Day	Lw /dB	99,0	- 88,3 84,4	85,6 85,6 84,0	90,6 84,1 85,4	87,0 84,4 84,5	85,7 83,5 81,2	81,1 81,7 78,8	82,4 79,5 84,5	81,7 81,2 86,1	81,8 84,4 82,8	82,0 81,2 79,2
	Night	Emission	Reference: MVR rear top											
	Night	Lw /dB	99,0	- 88,3 84,4	85,6 85,6 84,0	90,6 84,1 85,4	87,0 84,4 84,5	85,7 83,5 81,2	81,1 81,7 78,8	82,4 79,5 84,5	81,7 81,2 86,1	81,8 84,4 82,8	82,0 81,2 79,2
EZQi009	**Label**		Pumps				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						89,68
	Number of nodes		1				**Lw (Night) /dB(A)**						89,68
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						12,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pumps											
	Day	Lw /dB	94,9	- 83,6 86,1	86,1 81,1 81,8	81,1 79,0 79,7	79,1 79,5 79,7	81,2 78,3 79,2	78,2 79,1 78,7	78,8 79,2 79,8	78,3 76,3 77,0	77,8 80,6 76,1	73,4 73,1 68,9
	Night	Emission	Reference: Pumps											
	Night	Lw /dB	94,9	- 83,6 86,1	86,1 81,1 81,8	81,1 79,0 79,7	79,1 79,5 79,7	81,2 78,3 79,2	78,2 79,1 78,7	78,8 79,2 79,8	78,3 76,3 77,0	77,8 80,6 76,1	73,4 73,1 68,9
EZQi010	**Label**		Chimney1				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						99,55
	Number of nodes		1				**Lw (Night) /dB(A)**						99,55
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						10,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Chimney1											
	Day	Lw /dB	114,4	- 109,5 107,6	106,3 103,2 101,8	98,6 94,6 92,7	93,7 91,0 89,0	94,8 98,1 100,7	97,8 94,6 89,3	87,3 78,6 80,6	80,3 77,4 80,1	78,9 77,3 76,2	73,2 70,7 68,4
	Night	Emission	Reference: Chimney1											
	Night	Lw /dB	114,4	- 109,5 107,6	106,3 103,2 101,8	98,6 94,6 92,7	93,7 91,0 89,0	94,8 98,1 100,7	97,8 94,6 89,3	87,3 78,6 80,6	80,3 77,4 80,1	78,9 77,3 76,2	73,2 70,7 68,4
EZQi011	**Label**		Chimney2				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						95,10
	Number of nodes		1				**Lw (Night) /dB(A)**						95,10

	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							10,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Chimney2											
	Day	Lw /dB	105,4	- 88,1 91,9	90,5 96,2 94,6	95,0 89,1 90,1	89,5 89,3 95,7	98,1 89,9 89,5	96,8 84,7 79,6	82,6 76,6 74,6	73,7 73,4 74,8	71,7 70,9 69,8	67,8 65,9 64,2	
	Night	Emission	Reference: Chimney2											
	Night	Lw /dB	105,4	- 88,1 91,9	90,5 96,2 94,6	95,0 89,1 90,1	89,5 89,3 95,7	98,1 89,9 89,5	96,8 84,7 79,6	82,6 76,6 74,6	73,7 73,4 74,8	71,7 70,9 69,8	67,8 65,9 64,2	
EZQi012	**Label**		Chimney3				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							94,48
	Number of nodes		1				**Lw (Night) /dB(A)**							94,48
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							10,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Chimney3											
	Day	Lw /dB	107,7	- 96,8 93,1	97,6 99,2 101,0	96,2 91,4 94,6	95,0 92,1 92,9	95,5 91,7 93,2	91,6 88,2 83,2	79,3 80,9 80,6	77,2 77,4 78,5	76,3 75,2 74,3	73,5 72,4 71,3	
	Night	Emission	Reference: Chimney3											
	Night	Lw /dB	107,7	- 96,8 93,1	97,6 99,2 101,0	96,2 91,4 94,6	95,0 92,1 92,9	95,5 91,7 93,2	91,6 88,2 83,2	79,3 80,9 80,6	77,2 77,4 78,5	76,3 75,2 74,3	73,5 72,4 71,3	
EZQi013	**Label**		Chimney4				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							100,56
	Number of nodes		1				**Lw (Night) /dB(A)**							100,56
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							10,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Chimney4											
	Day	Lw /dB	128,0	- 121,1 120,1	121,5 120,3 117,3	115,3 114,6 112,1	109,4 107,4 103,7	100,6 97,7 95,8	93,2 87,9 84,8	82,1 80,4 79,2	78,4 80,2 83,0	83,1 84,1 83,1	80,2 77,9 76,3	
	Night	Emission	Reference: Chimney4											
	Night	Lw /dB	128,0	- 121,1 120,1	121,5 120,3 117,3	115,3 114,6 112,1	109,4 107,4 103,7	100,6 97,7 95,8	93,2 87,9 84,8	82,1 80,4 79,2	78,4 80,2 83,0	83,1 84,1 83,1	80,2 77,9 76,3	
EZQi014	**Label**		Large chimney				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							93,44
	Number of nodes		1				**Lw (Night) /dB(A)**							93,44
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							20,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Large chimney											
	Day	Lw /dB	108,5	- 98,1 99,1	100,5 103,5 97,4	94,0 87,7 85,4	85,3 96,2 92,9	92,7 91,7 92,9	89,8 88,9 84,8	81,1 75,5 74,6	73,7 71,8 71,5	71,0 71,7 72,7	72,6 70,6 70,7	
	Night	Emission	Reference: Large chimney											
	Night	Lw /dB	108,5	- 98,1 99,1	100,5 103,5 97,4	94,0 87,7 85,4	85,3 96,2 92,9	92,7 91,7 92,9	89,8 88,9 84,8	81,1 75,5 74,6	73,7 71,8 71,5	71,0 71,7 72,7	72,6 70,6 70,7	
EZQi015	**Label**		Sorgente sonora				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							85,13
	Number of nodes		1				**Lw (Night) /dB(A)**							85,13
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							8,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	

	Day	Lw /dB	98,6	- 85,6 83,4	84,9 86,1 86,7	88,9 89,4 88,6	87,9 86,4 87,8	89,4 83,6 76,8	79,6 79,9 77,8	72,5 69,8 68,1	64,7 62,1 61,5	59,2 58,0 54,9	52,3 50,0 48,7
	Night	Lw /dB	98,6	- 85,6 83,4	84,9 86,1 86,7	88,9 89,4 88,6	87,9 86,4 87,8	89,4 83,6 76,8	79,6 79,9 77,8	72,5 69,8 68,1	64,7 62,1 61,5	59,2 58,0 54,9	52,3 50,0 48,7
EZQi017	**Label**		Motor				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						86,15
	Number of nodes		1				**Lw (Night) /dB(A)**						86,15
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						3,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Lw /dB	96,7	- 94,5 84,3	85,9 79,9 79,3	80,0 74,7 76,1	75,8 79,1 77,9	81,6 79,6 76,7	74,3 75,3 73,3	70,6 69,1 69,8	69,5 70,0 71,0	72,5 75,3 77,3	77,9 78,3 76,8
	Night	Lw /dB	96,7	- 94,5 84,3	85,9 79,9 79,3	80,0 74,7 76,1	75,8 79,1 77,9	81,6 79,6 76,7	74,3 75,3 73,3	70,6 69,1 69,8	69,5 70,0 71,0	72,5 75,3 77,3	77,9 78,3 76,8
EZQi018	**Label**		Turbine				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						109,93
	Number of nodes		1				**Lw (Night) /dB(A)**						109,93
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						40,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Lw /dB	118,7	-72,0 100,0 104,7	108,1 108,0 107,8	109,6 110,3 101,7	104,7 107,4 103,9	105,1 104,5 102,7	102,8 102,4 101,6	99,9 100,8 97,4	96,5 98,7 96,0	93,7 93,0 92,5	95,2 93,6 85,1
	Night	Lw /dB	118,7	-72,0 100,0 104,7	108,1 108,0 107,8	109,6 110,3 101,7	104,7 107,4 103,9	105,1 104,5 102,7	102,8 102,4 101,6	99,9 100,8 97,4	96,5 98,7 96,0	93,7 93,0 92,5	95,2 93,6 85,1
EZQi019	**Label**		Pump				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						89,40
	Number of nodes		1				**Lw (Night) /dB(A)**						89,40
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						5,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Lw /dB	91,8	- 72,8 74,1	74,6 72,9 68,4	71,3 72,3 74,5	72,3 75,6 77,7	76,3 77,3 75,4	79,5 86,5 80,4	77,5 78,3 78,5	79,0 77,8 76,6	73,7 73,9 72,8	69,8 67,8 65,5
	Night	Lw /dB	91,8	- 72,8 74,1	74,6 72,9 68,4	71,3 72,3 74,5	72,3 75,6 77,7	76,3 77,3 75,4	79,5 86,5 80,4	77,5 78,3 78,5	79,0 77,8 76,6	73,7 73,9 72,8	69,8 67,8 65,5
EZQi020	**Label**		Scrubber				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						100,42
	Number of nodes		1				**Lw (Night) /dB(A)**						100,42
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						20,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Lw /dB	102,9	-84,0 80,4 80,0	84,2 80,7 78,9	89,9 78,9 82,1	84,2 81,2 87,3	85,1 87,5 88,9	83,3 92,6 99,8	86,7 88,0 87,6	88,2 84,7 82,8	81,3 79,7 77,1	75,4 73,5 71,3
	Night	Lw /dB	102,9	-84,0 80,4 80,0	84,2 80,7 78,9	89,9 78,9 82,1	84,2 81,2 87,3	85,1 87,5 88,9	83,3 92,6 99,8	86,7 88,0 87,6	88,2 84,7 82,8	81,3 79,7 77,1	75,4 73,5 71,3
EZQi021	**Label**		Pump1				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						92,88
	Number of nodes		1				**Lw (Night) /dB(A)**						92,88
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						6,30
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**

	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	97,2	-87,0 81,2 79,0	82,1 81,6 78,8	82,2 80,8 84,9	79,8 91,4 80,3	82,4 80,9 84,2	82,5 82,7 83,2	84,3 84,7 84,0	82,0 80,0 80,4	78,8 77,0 75,7	73,8 71,6 68,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	97,2	-87,0 81,2 79,0	82,1 81,6 78,8	82,2 80,8 84,9	79,8 91,4 80,3	82,4 80,9 84,2	82,5 82,7 83,2	84,3 84,7 84,0	82,0 80,0 80,4	78,8 77,0 75,7	73,8 71,6 68,5
EZQi022	**Label**		Pump1*				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						93,88	
	Number of nodes		1				**Lw (Night) /dB(A)**						93,88	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						6,30	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	98,2	-86,0 82,2 80,0	83,1 82,6 79,8	83,2 81,8 85,9	80,8 92,4 81,3	83,4 81,9 85,2	83,5 83,7 84,2	85,3 85,7 85,0	83,0 81,0 81,4	79,8 78,0 76,7	74,8 72,6 69,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	98,2	-86,0 82,2 80,0	83,1 82,6 79,8	83,2 81,8 85,9	80,8 92,4 81,3	83,4 81,9 85,2	83,5 83,7 84,2	85,3 85,7 85,0	83,0 81,0 81,4	79,8 78,0 76,7	74,8 72,6 69,5
EZQi023	**Label**		Pump1**				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						91,88	
	Number of nodes		1				**Lw (Night) /dB(A)**						91,88	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						6,30	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	96,2	-88,0 80,2 78,0	81,1 80,6 77,8	81,2 79,8 83,9	78,8 90,4 79,3	81,4 79,9 83,2	81,5 81,7 82,2	83,3 83,7 83,0	81,0 79,0 79,4	77,8 76,0 74,7	72,8 70,6 67,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	96,2	-88,0 80,2 78,0	81,1 80,6 77,8	81,2 79,8 83,9	78,8 90,4 79,3	81,4 79,9 83,2	81,5 81,7 82,2	83,3 83,7 83,0	81,0 79,0 79,4	77,8 76,0 74,7	72,8 70,6 67,5
EZQi024	**Label**		Pump1***				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						89,88	
	Number of nodes		1				**Lw (Night) /dB(A)**						89,88	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						6,30	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	94,2	- 78,2 76,0	79,1 78,6 75,8	79,2 77,8 81,9	76,8 88,4 77,3	79,4 77,9 81,2	79,5 79,7 80,2	81,3 81,7 81,0	79,0 77,0 77,4	75,8 74,0 72,7	70,8 68,6 65,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	94,2	- 78,2 76,0	79,1 78,6 75,8	79,2 77,8 81,9	76,8 88,4 77,3	79,4 77,9 81,2	79,5 79,7 80,2	81,3 81,7 81,0	79,0 77,0 77,4	75,8 74,0 72,7	70,8 68,6 65,5
EZQi025	**Label**		Pump1****				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						94,88	
	Number of nodes		1				**Lw (Night) /dB(A)**						94,88	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						6,30	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	99,2	-85,0 83,2 81,0	84,1 83,6 80,8	84,2 82,8 86,9	81,8 93,4 82,3	84,4 82,9 86,2	84,5 84,7 85,2	86,3 86,7 86,0	84,0 82,0 82,4	80,8 79,0 77,7	75,8 73,6 70,5
	Night	Emission	Reference: Pump starch cooking											

	Night	Lw /dB	99,2	-85,0 83,2 81,0	84,1 83,6 80,8	84,2 82,8 86,9	81,8 93,4 82,3	84,4 82,9 86,2	84,5 84,7 85,2	86,3 86,7 86,0	84,0 82,0 82,4	80,8 79,0 77,7	75,8 73,6 70,5
EZQi026	**Label**		Pump1*****				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						94,88
	Number of nodes		1				**Lw (Night) /dB(A)**						94,88
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						6,30
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	99,2	-85,0 83,2 81,0	84,1 83,6 80,8	84,2 82,8 86,9	81,8 93,4 82,3	84,4 82,9 86,2	84,5 84,7 85,2	86,3 86,7 86,0	84,0 82,0 82,4	80,8 79,0 77,7	75,8 73,6 70,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	99,2	-85,0 83,2 81,0	84,1 83,6 80,8	84,2 82,8 86,9	81,8 93,4 82,3	84,4 82,9 86,2	84,5 84,7 85,2	86,3 86,7 86,0	84,0 82,0 82,4	80,8 79,0 77,7	75,8 73,6 70,5
EZQi027	**Label**		Pump1******				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						94,88
	Number of nodes		1				**Lw (Night) /dB(A)**						94,88
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						6,30
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	99,2	-85,0 83,2 81,0	84,1 83,6 80,8	84,2 82,8 86,9	81,8 93,4 82,3	84,4 82,9 86,2	84,5 84,7 85,2	86,3 86,7 86,0	84,0 82,0 82,4	80,8 79,0 77,7	75,8 73,6 70,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	99,2	-85,0 83,2 81,0	84,1 83,6 80,8	84,2 82,8 86,9	81,8 93,4 82,3	84,4 82,9 86,2	84,5 84,7 85,2	86,3 86,7 86,0	84,0 82,0 82,4	80,8 79,0 77,7	75,8 73,6 70,5
EZQi028	**Label**		Pump1*******				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						92,88
	Number of nodes		1				**Lw (Night) /dB(A)**						92,88
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						6,30
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Pump starch cooking											
	Day	Lw /dB	97,2	-87,0 81,2 79,0	82,1 81,6 78,8	82,2 80,8 84,9	79,8 91,4 80,3	82,4 80,9 84,2	82,5 82,7 83,2	84,3 84,7 84,0	82,0 80,0 80,4	78,8 77,0 75,7	73,8 71,6 68,5
	Night	Emission	Reference: Pump starch cooking											
	Night	Lw /dB	97,2	-87,0 81,2 79,0	82,1 81,6 78,8	82,2 80,8 84,9	79,8 91,4 80,3	82,4 80,9 84,2	82,5 82,7 83,2	84,3 84,7 84,0	82,0 80,0 80,4	78,8 77,0 75,7	73,8 71,6 68,5
EZQi029	**Label**		Opening Dry Mill				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						79,75
	Number of nodes		1				**Lw (Night) /dB(A)**						79,75
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No
	Area /m²		---				**Emission is**						Sound pressure level (Lp)
							equivalent qreq /m²						9,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2
	Night	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2
EZQi030	**Label**		Opening Dry Mill*				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						79,75
	Number of nodes		1				**Lw (Night) /dB(A)**						79,75
	Length/ m		---				**D0**						0,00
	Length/ m (2D)		---				**High building/high noise source**						No

	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						9,00	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
	Night	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
EZQi031	**Label**		Opening Dry Mill**				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						79,75	
	Number of nodes		1				**Lw (Night) /dB(A)**						79,75	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						9,00	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
	Night	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
EZQi032	**Label**		Opening Dry Mill***				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						79,75	
	Number of nodes		1				**Lw (Night) /dB(A)**						79,75	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						9,00	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
	Night	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
EZQi033	**Label**		Opening Dry Mill****				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						79,75	
	Number of nodes		1				**Lw (Night) /dB(A)**						79,75	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						9,00	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
	Night	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
EZQi034	**Label**		Opening Dry Mill****				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						79,75	
	Number of nodes		1				**Lw (Night) /dB(A)**						79,75	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	
	Area /m²		---				**Emission is**						Sound pressure level (Lp)	
							equivalent qreq /m²						9,00	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
	Night	Lw /dB	90,8	- 81,1 77,0	85,5 77,6 76,6	80,4 73,9 78,2	77,0 75,9 73,3	78,8 74,5 75,5	72,3 72,2 70,5	68,8 68,9 67,2	65,2 64,6 70,1	64,6 63,6 61,7	58,9 57,6 57,2	
EZQi035	**Label**		intake wheat				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						91,45	
	Number of nodes		1				**Lw (Night) /dB(A)**						91,45	
	Length/ m		---				**D0**						0,00	
	Length/ m (2D)		---				**High building/high noise source**						No	

	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							10,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	98,5	- 85,0 84,3	83,8 83,5 85,8	85,3 82,9 85,1	87,3 86,9 87,6	89,1 87,2 85,2	85,7 84,7 83,5	81,5 79,8 80,4	78,5 76,8 78,4	77,9 74,9 71,1	68,1 65,2 59,6	
	Night	Lw /dB	98,5	- 85,0 84,3	83,8 83,5 85,8	85,3 82,9 85,1	87,3 86,9 87,6	89,1 87,2 85,2	85,7 84,7 83,5	81,5 79,8 80,4	78,5 76,8 78,4	77,9 74,9 71,1	68,1 65,2 59,6	
EZQi036	**Label**		Chimney dryer OUTLET				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							88,89
	Number of nodes		1				**Lw (Night) /dB(A)**							88,89
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							4,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	110,7	- - 103,2	102,4 102,0 103,2	100,6 99,3 100,0	96,9 93,7 91,8	89,7 87,1 85,6	83,1 79,8 75,7	73,2 71,0 68,3	69,6 71,4 72,0	69,8 68,2 67,0	66,4 65,1 63,4	
	Night	Lw /dB	110,7	- - 103,2	102,4 102,0 103,2	100,6 99,3 100,0	96,9 93,7 91,8	89,7 87,1 85,6	83,1 79,8 75,7	73,2 71,0 68,3	69,6 71,4 72,0	69,8 68,2 67,0	66,4 65,1 63,4	
EZQi037	**Label**		Chimney dryer INLET				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							88,89
	Number of nodes		1				**Lw (Night) /dB(A)**							88,89
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							4,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	110,7	- - 103,2	102,4 102,0 103,2	100,6 99,3 100,0	96,9 93,7 91,8	89,7 87,1 85,6	83,1 79,8 75,7	73,2 71,0 68,3	69,6 71,4 72,0	69,8 68,2 67,0	66,4 65,1 63,4	
	Night	Lw /dB	110,7	- - 103,2	102,4 102,0 103,2	100,6 99,3 100,0	96,9 93,7 91,8	89,7 87,1 85,6	83,1 79,8 75,7	73,2 71,0 68,3	69,6 71,4 72,0	69,8 68,2 67,0	66,4 65,1 63,4	
EZQi038	**Label**		Baghouse filter				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							84,64
	Number of nodes		1				**Lw (Night) /dB(A)**							-
	Length/ m		---				**D0**							0,00
	Length/ m (2D)		---				**High building/high noise source**							No
	Area /m²		---				**Emission is**							Sound pressure level (Lp)
							equivalent qreq /m²							15,00
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw /dB	102,5	- - 80,6	81,6 87,1 96,8	95,7 96,1 93,2	89,3 87,5 88,4	84,7 76,7 77,1	74,2 72,8 70,2	70,2 72,2 68,7	68,9 70,7 72,0	71,0 71,4 68,8	71,1 69,2 66,6	
	Night	Lw /dB	-	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	- - -	
EZQi039	**Label**		Boiler n.9				**Action radius/m**							99999,00
	Group		extension sources				**D0**							0,00
	Number of nodes		1				**High building/high noise source**							No
	Length/ m		---				**Emission is**							Sound pressure level (Lp)
	Length/ m (2D)		---				**Emi. variant**	Emission	Sound insul.	Correction	Lw			
	Area /m²		---					dB(A)	dB	dB	dB(A)			
							Day	75,00	-	-	95,00			
							Night	75,00	-	-	95,00			
							equivalent qreq /m²							100,00
EZQi040	**Label**		Main chimney				**Action radius/m**							99999,00
	Group		existing sources				**D0**							0,00
	Number of nodes		1				**High building/high noise source**							No
	Length/ m		---				**Emission is**							Sound pressure level (Lp)
	Length/ m (2D)		---				**Emi. variant**	Emission	Sound insul.	Correction	Lw			
	Area /m²		---					dB(A)	dB	dB	dB(A)			
							Day	79,00	-	-	90,00			
							Night	79,00	-	-	90,00			
							equivalent qreq /m²							12,60

EZQi041	**Label**	Turbine	**Action radius/m**					99999,00
	Group	existing sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	83,00	-	-	103,00	
			Night	83,00	-	-	103,00	
			equivalent qreq /m²					100,00
EZQi042	**Label**	Baghouse filter1	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	70,00	-	-	76,99	
			Night	70,00	-	-	76,99	
			equivalent qreq /m²					5,00
EZQi043	**Label**	Baghouse filter2	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	70,00	-	-	76,02	
			Night	70,00	-	-	76,02	
			equivalent qreq /m²					4,00
EZQi044	**Label**	SS2	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	65,00	-	-	75,79	
			Night	-99,00	-	-	-99,00	
			equivalent qreq /m²					12,00
EZQi045	**Label**	SS3-1	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	65,00	-	-	75,79	
			Night	-99,00	-	-	-99,00	
			equivalent qreq /m²					12,00
EZQi046	**Label**	SS3-2	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	70,00	-	-	80,79	
			Night	-99,00	-	-	-99,00	
			equivalent qreq /m²					12,00
EZQi047	**Label**	SS4-1	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	60,00	-	-	70,79	
			Night	-99,00	-	-	-99,00	
			equivalent qreq /m²					12,00
EZQi048	**Label**	SS4-2	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00

	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	60,00	-	-	70,79	
			Night	-99,00	-	-	-99,00	
			equivalent qreq /m²					12,00
EZQi049	**Label**	SS5	**Action radius/m**					99999,00
	Group	extension sources	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	65,00	-	-	75,79	
			Night	-99,00	-	-	-99,00	
			equivalent qreq /m²					12,00
EZQi050	**Label**	S2 - Chimney	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	1	**High building/high noise source**					No
	Length/ m	---	**Emission is**					Sound pressure level (Lp)
	Length/ m (2D)	---	**Emi. variant**	Emission	Sound insul.	Correction	Lw	
	Area /m²	---		dB(A)	dB	dB	dB(A)	
			Day	75,42	-	-	86,42	
			Night	75,42	-	-	86,42	
			equivalent qreq /m²					12,60

Area source/ISO 9613 (83)													Variante 0
FLQi001	**Label**		Cooling Towe/PARETE1				**Action radius/m**						99999,00
	Group		existing sources				**D0**						0,00
	Number of nodes		5				**High building/high noise source**						No
	Length/ m		27,57				**Emission is**						SPL per unit area (Lw/m²)
	Length/ m (2D)		13,57				**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"	
	Area /m²		47,51					dB(A)	dB	dB	dB(A)	dB(A)	
							Day	-99,00	-	-	-99,00		
							Night	-99,00	-	-	-99,00		
FLQi002	**Label**		Cooling Towe/PARETE2				**Action radius/m**						99999,00
	Group		existing sources				**Lw (Day) /dB(A)**						81,36
	Number of nodes		5				**Lw (Night) /dB(A)**						81,36
	Length/ m		22,11				**Lw" (Day) /dB(A)**						68,71
	Length/ m (2D)		8,11				**Lw" (Night) /dB(A)**						68,71
	Area /m²		28,40				**D0**						0,00
							High building/high noise source						No
							Emission is						SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: Cooling tower										
	Day	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8
	Night	Emission	Reference: Cooling tower										
	Night	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8
FLQi002 /1	**Label**		Apertura 1				**Action radius/m**						99999,00
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**						-16,29
(FLQi270)	**Number of nodes**		5				**Lw (Night) /dB(A)**						-16,29
	Length/ m		13,00				**Lw" (Day) /dB(A)**						-26,29
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**						-26,29
	Area /m²		10,00				**D0**						0,00
							High building/high noise source						No
							Emission is						SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission	Reference: Cooling tower										
	Day	Sound insul.	Reference: no emission										
	Day	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2

	Night	Emission	Reference: Cooling tower											
	Night	Sound insul.	Reference: no emission											
	Night	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
FLQi003	**Label**		Cooling Towe/PARETE3				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		27,57				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		13,57				**Emi. variant**	Emission	Sound insul.	Correction		Lw	Lw"	
	Area /m²		47,51					dB(A)	dB	dB		dB(A)	dB(A)	
							Day	-99,00	-	-		-99,00		
							Night	-99,00	-	-		-99,00		
FLQi004	**Label**		Cooling Towe/PARETE4				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						81,36	
	Number of nodes		5				**Lw (Night) /dB(A)**						81,36	
	Length/ m		22,11				**Lw" (Day) /dB(A)**						68,71	
	Length/ m (2D)		8,11				**Lw" (Night) /dB(A)**						68,71	
	Area /m²		28,40				**D0**						0,00	
							High building/high noise source						No	
							Emission is						SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
	Night	Emission	Reference: Cooling tower											
	Night	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
FLQi004 /1	**Label**		Apertura 1				**Action radius/m**						99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**						-16,29	
(FLQi271)	**Number of nodes**		5				**Lw (Night) /dB(A)**						-16,29	
	Length/ m		13,00				**Lw" (Day) /dB(A)**						-26,29	
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**						-26,29	
	Area /m²		10,00				**D0**						0,00	
							High building/high noise source						No	
							Emission is						SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Sound insul.	Reference: no emission											
	Day	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
	Night	Emission	Reference: Cooling tower											
	Night	Sound insul.	Reference: no emission											
	Night	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
FLQi005	**Label**		Cooling Towers/TETTO				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		21,69				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		21,69				**Emi. variant**	Emission	Sound insul.	Correction		Lw	Lw"	
	Area /m²		27,54					dB(A)	dB	dB		dB(A)	dB(A)	
							Day	-99,00	-	-		-99,00		
							Night	-99,00	-	-		-99,00		
FLQi010	**Label**		Cooling Towe/PARETE1				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		27,57				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		13,57				**Emi. variant**	Emission	Sound insul.	Correction		Lw	Lw"	
	Area /m²		47,51					dB(A)	dB	dB		dB(A)	dB(A)	
							Day	-99,00	-	-		-99,00		
							Night	-99,00	-	-		-99,00		
FLQi011	**Label**		Cooling Towe/PARETE2				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						81,36	

	Number of nodes		5				**Lw (Night) /dB(A)**							81,36
	Length/ m		22,11				**Lw" (Day) /dB(A)**							68,71
	Length/ m (2D)		8,11				**Lw" (Night) /dB(A)**							68,71
	Area /m²		28,40				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
	Night	Emission	Reference: Cooling tower											
	Night	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
FLQi011 /1	**Label**		Apertura 1*				**Action radius/m**							99999,00
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							-16,29
(FLQi272)	**Number of nodes**		5				**Lw (Night) /dB(A)**							-16,29
	Length/ m		13,00				**Lw" (Day) /dB(A)**							-26,29
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**							-26,29
	Area /m²		10,00				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Sound insul.	Reference: no emission											
	Day	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
	Night	Emission	Reference: Cooling tower											
	Night	Sound insul.	Reference: no emission											
	Night	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
FLQi013	**Label**		Cooling Towe/PARETE3				**Action radius/m**							99999,00
	Group		existing sources				**D0**							0,00
	Number of nodes		5				**High building/high noise source**							No
	Length/ m		27,57				**Emission is**							SPL per unit area (Lw/m²)
	Length/ m (2D)		13,57				**Emi. variant**	Emission	Sound insul.		Correction	Lw		Lw"
	Area /m²		47,51					dB(A)	dB		dB	dB(A)		dB(A)
							Day	-99,00	-		-	-99,00		
							Night	-99,00	-		-	-99,00		
FLQi014	**Label**		Cooling Towe/PARETE4				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							81,36
	Number of nodes		5				**Lw (Night) /dB(A)**							81,36
	Length/ m		22,11				**Lw" (Day) /dB(A)**							68,71
	Length/ m (2D)		8,11				**Lw" (Night) /dB(A)**							68,71
	Area /m²		28,40				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
	Night	Emission	Reference: Cooling tower											
	Night	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
FLQi014 /1	**Label**		Apertura 1*				**Action radius/m**							99999,00
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							-16,29
(FLQi273)	**Number of nodes**		5				**Lw (Night) /dB(A)**							-16,29
	Length/ m		13,00				**Lw" (Day) /dB(A)**							-26,29
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**							-26,29
	Area /m²		10,00				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	

	Day	Emission	Reference: Cooling tower											
	Day	Sound insul.	Reference: no emission											
	Day	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
	Night	Emission	Reference: Cooling tower											
	Night	Sound insul.	Reference: no emission											
	Night	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
FLQi016	**Label**		Cooling Towers/TETTO				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		21,69				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		21,69				**Emi. variant**	Emission	Sound insul.	Correction	Lw		Lw"	
	Area /m²		27,54					dB(A)	dB	dB	dB(A)		dB(A)	
							Day	-99,00	-	-	-99,00			
							Night	-99,00	-	-	-99,00			
FLQi017	**Label**		Cooling Towe/PARETE1				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		27,57				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		13,57				**Emi. variant**	Emission	Sound insul.	Correction	Lw		Lw"	
	Area /m²		47,51					dB(A)	dB	dB	dB(A)		dB(A)	
							Day	-99,00	-	-	-99,00			
							Night	-99,00	-	-	-99,00			
FLQi018	**Label**		Cooling Towe/PARETE2				**Action radius/m**						99999,00	
	Group		existing sources				**Lw (Day) /dB(A)**						81,36	
	Number of nodes		5				**Lw (Night) /dB(A)**						81,36	
	Length/ m		22,11				**Lw" (Day) /dB(A)**						68,71	
	Length/ m (2D)		8,11				**Lw" (Night) /dB(A)**						68,71	
	Area /m²		28,40				**D0**						0,00	
							High building/high noise source						No	
							Emission is						SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
	Night	Emission	Reference: Cooling tower											
	Night	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8	
FLQi018 /1	**Label**		Apertura 1**				**Action radius/m**						99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**						-16,29	
(FLQi274)	**Number of nodes**		5				**Lw (Night) /dB(A)**						-16,29	
	Length/ m		13,00				**Lw" (Day) /dB(A)**						-26,29	
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**						-26,29	
	Area /m²		10,00				**D0**						0,00	
							High building/high noise source						No	
							Emission is						SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Sound insul.	Reference: no emission											
	Day	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
	Night	Emission	Reference: Cooling tower											
	Night	Sound insul.	Reference: no emission											
	Night	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2	
FLQi020	**Label**		Cooling Towe/PARETE3				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		27,57				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		13,57				**Emi. variant**	Emission	Sound insul.	Correction	Lw		Lw"	
	Area /m²		47,51					dB(A)	dB	dB	dB(A)		dB(A)	

						Day	-99,00	-	-	-99,00	
						Night	-99,00	-	-	-99,00	
FLQi021	**Label**		Cooling Towe/PARETE4			**Action radius/m**					99999,00
	Group		existing sources			**Lw (Day) /dB(A)**					81,36
	Number of nodes		5			**Lw (Night) /dB(A)**					81,36
	Length/ m		22,11			**Lw" (Day) /dB(A)**					68,71
	Length/ m (2D)		8,11			**Lw" (Night) /dB(A)**					68,71
	Area /m²		28,40			**D0**					0,00
						High building/high noise source					No
						Emission is					SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8
	Night	Emission	Reference: Cooling tower											
	Night	Lw" /dB	76,3	- 66,8 69,7	65,2 61,1 63,2	63,3 63,7 62,5	60,0 61,4 60,6	60,4 60,1 60,9	62,0 60,6 60,3	59,5 57,9 57,7	57,2 55,8 55,4	54,8 54,5 53,8	53,1 51,7 49,8
FLQi021 /1	**Label**		Apertura 1**				**Action radius/m**						99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**						-16,29	
(FLQi275)	**Number of nodes**		5				**Lw (Night) /dB(A)**						-16,29	
	Length/ m		13,00				**Lw" (Day) /dB(A)**						-26,29	
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**						-26,29	
	Area /m²		10,00				**D0**						0,00	
							High building/high noise source						No	
							Emission is						SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Cooling tower											
	Day	Sound insul.	Reference: no emission											
	Day	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2
	Night	Emission	Reference: Cooling tower											
	Night	Sound insul.	Reference: no emission											
	Night	Lw" /dB	-18,7	-198,0 -28,2 -25,3	-29,8 -33,9 -31,8	-31,7 -31,3 -32,5	-35,0 -33,6 -34,4	-34,6 -34,9 -34,1	-33,0 -34,4 -34,7	-35,5 -37,1 -37,3	-37,8 -39,2 -39,6	-40,2 -40,5 -41,2	-41,9 -43,3 -45,2
FLQi023	**Label**		Cooling Towers/TETTO				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		21,69				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		21,69				**Emi.**	Emission	Sound insul.	Correction	Lw		Lw"	
	Area /m²		27,54					dB(A)	dB	dB	dB(A)		dB(A)	
							Day	-99,00	-	-	-99,00			
							Night	-99,00	-	-	-99,00			
FLQi024	**Label**		Distillery /PARETE1				**Action radius/m**						99999,00	
	Group		existing sources				**D0**						0,00	
	Number of nodes		5				**High building/high noise source**						No	
	Length/ m		69,30				**Emission is**						SPL per unit area (Lw/m²)	
	Length/ m (2D)		45,30				**Emi.**	Emission	Sound insul.	Correction	Lw		Lw"	
	Area /m²		271,82					dB(A)	dB	dB	dB(A)		dB(A)	
							Day	-99,00	-	-	-99,00			
							Night	-99,00	-	-	-99,00			
FLQi024 /1	**Label**		GF				**Action radius/m**						99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**						91,33	
(FLQi276)	**Number of nodes**		5				**Lw (Night) /dB(A)**						97,33	
	Length/ m		50,00				**Lw" (Day) /dB(A)**						73,13	
	Length/ m (2D)		44,00				**Lw" (Night) /dB(A)**						79,13	
	Area /m²		66,00				**D0**						0,00	
							High building/high noise source						No	
							Emission is						SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - right side - GF											
	Day	Lw" /dB	76,8	- 65,0 62,6	66,3 63,4 60,2	62,0 59,3 60,6	59,9 62,0 62,3	64,8 62,0 63,4	63,6 63,6 62,5	63,3 63,9 63,5	62,6 61,5 60,4	60,9 59,1 57,8	56,3 54,6 51,6

	Night	Emission	Reference: Distillery - right side - GF												
	Night	Lw" /dB	82,8	- 71,0 68,6	72,3 69,4 66,2	68,0 65,3 66,6	65,9 68,0 68,3	70,8 68,0 69,4	69,6 69,6 68,5	69,3 69,9 69,5	68,6 67,5 66,4	66,9 65,1 63,8	62,3 60,6 57,6		
FLQi024 /2	**Label**		1F				**Action radius/m**							99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							95,34	
(FLQi277)	**Number of nodes**		5				**Lw (Night) /dB(A)**							95,34	
	Length/ m		50,00				**Lw" (Day) /dB(A)**							77,14	
	Length/ m (2D)		44,00				**Lw" (Night) /dB(A)**							77,14	
	Area /m²		66,00				**D0**							0,00	
							High building/high noise source							No	
							Emission is							SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**		
	Day	Emission	Reference: Distillery - 1F												
	Day	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0		
	Night	Emission	Reference: Distillery - 1F												
	Night	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0		
FLQi024 /3	**Label**		2F				**Action radius/m**							99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							96,16	
(FLQi278)	**Number of nodes**		5				**Lw (Night) /dB(A)**							96,16	
	Length/ m		50,00				**Lw" (Day) /dB(A)**							77,97	
	Length/ m (2D)		44,00				**Lw" (Night) /dB(A)**							77,97	
	Area /m²		66,00				**D0**							0,00	
							High building/high noise source							No	
							Emission is							SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**		
	Day	Emission	Reference: Distillery - 2F												
	Day	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0		
	Night	Emission	Reference: Distillery - 2F												
	Night	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0		
FLQi024 /4	**Label**		3F				**Action radius/m**							99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							93,20	
(FLQi279)	**Number of nodes**		5				**Lw (Night) /dB(A)**							93,20	
	Length/ m		50,00				**Lw" (Day) /dB(A)**							75,00	
	Length/ m (2D)		44,00				**Lw" (Night) /dB(A)**							75,00	
	Area /m²		66,00				**D0**							0,00	
							High building/high noise source							No	
							Emission is							SPL per unit area (Lw/m²)	
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**		
	Day	Emission	Reference: Distillery - 3F												
	Day	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2		
	Night	Emission	Reference: Distillery - 3F												
	Night	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2		
FLQi025	**Label**		Distillery /PARETE2				**Action radius/m**							99999,00	
	Group		existing sources				**D0**							0,00	
	Number of nodes		5				**High building/high noise source**							No	
	Length/ m		48,16				**Emission is**							SPL per unit area (Lw/m²)	
	Length/ m (2D)		24,16				**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"			
	Area /m²		144,98					dB(A)	dB	dB	dB(A)	dB(A)			
							Day	-99,00	-	-	-99,00				
							Night	-99,00	-	-	-99,00				
FLQi025 /1	**Label**		Apertura 1				**Action radius/m**							99999,00	
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							94,51	
(FLQi280)	**Number of nodes**		5				**Lw (Night) /dB(A)**							94,51	
	Length/ m		29,00				**Lw" (Day) /dB(A)**							79,13	
	Length/ m (2D)		23,00				**Lw" (Night) /dB(A)**							79,13	
	Area /m²		34,50				**D0**							0,00	

							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - right side - GF											
	Day	Lw" /dB	82,8	- 71,0 68,6	72,3 69,4 66,2	68,0 65,3 66,6	65,9 68,0 68,3	70,8 68,0 69,4	69,6 69,6 68,5	69,3 69,9 69,5	68,6 67,5 66,4	66,9 65,1 63,8	62,3 60,6 57,6	
	Night	Emission	Reference: Distillery - right side - GF											
	Night	Lw" /dB	82,8	- 71,0 68,6	72,3 69,4 66,2	68,0 65,3 66,6	65,9 68,0 68,3	70,8 68,0 69,4	69,6 69,6 68,5	69,3 69,9 69,5	68,6 67,5 66,4	66,9 65,1 63,8	62,3 60,6 57,6	
FLQi025 /2	**Label**		Apertura 2				**Action radius/m**							99999,00
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							92,52
(FLQi281)	**Number of nodes**		5				**Lw (Night) /dB(A)**							92,52
	Length/ m		29,00				**Lw" (Day) /dB(A)**							77,14
	Length/ m (2D)		23,00				**Lw" (Night) /dB(A)**							77,14
	Area /m²		34,50				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 1F											
	Day	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0	
	Night	Emission	Reference: Distillery - 1F											
	Night	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0	
FLQi025 /3	**Label**		Apertura 3				**Action radius/m**							99999,00
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							93,34
(FLQi282)	**Number of nodes**		5				**Lw (Night) /dB(A)**							93,34
	Length/ m		29,00				**Lw" (Day) /dB(A)**							77,97
	Length/ m (2D)		23,00				**Lw" (Night) /dB(A)**							77,97
	Area /m²		34,50				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 2F											
	Day	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0	
	Night	Emission	Reference: Distillery - 2F											
	Night	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0	
FLQi025 /4	**Label**		Apertura 4				**Action radius/m**							99999,00
Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							90,38
(FLQi283)	**Number of nodes**		5				**Lw (Night) /dB(A)**							90,38
	Length/ m		29,00				**Lw" (Day) /dB(A)**							75,00
	Length/ m (2D)		23,00				**Lw" (Night) /dB(A)**							75,00
	Area /m²		34,50				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 3F											
	Day	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2	
	Night	Emission	Reference: Distillery - 3F											
	Night	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2	
FLQi026	**Label**		Distillery /PARETE3				**Action radius/m**							99999,00
	Group		existing sources				**D0**							0,00
	Number of nodes		5				**High building/high noise source**							No
	Length/ m		36,77				**Emission is**							SPL per unit area (Lw/m²)
	Length/ m (2D)		12,77				**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"		
	Area /m²		76,60					dB(A)	dB	dB	dB(A)	dB(A)		
							Day	-99,00	-	-	-99,00			

						Night	-99,00	-	-	-99,00	
FLQi027	**Label**		Distillery /PARETE4			**Action radius/m**					99999,00
	Group		existing sources			**D0**					0,00
	Number of nodes		5			**High building/high noise source**					No
	Length/ m		35,23			**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)		11,23			**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²		67,38				dB(A)	dB	dB	dB(A)	dB(A)
						Day	-99,00	-	-	-99,00	
						Night	-99,00	-	-	-99,00	
FLQi027 /1	**Label**		Apertura 1			**Action radius/m**					99999,00
Opening	**Group**		existing sources			**Lw (Day) /dB(A)**					91,31
(FLQi284)	**Number of nodes**		5			**Lw (Night) /dB(A)**					91,31
	Length/ m		17,00			**Lw" (Day) /dB(A)**					79,13
	Length/ m (2D)		11,00			**Lw" (Night) /dB(A)**					79,13
	Area /m²		16,50			**D0**					0,00
						High building/high noise source					No
						Emission is					SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - right side - GF											
	Day	Lw" /dB	82,8	- 71,0 68,6	72,3 69,4 66,2	68,0 65,3 66,6	65,9 68,0 68,3	70,8 68,0 69,4	69,6 69,6 68,5	69,3 69,9 69,5	68,6 67,5 66,4	66,9 65,1 63,8	62,3 60,6 57,6
	Night	Emission	Reference: Distillery - right side - GF											
	Night	Lw" /dB	82,8	- 71,0 68,6	72,3 69,4 66,2	68,0 65,3 66,6	65,9 68,0 68,3	70,8 68,0 69,4	69,6 69,6 68,5	69,3 69,9 69,5	68,6 67,5 66,4	66,9 65,1 63,8	62,3 60,6 57,6
FLQi027 /2	**Label**		Apertura 2			**Action radius/m**					99999,00
Opening	**Group**		existing sources			**Lw (Day) /dB(A)**					89,32
(FLQi285)	**Number of nodes**		5			**Lw (Night) /dB(A)**					89,32
	Length/ m		17,00			**Lw" (Day) /dB(A)**					77,14
	Length/ m (2D)		11,00			**Lw" (Night) /dB(A)**					77,14
	Area /m²		16,50			**D0**					0,00
						High building/high noise source					No
						Emission is					SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 1F											
	Day	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0
	Night	Emission	Reference: Distillery - 1F											
	Night	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0
FLQi027 /3	**Label**		Apertura 3			**Action radius/m**					99999,00
Opening	**Group**		existing sources			**Lw (Day) /dB(A)**					90,14
(FLQi286)	**Number of nodes**		5			**Lw (Night) /dB(A)**					90,14
	Length/ m		17,00			**Lw" (Day) /dB(A)**					77,97
	Length/ m (2D)		11,00			**Lw" (Night) /dB(A)**					77,97
	Area /m²		16,50			**D0**					0,00
						High building/high noise source					No
						Emission is					SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 2F											
	Day	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0
	Night	Emission	Reference: Distillery - 2F											
	Night	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0
FLQi027 /4	**Label**		Apertura 4			**Action radius/m**					99999,00
Opening	**Group**		existing sources			**Lw (Day) /dB(A)**					87,18
(FLQi287)	**Number of nodes**		5			**Lw (Night) /dB(A)**					87,18
	Length/ m		17,00			**Lw" (Day) /dB(A)**					75,00
	Length/ m (2D)		11,00			**Lw" (Night) /dB(A)**					75,00
	Area /m²		16,50			**D0**					0,00
						High building/high noise source					No
						Emission is					SPL per unit area (Lw/m²)

	Emiss. variant		Sum	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
	Day	Emission	Reference: Distillery - 3F											
	Day	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2	
	Night	Emission	Reference: Distillery - 3F											
	Night	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2	

FLQi028	**Label**	Distillery /PARETE5	**Action radius/m**			99999,00
	Group	existing sources	**D0**			0,00
	Number of nodes	5	**High building/high noise source**			No
	Length/ m	56,54	**Emission is**			SPL per unit area (Lw/m²)
	Length/ m (2D)	32,54	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	195,22		dB(A)	dB	dB	dB(A)	dB(A)
			Day	-99,00	-	-	-99,00	
			Night	-99,00	-	-	-99,00	

FLQi028 /1	**Label**	Apertura 1	**Action radius/m**			99999,00
Opening	**Group**	existing sources	**Lw (Day) /dB(A)**			85,31
(FLQi288)	**Number of nodes**	5	**Lw (Night) /dB(A)**			91,31
	Length/ m	38,00	**Lw" (Day) /dB(A)**			68,50
	Length/ m (2D)	32,00	**Lw" (Night) /dB(A)**			74,50
	Area /m²	48,00	**D0**			0,00
			High building/high noise source			No
			Emission is			SPL per unit area (Lw/m²)

	Emiss. variant		Sum	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
	Day	Emission	Reference: Distillery - left side - GF											
	Day	Lw" /dB	76,8	- 65,6 64,4	72,5 65,5 61,3	61,9 61,4 60,7	60,6 60,1 60,5	60,1 60,7 60,5	61,0 61,4 59,1	59,9 59,5 57,5	56,4 55,8 55,1	54,4 54,3 52,1	49,7 47,9 44,9	
	Night	Emission	Reference: Distillery - left side - GF											
	Night	Lw" /dB	82,8	- 71,6 70,4	78,5 71,5 67,3	67,9 67,4 66,7	66,6 66,1 66,5	66,1 66,7 66,5	67,0 67,4 65,1	65,9 65,5 63,5	62,4 61,8 61,1	60,4 60,3 58,1	55,7 53,9 50,9	

FLQi028 /2	**Label**	Apertura 2	**Action radius/m**			99999,00
Opening	**Group**	existing sources	**Lw (Day) /dB(A)**			89,95
(FLQi289)	**Number of nodes**	5	**Lw (Night) /dB(A)**			93,95
	Length/ m	38,00	**Lw" (Day) /dB(A)**			73,14
	Length/ m (2D)	32,00	**Lw" (Night) /dB(A)**			77,14
	Area /m²	48,00	**D0**			0,00
			High building/high noise source			No
			Emission is			SPL per unit area (Lw/m²)

	Emiss. variant		Sum	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
	Day	Emission	Reference: Distillery - 1F											
	Day	Lw" /dB	77,5	- 65,0 64,3	68,2 62,2 59,8	60,8 59,8 60,3	61,3 64,0 64,8	68,5 62,4 61,2	63,6 64,5 62,2	62,9 63,4 63,2	62,2 61,7 60,6	60,4 59,9 58,7	56,1 54,7 55,0	
	Night	Emission	Reference: Distillery - 1F											
	Night	Lw" /dB	81,5	- 69,0 68,3	72,2 66,2 63,8	64,8 63,8 64,3	65,3 68,0 68,8	72,5 66,4 65,2	67,6 68,5 66,2	66,9 67,4 67,2	66,2 65,7 64,6	64,4 63,9 62,7	60,1 58,7 59,0	

FLQi028 /3	**Label**	Apertura 3	**Action radius/m**			99999,00
Opening	**Group**	existing sources	**Lw (Day) /dB(A)**			94,78
(FLQi290)	**Number of nodes**	5	**Lw (Night) /dB(A)**			94,78
	Length/ m	38,00	**Lw" (Day) /dB(A)**			77,97
	Length/ m (2D)	32,00	**Lw" (Night) /dB(A)**			77,97
	Area /m²	48,00	**D0**			0,00
			High building/high noise source			No
			Emission is			SPL per unit area (Lw/m²)

	Emiss. variant		Sum	16 Hz	31.5 Hz	63 Hz	125 Hz	250 Hz	500 Hz	1000 Hz	2000 Hz	4000 Hz	8000 Hz	
	Day	Emission	Reference: Distillery - 2F											
	Day	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0	
	Night	Emission	Reference: Distillery - 2F											
	Night	Lw" /dB	81,2	- 68,6 65,2	69,2 67,9 65,4	67,5 64,6 64,5	64,6 66,4 67,0	69,9 66,2 66,2	66,5 67,8 66,6	67,3 67,5 67,7	66,9 66,9 66,6	65,9 66,1 64,7	62,2 60,6 62,0	

FLQi028 /4	**Label**	Apertura 4	**Action radius/m**			99999,00

Opening	**Group**		existing sources				**Lw (Day) /dB(A)**							91,82
(FLQi291)	**Number of nodes**		5				**Lw (Night) /dB(A)**							91,82
	Length/ m		38,00				**Lw" (Day) /dB(A)**							75,00
	Length/ m (2D)		32,00				**Lw" (Night) /dB(A)**							75,00
	Area /m²		48,00				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 3F											
	Day	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2	
	Night	Emission	Reference: Distillery - 3F											
	Night	Lw" /dB	79,4	- 64,1 65,3	68,9 69,1 64,8	66,8 63,3 63,7	64,4 65,9 65,8	67,6 64,3 64,3	64,2 65,7 64,2	64,8 65,4 64,8	64,4 64,1 62,9	62,4 61,4 60,6	58,7 57,0 55,2	
FLQi029	**Label**		Distillery /PARETE6				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							97,77
	Number of nodes		5				**Lw (Night) /dB(A)**							97,77
	Length/ m		59,39				**Lw" (Day) /dB(A)**							74,50
	Length/ m (2D)		35,39				**Lw" (Night) /dB(A)**							74,50
	Area /m²		212,36				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - left side - GF											
	Day	Lw" /dB	82,8	- 71,6 70,4	78,5 71,5 67,3	67,9 67,4 66,7	66,6 66,1 66,5	66,1 66,7 66,5	67,0 67,4 65,1	65,9 65,5 63,5	62,4 61,8 61,1	60,4 60,3 58,1	55,7 53,9 50,9	
	Night	Emission	Reference: Distillery - left side - GF											
	Night	Lw" /dB	82,8	- 71,6 70,4	78,5 71,5 67,3	67,9 67,4 66,7	66,6 66,1 66,5	66,1 66,7 66,5	67,0 67,4 65,1	65,9 65,5 63,5	62,4 61,8 61,1	60,4 60,3 58,1	55,7 53,9 50,9	
FLQi030	**Label**		Distillery /TETTO				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							94,63
	Number of nodes		7				**Lw (Night) /dB(A)**							94,63
	Length/ m		80,70				**Lw" (Day) /dB(A)**							69,00
	Length/ m (2D)		80,70				**Lw" (Night) /dB(A)**							69,00
	Area /m²		365,01				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Distillery - 3F											
	Day	Lw" /dB	73,4	- 58,1 59,3	62,9 63,1 58,8	60,8 57,3 57,7	58,4 59,9 59,8	61,6 58,3 58,3	58,2 59,7 58,2	58,8 59,4 58,8	58,4 58,1 56,9	56,4 55,4 54,6	52,7 51,0 49,2	
	Night	Emission	Reference: Distillery - 3F											
	Night	Lw" /dB	73,4	- 58,1 59,3	62,9 63,1 58,8	60,8 57,3 57,7	58,4 59,9 59,8	61,6 58,3 58,3	58,2 59,7 58,2	58,8 59,4 58,8	58,4 58,1 56,9	56,4 55,4 54,6	52,7 51,0 49,2	
FLQi095	**Label**		Sorgente sonora				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							100,80
	Number of nodes		5				**Lw (Night) /dB(A)**							100,80
	Length/ m		52,34				**Lw" (Day) /dB(A)**							78,50
	Length/ m (2D)		52,34				**Lw" (Night) /dB(A)**							78,50
	Area /m²		170,05				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Flour and condit.											
	Day	Lw" /dB	89,8	- 86,0 80,7	83,0 77,9 73,5	72,6 67,8 67,9	67,3 68,1 67,8	71,7 71,9 68,0	68,7 66,7 65,1	63,3 62,3 63,3	63,9 64,7 65,0	65,9 68,0 69,8	69,1 68,4 68,9	
	Night	Emission	Reference: Flour and condit.											
	Night	Lw" /dB	89,8	- 86,0 80,7	83,0 77,9 73,5	72,6 67,8 67,9	67,3 68,1 67,8	71,7 71,9 68,0	68,7 66,7 65,1	63,3 62,3 63,3	63,9 64,7 65,0	65,9 68,0 69,8	69,1 68,4 68,9	
FLQi119	**Label**		HLIN /WAND1				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							95,67

	Number of nodes		5				**Lw (Night) /dB(A)**							95,67
	Length/ m		23,78				**Lw" (Day) /dB(A)**							80,68
	Length/ m (2D)		15,78				**Lw" (Night) /dB(A)**							80,68
	Area /m²		31,56				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw" /dB	87,1	- 73,7 70,6	75,0 73,1 68,7	73,3 74,0 72,2	68,5 72,2 70,8	79,2 80,4 74,7	70,7 72,6 70,0		71,8 69,4 70,3	66,5 67,9 67,1	66,4 64,9 61,6	61,6 60,6 58,3
	Night	Lw" /dB	87,1	- 73,7 70,6	75,0 73,1 68,7	73,3 74,0 72,2	68,5 72,2 70,8	79,2 80,4 74,7	70,7 72,6 70,0		71,8 69,4 70,3	66,5 67,9 67,1	66,4 64,9 61,6	61,6 60,6 58,3
FLQi120	**Label**		HLIN /WAND2				**Action radius/m**							99999,00
	Group		existing sources				**D0**							0,00
	Number of nodes		5				**High building/high noise source**							No
	Length/ m		34,65				**Emission is**							SPL per unit area (Lw/m²)
	Length/ m (2D)		26,65				**Emi. variant**	Emission	Sound insul.		Correction	Lw		Lw"
	Area /m²		53,31					dB(A)	dB		dB	dB(A)		dB(A)
							Day	-99,00	-		-	-99,00		
							Night	-99,00	-		-	-99,00		
FLQi121	**Label**		HLIN /WAND3				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							95,79
	Number of nodes		5				**Lw (Night) /dB(A)**							95,79
	Length/ m		24,23				**Lw" (Day) /dB(A)**							80,68
	Length/ m (2D)		16,23				**Lw" (Night) /dB(A)**							80,68
	Area /m²		32,47				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Lw" /dB	87,1	- 73,7 70,6	75,0 73,1 68,7	73,3 74,0 72,2	68,5 72,2 70,8	79,2 80,4 74,7	70,7 72,6 70,0		71,8 69,4 70,3	66,5 67,9 67,1	66,4 64,9 61,6	61,6 60,6 58,3
	Night	Lw" /dB	87,1	- 73,7 70,6	75,0 73,1 68,7	73,3 74,0 72,2	68,5 72,2 70,8	79,2 80,4 74,7	70,7 72,6 70,0		71,8 69,4 70,3	66,5 67,9 67,1	66,4 64,9 61,6	61,6 60,6 58,3
FLQi122	**Label**		HLIN /WAND4				**Action radius/m**							99999,00
	Group		existing sources				**D0**							0,00
	Number of nodes		5				**High building/high noise source**							No
	Length/ m		34,42				**Emission is**							SPL per unit area (Lw/m²)
	Length/ m (2D)		26,42				**Emi. variant**	Emission	Sound insul.		Correction	Lw		Lw"
	Area /m²		52,83					dB(A)	dB		dB	dB(A)		dB(A)
							Day	-99,00	-		-	-99,00		
							Night	-99,00	-		-	-99,00		
FLQi145	**Label**		Sorgente sonora*				**Action radius/m**							99999,00
	Group		existing sources				**Lw (Day) /dB(A)**							100,80
	Number of nodes		5				**Lw (Night) /dB(A)**							100,80
	Length/ m		52,34				**Lw" (Day) /dB(A)**							78,50
	Length/ m (2D)		52,34				**Lw" (Night) /dB(A)**							78,50
	Area /m²		170,05				**D0**							0,00
							High building/high noise source							No
							Emission is							SPL per unit area (Lw/m²)
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission	Reference: Flour and condit.											
	Day	Lw" /dB	89,8	- 86,0 80,7	83,0 77,9 73,5	72,6 67,8 67,9	67,3 68,1 67,8	71,7 71,9 68,0	68,7 66,7 65,1		63,3 62,3 63,3	63,9 64,7 65,0	65,9 68,0 69,8	69,1 68,4 68,9
	Night	Emission	Reference: Flour and condit.											
	Night	Lw" /dB	89,8	- 86,0 80,7	83,0 77,9 73,5	72,6 67,8 67,9	67,3 68,1 67,8	71,7 71,9 68,0	68,7 66,7 65,1		63,3 62,3 63,3	63,9 64,7 65,0	65,9 68,0 69,8	69,1 68,4 68,9
FLQi174	**Label**		HLIN /WAND1				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							76,94
	Number of nodes		5				**Lw (Night) /dB(A)**							76,94
	Length/ m		36,79				**Lw" (Day) /dB(A)**							58,48
	Length/ m (2D)		10,79				**Lw" (Night) /dB(A)**							58,48
	Area /m²		70,15				**D0**							0,00
							High building/high noise source							No

							Emission is							Indoor level (Lp)
							C(diffus) /dB							EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6		75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0		37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6		38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6		75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0		37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6		38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi175	**Label**		HLIN /WAND2				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							78,55
	Number of nodes		5				**Lw (Night) /dB(A)**							78,55
	Length/ m		41,63				**Lw" (Day) /dB(A)**							58,48
	Length/ m (2D)		15,63				**Lw" (Night) /dB(A)**							58,48
	Area /m²		101,63				**D0**							0,00
							High building/high noise source							No
							Emission is							Indoor level (Lp)
							C(diffus) /dB							EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6		75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0		37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6		38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6		75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0		37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6		38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi176	**Label**		HLIN /WAND3				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							81,60
	Number of nodes		5				**Lw (Night) /dB(A)**							81,60
	Length/ m		57,61				**Lw" (Day) /dB(A)**							58,48
	Length/ m (2D)		31,61				**Lw" (Night) /dB(A)**							58,48
	Area /m²		205,49				**D0**							0,00
							High building/high noise source							No
							Emission is							Indoor level (Lp)
							C(diffus) /dB							EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6		75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0		37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6		38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6		75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0		37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0

		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi177	**Label**		HLIN /WAND4				**Action radius/m**						99999,00
	Group		extension sources				**Lw (Day) /dB(A)**						80,83
	Number of nodes		5				**Lw (Night) /dB(A)**						80,83
	Length/ m		53,09				**Lw" (Day) /dB(A)**						58,48
	Length/ m (2D)		27,09				**Lw" (Night) /dB(A)**						58,48
	Area /m²		176,06				**D0**						0,00
							High building/high noise source						No
							Emission is						Indoor level (Lp)
							C(diffus) /dB						EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi177 /1	**Label**		Opening 1				**Action radius/m**						99999,00
Opening	**Group**		extension sources				**Lw (Day) /dB(A)**						81,78
(FLQi292)	**Number of nodes**		5				**Lw (Night) /dB(A)**						81,78
	Length/ m		8,00				**Lw" (Day) /dB(A)**						75,76
	Length/ m (2D)		4,00				**Lw" (Night) /dB(A)**						75,76
	Area /m²		4,00				**D0**						0,00
							High building/high noise source						No
							Emission is						Indoor level (Lp)
							C(diffus) /dB						EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Correction /dB		-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0
		Lw" /dB	81,1	- - 68,7	64,2 65,0 72,5	63,6 71,6 68,1	64,0 67,5 69,0	64,6 67,1 68,9	67,5 67,9 68,6	65,5 65,2 64,3	63,7 63,2 63,4	61,3 61,0 60,9	62,0 57,0 56,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Correction /dB		-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0
		Lw" /dB	81,1	- - 68,7	64,2 65,0 72,5	63,6 71,6 68,1	64,0 67,5 69,0	64,6 67,1 68,9	67,5 67,9 68,6	65,5 65,2 64,3	63,7 63,2 63,4	61,3 61,0 60,9	62,0 57,0 56,3
FLQi178	**Label**		HLIN /WAND5				**Action radius/m**						99999,00
	Group		extension sources				**Lw (Day) /dB(A)**						79,84
	Number of nodes		5				**Lw (Night) /dB(A)**						79,84
	Length/ m		47,05				**Lw" (Day) /dB(A)**						58,48
	Length/ m (2D)		21,05				**Lw" (Night) /dB(A)**						58,48
	Area /m²		136,84				**D0**						0,00
							High building/high noise source						No
							Emission is						Indoor level (Lp)
							C(diffus) /dB						EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3

		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi179	**Label**		HLIN /WAND6			**Action radius/m**						99999,00	
	Group		extension sources			**Lw (Day) /dB(A)**						77,46	
	Number of nodes		5			**Lw (Night) /dB(A)**						77,46	
	Length/ m		38,18			**Lw" (Day) /dB(A)**						58,48	
	Length/ m (2D)		12,18			**Lw" (Night) /dB(A)**						58,48	
	Area /m²		79,19			**D0**						0,00	
						High building/high noise source						No	
						Emission is						Indoor level (Lp)	
						C(diffus) /dB						EN 12354-4; B.1-5:	0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi180	**Label**		HLIN //DACH			**Action radius/m**						99999,00	
	Group		extension sources			**Lw (Day) /dB(A)**						81,08	
	Number of nodes		7			**Lw (Night) /dB(A)**						81,08	
	Length/ m		59,18			**Lw" (Day) /dB(A)**						58,48	
	Length/ m (2D)		59,18			**Lw" (Night) /dB(A)**						58,48	
	Area /m²		186,03			**D0**						0,00	
						High building/high noise source						No	
						Emission is						Indoor level (Lp)	
						C(diffus) /dB						EN 12354-4; B.1-5:	0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,1	- - 78,7	74,2 75,0 82,5	58,6 66,6 63,1	59,0 62,5 64,0	54,6 57,1 58,9	49,5 49,9 50,6	38,5 38,2 37,3	30,7 30,2 30,4	31,3 31,0 30,9	32,0 27,0 26,3
FLQi180 /1	**Label**		Opening 1			**Action radius/m**						99999,00	
Opening	**Group**		extension sources			**Lw (Day) /dB(A)**						81,78	
(FLQi293)	**Number of nodes**		5			**Lw (Night) /dB(A)**						81,78	

	Length/ m		8,00				**Lw" (Day) /dB(A)**							75,76
	Length/ m (2D)		8,00				**Lw" (Night) /dB(A)**							75,76
	Area /m²		4,00				**D0**							0,00
							High building/high noise source							No
							Emission is							Indoor level (Lp)
							C(diffus) /dB							EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3	
		Correction /dB		-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	
		Lw" /dB	81,1	- - 68,7	64,2 65,0 72,5	63,6 71,6 68,1	64,0 67,5 69,0	64,6 67,1 68,9	67,5 67,9 68,6	65,5 65,2 64,3	63,7 63,2 63,4	61,3 61,0 60,9	62,0 57,0 56,3	
	Night	Emission /dB	91,1	- - 78,7	74,2 75,0 82,5	73,6 81,6 78,1	74,0 77,5 79,0	74,6 77,1 78,9	77,5 77,9 78,6	75,5 75,2 74,3	73,7 73,2 73,4	71,3 71,0 70,9	72,0 67,0 66,3	
		Correction /dB		-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	
		Lw" /dB	81,1	- - 68,7	64,2 65,0 72,5	63,6 71,6 68,1	64,0 67,5 69,0	64,6 67,1 68,9	67,5 67,9 68,6	65,5 65,2 64,3	63,7 63,2 63,4	61,3 61,0 60,9	62,0 57,0 56,3	
FLQi181	**Label**		HLIN /WAND1				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							83,29
	Number of nodes		5				**Lw (Night) /dB(A)**							83,29
	Length/ m		70,56				**Lw" (Day) /dB(A)**							58,44
	Length/ m (2D)		30,56				**Lw" (Night) /dB(A)**							58,44
	Area /m²		305,64				**D0**							0,00
							High building/high noise source							No
							Emission is							Indoor level (Lp)
							C(diffus) /dB							EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,3	- - 83,3	81,5 68,3 72,7	80,6 77,1 73,0	74,3 76,5 77,9	78,6 79,6 79,2	79,0 78,5 76,6	77,6 76,5 74,2	72,5 72,3 70,9	70,0 68,0 64,8	62,0 58,9 57,5	
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0	
		Lw" /dB	85,9	- - 83,3	81,5 68,3 72,7	65,6 62,1 58,0	59,3 61,5 62,9	58,6 59,6 59,2	51,0 50,5 48,6	40,6 39,5 37,2	29,5 29,3 27,9	30,0 28,0 24,8	22,0 18,9 17,5	
	Night	Emission /dB	91,3	- - 83,3	81,5 68,3 72,7	80,6 77,1 73,0	74,3 76,5 77,9	78,6 79,6 79,2	79,0 78,5 76,6	77,6 76,5 74,2	72,5 72,3 70,9	70,0 68,0 64,8	62,0 58,9 57,5	
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0	
		Lw" /dB	85,9	- - 83,3	81,5 68,3 72,7	65,6 62,1 58,0	59,3 61,5 62,9	58,6 59,6 59,2	51,0 50,5 48,6	40,6 39,5 37,2	29,5 29,3 27,9	30,0 28,0 24,8	22,0 18,9 17,5	
FLQi185	**Label**		HLIN /DACH				**Action radius/m**							99999,00
	Group		extension sources				**Lw (Day) /dB(A)**							82,08
	Number of nodes		5				**Lw (Night) /dB(A)**							82,08
	Length/ m		61,33				**Lw" (Day) /dB(A)**							58,44
	Length/ m (2D)		61,33				**Lw" (Night) /dB(A)**							58,44
	Area /m²		235,07				**D0**							0,00
							High building/high noise source							No
							Emission is							Indoor level (Lp)
							C(diffus) /dB							EN 12354-4; B.1-5: 0.0
	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,3	- - 83,3	81,5 68,3 72,7	80,6 77,1 73,0	74,3 76,5 77,9	78,6 79,6 79,2	79,0 78,5 76,6	77,6 76,5 74,2	72,5 72,3 70,9	70,0 68,0 64,8	62,0 58,9 57,5	
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0	
		Lw" /dB	85,9	- - 83,3	81,5 68,3 72,7	65,6 62,1 58,0	59,3 61,5 62,9	58,6 59,6 59,2	51,0 50,5 48,6	40,6 39,5 37,2	29,5 29,3 27,9	30,0 28,0 24,8	22,0 18,9 17,5	

	Night	Emission /dB	91,3	- - 83,3	81,5 68,3 72,7	80,6 77,1 73,0	74,3 76,5 77,9	78,6 79,6 79,2	79,0 78,5 76,6	77,6 76,5 74,2	72,5 72,3 70,9	70,0 68,0 64,8	62,0 58,9 57,5
		Sound insul. /dB		0,0 0,0 0,0	0,0 0,0 0,0	15,0 15,0 15,0	15,0 15,0 15,0	20,0 20,0 20,0	28,0 28,0 28,0	37,0 37,0 37,0	43,0 43,0 43,0	40,0 40,0 40,0	40,0 40,0 40,0
		Lw" /dB	85,9	- - 83,3	81,5 68,3 72,7	65,6 62,1 58,0	59,3 61,5 62,9	58,6 59,6 59,2	51,0 50,5 48,6	40,6 39,5 37,2	29,5 29,3 27,9	30,0 28,0 24,8	22,0 18,9 17,5

FLQi185 /1	**Label**	Opening 1	**Action radius/m**		99999,00
Opening	**Group**	extension sources	**Lw (Day) /dB(A)**		81,36
(FLQi294)	**Number of nodes**	5	**Lw (Night) /dB(A)**		81,36
	Length/ m	8,00	**Lw" (Day) /dB(A)**		75,34
	Length/ m (2D)	8,00	**Lw" (Night) /dB(A)**		75,34
	Area /m²	4,00	**D0**		0,00
			High building/high noise source		No
			Emission is		Indoor level (Lp)
			C(diffus) /dB		EN 12354-4; B.1-5: 0.0

	Emiss. variant		**Sum**	**16 Hz**	**31.5 Hz**	**63 Hz**	**125 Hz**	**250 Hz**	**500 Hz**	**1000 Hz**	**2000 Hz**	**4000 Hz**	**8000 Hz**	
	Day	Emission /dB	91,3	- - 83,3	81,5 68,3 72,7	80,6 77,1 73,0	74,3 76,5 77,9	78,6 79,6 79,2	79,0 78,5 76,6	77,6 76,5 74,2	72,5 72,3 70,9	70,0 68,0 64,8	62,0 58,9 57,5
		Correction /dB		-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0
		Lw" /dB	81,3	- - 73,3	71,5 58,3 62,7	70,6 67,1 63,0	64,3 66,5 67,9	68,6 69,6 69,2	69,0 68,5 66,6	67,6 66,5 64,2	62,5 62,3 60,9	60,0 58,0 54,8	52,0 48,9 47,5
	Night	Emission /dB	91,3	- - 83,3	81,5 68,3 72,7	80,6 77,1 73,0	74,3 76,5 77,9	78,6 79,6 79,2	79,0 78,5 76,6	77,6 76,5 74,2	72,5 72,3 70,9	70,0 68,0 64,8	62,0 58,9 57,5
		Correction /dB		-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0	-10,0 -10,0 -10,0
		Lw" /dB	81,3	- - 73,3	71,5 58,3 62,7	70,6 67,1 63,0	64,3 66,5 67,9	68,6 69,6 69,2	69,0 68,5 66,6	67,6 66,5 64,2	62,5 62,3 60,9	60,0 58,0 54,8	52,0 48,9 47,5

FLQi245	**Label**	GT03 - N	**Action radius/m**		99999,00
	Group	Extension GT03 2017	**D0**		0,00
	Number of nodes	5	**High building/high noise source**		No
	Length/ m	25,05	**Emission is**		SPL per unit area (Lw/m²)
	Length/ m (2D)	5,85	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	28,09		dB(A)	dB	dB	dB(A)	dB(A)
			Day	80,00	-	-	94,49	80,00
			Night	80,00	-	-	94,49	80,00
FLQi248	**Label**	GT03 - W	**Action radius/m**		99999,00
	Group	Extension GT03 2017	**D0**		0,00
	Number of nodes	5	**High building/high noise source**		No
	Length/ m	50,27	**Emission is**		SPL per unit area (Lw/m²)
	Length/ m (2D)	31,07	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	149,12		dB(A)	dB	dB	dB(A)	dB(A)
			Day	77,45	-	-	99,18	77,45
			Night	77,45	-	-	99,18	77,45
FLQi250	**Label**	HLIN*/WAND1	**Action radius/m**		99999,00
	Group	Extension GT03 2017	**D0**		0,00
	Number of nodes	5	**High building/high noise source**		No
	Length/ m	7,35	**Emission is**		SPL per unit area (Lw/m²)
	Length/ m (2D)	3,35	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	3,35		dB(A)	dB	dB	dB(A)	dB(A)
			Day	-99,00	-	-	-99,00	
			Night	-99,00	-	-	-99,00	
FLQi251	**Label**	Raccordo - E	**Action radius/m**		99999,00
	Group	Extension GT03 2017	**D0**		0,00
	Number of nodes	5	**High building/high noise source**		No
	Length/ m	22,99	**Emission is**		SPL per unit area (Lw/m²)
	Length/ m (2D)	18,99	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	18,99		dB(A)	dB	dB	dB(A)	dB(A)
			Day	83,00	-	-	95,79	83,00
			Night	83,00	-	-	95,79	83,00
FLQi253	**Label**	Raccordo - W	**Action radius/m**		99999,00

	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	22,91	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	18,91	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	18,91		dB(A)	dB	dB	dB(A)	dB(A)
			Day	83,00	-	-	95,77	83,00
			Night	83,00	-	-	95,77	83,00
FLQi254	**Label**	Raccordo - roof	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	22,28	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	22,28	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	15,79		dB(A)	dB	dB	dB(A)	dB(A)
			Day	83,00	-	-	94,99	83,00
			Night	83,00	-	-	94,99	83,00
FLQi255	**Label**	Gas compressor - N	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	20,43	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	13,43	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	23,50		dB(A)	dB	dB	dB(A)	dB(A)
			Day	70,00	-	-	83,71	70,00
			Night	70,00	-	-	83,71	70,00
FLQi256	**Label**	Gas compressor - E	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	12,53	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	5,53	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	9,67		dB(A)	dB	dB	dB(A)	dB(A)
			Day	70,00	-	-	79,86	70,00
			Night	70,00	-	-	79,86	70,00
FLQi257	**Label**	Gas compressor - S	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	20,43	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	13,43	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	23,50		dB(A)	dB	dB	dB(A)	dB(A)
			Day	70,00	-	-	83,71	70,00
			Night	70,00	-	-	83,71	70,00
FLQi258	**Label**	Gas Compressor - W	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	12,53	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	5,53	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	9,67		dB(A)	dB	dB	dB(A)	dB(A)
			Day	70,00	-	-	79,86	70,00
			Night	70,00	-	-	79,86	70,00
FLQi259	**Label**	Gas compressor - roof	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	18,96	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	18,96	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	18,56		dB(A)	dB	dB	dB(A)	dB(A)
			Day	73,40	-	-	86,08	73,40
			Night	73,40	-	-	86,08	73,40
FLQi260	**Label**	Boiler10 N	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	19,31	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	9,71	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	23,30		dB(A)	dB	dB	dB(A)	dB(A)
			Day	76,93	-	-	90,61	76,93
			Night	76,93	-	-	90,61	76,93
FLQi261	**Label**	Boiler10 E	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00

	Number of nodes	5	**High building/high noise source**					No
	Length/ m	42,34	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	32,74	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	78,58		dB(A)	dB	dB	dB(A)	dB(A)
			Day	75,69	-	-	94,64	75,69
			Night	75,69	-	-	94,64	75,69
FLQi262	**Label**	Boiler10 S	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	19,31	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	9,71	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	23,30		dB(A)	dB	dB	dB(A)	dB(A)
			Day	83,00	-	-	96,67	83,00
			Night	83,00	-	-	96,67	83,00
FLQi263	**Label**	Boiler10 W	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	42,34	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	32,74	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	78,58		dB(A)	dB	dB	dB(A)	dB(A)
			Day	75,58	-	-	94,53	75,58
			Night	75,58	-	-	94,53	75,58
FLQi264	**Label**	Boiler10 - roof	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	42,45	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	42,45	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	79,47		dB(A)	dB	dB	dB(A)	dB(A)
			Day	76,38	-	-	95,39	76,38
			Night	76,38	-	-	95,39	76,38
FLQi265	**Label**	GT03 - N	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	11,85	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	5,85	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	8,78		dB(A)	dB	dB	dB(A)	dB(A)
			Day	78,00	-	-	87,43	78,00
			Night	78,00	-	-	87,43	78,00
FLQi266	**Label**	GT03 - E	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	37,23	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	31,23	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	46,84		dB(A)	dB	dB	dB(A)	dB(A)
			Day	79,80	-	-	96,50	79,80
			Night	79,80	-	-	96,50	79,80
FLQi267	**Label**	GT03 - S	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	11,57	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	5,57	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	8,36		dB(A)	dB	dB	dB(A)	dB(A)
			Day	81,79	-	-	91,01	81,79
			Night	81,79	-	-	91,01	81,79
FLQi268	**Label**	GT03 - W	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No
	Length/ m	37,07	**Emission is**					SPL per unit area (Lw/m²)
	Length/ m (2D)	31,07	**Emi. variant**	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	46,60		dB(A)	dB	dB	dB(A)	dB(A)
			Day	-99,00	-	-	-99,00	
			Night	-99,00	-	-	-99,00	
FLQi269	**Label**	GT03 - roof	**Action radius/m**					99999,00
	Group	Extension GT03 2017	**D0**					0,00
	Number of nodes	5	**High building/high noise source**					No

	Length/ m	36,86	Emission is				SPL per unit area (Lw/m²)	
	Length/ m (2D)	36,86	Emi. variant	Emission	Sound insul.	Correction	Lw	Lw"
	Area /m²	44,47		dB(A)	dB	dB	dB(A)	dB(A)
			Day	81,80	-	-	98,28	81,80
			Night	81,80	-	-	98,28	81,80

Gradients and gradient correction DStg for roads										
Element	Name	Section	s /m	ds /m	Gradient /%	Gradient /%	Dstg /dB	Dstg /dB	Dstg /dB	Hint
			m	m	coord.	for calc.	Day	Night		
STRb001	Truck -A	1	0,00	14,17	0,00	0,00	0,00			Max.
		2	14,17	21,25	0,00	0,00	0,00			
		3	35,42	87,51	0,00	0,00	0,00			
		4	122,93	5,49	0,00	0,00	0,00			
		5	128,43	6,96	0,00	0,00	0,00			
		6	135,38	23,17	0,00	0,00	0,00			
		7	158,55	36,19	0,00	0,00	0,00			
		8	194,74	24,85	0,00	0,00	0,00			
		9	219,59	27,08	0,00	0,00	0,00			
		10	246,67	37,26	0,00	0,00	0,00			
		11	283,93	40,70	0,00	0,00	0,00			
		12	324,63	13,49	0,00	0,00	0,00			
		13	338,13	5,73	0,00	0,00	0,00			
		14	343,86	9,66	0,00	0,00	0,00			
		15	353,52	9,08	0,00	0,00	0,00			
		16	362,60	29,43	0,00	0,00	0,00			
		17	392,03	7,50	0,00	0,00	0,00			
		18	399,53	17,90	0,00	0,00	0,00			
		19	417,42	32,43	0,00	0,00	0,00			
		20	449,85	17,61	0,00	0,00	0,00			
		21	467,46	13,11	0,00	0,00	0,00			
		22	480,57	26,70	0,00	0,00	0,00			
		23	507,27	5,81	0,00	0,00	0,00			
		24	513,07	7,87	0,00	0,00	0,00			
		25	520,94	27,90	0,00	0,00	0,00			
		26	548,84	7,27	0,00	0,00	0,00			
		27	556,11	56,44	0,00	0,00	0,00			
		28	612,55	28,54	0,00	0,00	0,00			
		29	641,09	41,82	0,00	0,00	0,00			
		30	682,92	34,06	0,00	0,00	0,00			
		31	716,97	6,53	0,00	0,00	0,00			
		32	723,51	17,14	0,00	0,00	0,00			
		33	740,65	35,74	0,00	0,00	0,00			
		34	776,39	23,82	0,00	0,00	0,00			
		35	800,21	8,80	0,00	0,00	0,00			
		36	809,01	20,30	0,00	0,00	0,00			
		37	829,31	40,13	0,00	0,00	0,00			
		38	869,43	24,85	0,00	0,00	0,00			
		39	894,29	11,21	0,00	0,00	0,00			
		40	905,50	7,41	0,00	0,00	0,00			
		41	912,91	12,65	0,00	0,00	0,00			
		42	925,56	33,62	0,00	0,00	0,00			
STRb002	Truck -B	1	0,00	14,17	0,00	0,00	0,00			Max.
		2	14,17	21,25	0,00	0,00	0,00			
		3	35,42	87,51	0,00	0,00	0,00			
		4	122,93	5,49	0,00	0,00	0,00			
		5	128,43	6,96	0,00	0,00	0,00			
		6	135,38	23,17	0,00	0,00	0,00			
		7	158,55	36,19	0,00	0,00	0,00			
		8	194,74	24,85	0,00	0,00	0,00			
		9	219,59	27,08	0,00	0,00	0,00			
		10	246,67	37,26	0,00	0,00	0,00			
		11	283,93	40,70	0,00	0,00	0,00			
		12	324,63	13,49	0,00	0,00	0,00			
		13	338,13	5,73	0,00	0,00	0,00			

		14	343,86	9,66	0,00	0,00	0,00			
		15	353,52	9,08	0,00	0,00	0,00			
		16	362,60	80,18	0,00	0,00	0,00			
		17	442,78	8,40	0,00	0,00	0,00			
		18	451,19	42,72	0,00	0,00	0,00			
		19	493,91	18,73	0,00	0,00	0,00			
		20	512,63	8,22	0,00	0,00	0,00			
		21	520,85	52,95	0,00	0,00	0,00			
		22	573,80	27,17	0,00	0,00	0,00			
		23	600,97	5,81	0,00	0,00	0,00			
		24	606,78	7,87	0,00	0,00	0,00			
		25	614,65	27,90	0,00	0,00	0,00			
		26	642,55	7,27	0,00	0,00	0,00			
		27	649,81	56,44	0,00	0,00	0,00			
		28	706,26	28,54	0,00	0,00	0,00			
		29	734,80	41,82	0,00	0,00	0,00			
		30	776,62	34,06	0,00	0,00	0,00			
		31	810,68	6,53	0,00	0,00	0,00			
		32	817,21	17,14	0,00	0,00	0,00			
		33	834,35	35,78	0,00	0,00	0,00			
		34	870,13	23,80	0,00	0,00	0,00			
		35	893,93	8,80	0,00	0,00	0,00			
		36	902,73	20,30	0,00	0,00	0,00			
		37	923,03	40,13	0,00	0,00	0,00			
		38	963,15	24,85	0,00	0,00	0,00			
		39	988,01	11,21	0,00	0,00	0,00			
		40	999,22	7,41	0,00	0,00	0,00			
		41	1006,63	12,65	0,00	0,00	0,00			
		42	1019,28	33,62	0,00	0,00	0,00			
STRb003	Truck -C	1	0,00	14,17	0,00	0,00	0,00			Max.
		2	14,17	21,25	0,00	0,00	0,00			
		3	35,42	87,51	0,00	0,00	0,00			
		4	122,93	5,49	0,00	0,00	0,00			
		5	128,43	6,96	0,00	0,00	0,00			
		6	135,38	23,17	0,00	0,00	0,00			
		7	158,55	36,19	0,00	0,00	0,00			
		8	194,74	24,85	0,00	0,00	0,00			
		9	219,59	27,08	0,00	0,00	0,00			
		10	246,67	37,26	0,00	0,00	0,00			
		11	283,93	40,70	0,00	0,00	0,00			
		12	324,63	13,49	0,00	0,00	0,00			
		13	338,13	5,73	0,00	0,00	0,00			
		14	343,86	9,66	0,00	0,00	0,00			
		15	353,52	9,08	0,00	0,00	0,00			
		16	362,60	29,36	0,00	0,00	0,00			
		17	391,96	7,26	0,00	0,00	0,00			
		18	399,23	18,27	0,00	0,00	0,00			
		19	417,50	32,43	0,00	0,00	0,00			
		20	449,93	17,61	0,00	0,00	0,00			
		21	467,54	13,11	0,00	0,00	0,00			
		22	480,64	26,70	0,00	0,00	0,00			
		23	507,35	5,81	0,00	0,00	0,00			
		24	513,15	7,87	0,00	0,00	0,00			
		25	521,02	27,90	0,00	0,00	0,00			
		26	548,92	7,27	0,00	0,00	0,00			
		27	556,19	56,44	0,00	0,00	0,00			
		28	612,63	28,54	0,00	0,00	0,00			
		29	641,17	41,82	0,00	0,00	0,00			
		30	683,00	34,06	0,00	0,00	0,00			
		31	717,05	6,53	0,00	0,00	0,00			
		32	723,59	17,14	0,00	0,00	0,00			
		33	740,73	35,70	0,00	0,00	0,00			
		34	776,43	23,89	0,00	0,00	0,00			
		35	800,32	8,80	0,00	0,00	0,00			
		36	809,12	20,30	0,00	0,00	0,00			

		37	829,42	40,13	0,00	0,00	0,00			
		38	869,55	24,85	0,00	0,00	0,00			
		39	894,40	11,21	0,00	0,00	0,00			
		40	905,61	7,41	0,00	0,00	0,00			
		41	913,02	12,65	0,00	0,00	0,00			
		42	925,67	33,62	0,00	0,00	0,00			
STRb004	Truck - G	1	0,00	14,70	0,00	0,00	0,00			Max.
		2	14,70	28,46	0,00	0,00	0,00			
		3	43,16	69,73	0,00	0,00	0,00			
		4	112,89	11,55	0,00	0,00	0,00			
		5	124,43	5,06	0,00	0,00	0,00			
		6	129,50	6,35	0,00	0,00	0,00			
		7	135,85	41,35	0,00	0,00	0,00			
		8	177,20	33,42	0,00	0,00	0,00			
		9	210,62	10,88	0,00	0,00	0,00			
		10	221,50	8,94	0,00	0,00	0,00			
		11	230,44	5,56	0,00	0,00	0,00			
		12	236,01	32,97	0,00	0,00	0,00			
		13	268,97	34,96	0,00	0,00	0,00			
		14	303,93	10,57	0,00	0,00	0,00			
		15	314,50	45,11	0,00	0,00	0,00			
		16	359,61	40,69	0,00	0,00	0,00			
		17	400,30	16,92	0,00	0,00	0,00			
		18	417,22	2,35	0,00	0,00	0,00			
		19	419,57	12,52	0,00	0,00	0,00			
		20	432,09	32,98	0,00	0,00	0,00			
STRb005	Trucks - Sh	1	0,00	14,70	0,00	0,00	0,00			Max.
		2	14,70	28,46	0,00	0,00	0,00			
		3	43,16	69,73	0,00	0,00	0,00			
		4	112,89	11,55	0,00	0,00	0,00			
		5	124,43	5,06	0,00	0,00	0,00			
		6	129,50	6,35	0,00	0,00	0,00			
		7	135,85	41,35	0,00	0,00	0,00			
		8	177,20	33,42	0,00	0,00	0,00			
		9	210,62	10,88	0,00	0,00	0,00			
		10	221,50	8,94	0,00	0,00	0,00			
		11	230,44	5,56	0,00	0,00	0,00			
		12	236,01	32,97	0,00	0,00	0,00			
		13	268,97	34,96	0,00	0,00	0,00			
		14	303,93	10,57	0,00	0,00	0,00			
		15	314,50	45,11	0,00	0,00	0,00			
		16	359,61	40,69	0,00	0,00	0,00			
		17	400,30	16,92	0,00	0,00	0,00			
		18	417,22	2,35	0,00	0,00	0,00			
		19	419,57	12,52	0,00	0,00	0,00			
		20	432,09	32,98	0,00	0,00	0,00			
STRb006	Trucks - W	1	0,00	14,70	0,00	0,00	0,00			Max.
		2	14,70	28,46	0,00	0,00	0,00			
		3	43,16	69,73	0,00	0,00	0,00			
		4	112,89	11,55	0,00	0,00	0,00			
		5	124,43	5,06	0,00	0,00	0,00			
		6	129,50	6,35	0,00	0,00	0,00			
		7	135,85	41,35	0,00	0,00	0,00			
		8	177,20	33,42	0,00	0,00	0,00			
		9	210,62	10,88	0,00	0,00	0,00			
		10	221,50	8,94	0,00	0,00	0,00			
		11	230,44	5,56	0,00	0,00	0,00			
		12	236,01	32,97	0,00	0,00	0,00			
		13	268,97	34,96	0,00	0,00	0,00			
		14	303,93	15,87	0,00	0,00	0,00			
		15	319,80	42,94	0,00	0,00	0,00			
		16	362,74	23,14	0,00	0,00	0,00			
		17	385,87	36,20	0,00	0,00	0,00			
		18	422,08	2,35	0,00	0,00	0,00			
		19	424,43	12,52	0,00	0,00	0,00			

		20	436,95	32,98	0,00	0,00	0,00			
STRb007	Truck -A*	1	0,00	14,17	0,00	0,00	0,00			Max.
		2	14,17	21,25	0,00	0,00	0,00			
		3	35,42	87,51	0,00	0,00	0,00			
		4	122,93	5,49	0,00	0,00	0,00			
		5	128,43	6,96	0,00	0,00	0,00			
		6	135,38	23,17	0,00	0,00	0,00			
		7	158,55	36,19	0,00	0,00	0,00			
		8	194,74	24,85	0,00	0,00	0,00			
		9	219,59	27,08	0,00	0,00	0,00			
		10	246,67	37,26	0,00	0,00	0,00			
		11	283,93	40,70	0,00	0,00	0,00			
		12	324,63	13,49	0,00	0,00	0,00			
		13	338,13	5,73	0,00	0,00	0,00			
		14	343,86	9,66	0,00	0,00	0,00			
		15	353,52	9,08	0,00	0,00	0,00			
		16	362,60	29,43	0,00	0,00	0,00			
		17	392,03	7,50	0,00	0,00	0,00			
		18	399,53	17,90	0,00	0,00	0,00			
		19	417,42	32,43	0,00	0,00	0,00			
		20	449,85	17,61	0,00	0,00	0,00			
		21	467,46	13,11	0,00	0,00	0,00			
		22	480,57	26,70	0,00	0,00	0,00			
		23	507,27	5,81	0,00	0,00	0,00			
		24	513,07	7,87	0,00	0,00	0,00			
		25	520,94	27,90	0,00	0,00	0,00			
		26	548,84	7,27	0,00	0,00	0,00			
		27	556,11	56,44	0,00	0,00	0,00			
		28	612,55	28,54	0,00	0,00	0,00			
		29	641,09	41,82	0,00	0,00	0,00			
		30	682,92	34,06	0,00	0,00	0,00			
		31	716,97	6,53	0,00	0,00	0,00			
		32	723,51	17,14	0,00	0,00	0,00			
		33	740,65	35,74	0,00	0,00	0,00			
		34	776,39	23,82	0,00	0,00	0,00			
		35	800,21	8,80	0,00	0,00	0,00			
		36	809,01	20,30	0,00	0,00	0,00			
		37	829,31	40,13	0,00	0,00	0,00			
		38	869,43	24,85	0,00	0,00	0,00			
		39	894,29	11,21	0,00	0,00	0,00			
		40	905,50	7,41	0,00	0,00	0,00			
		41	912,91	12,65	0,00	0,00	0,00			
		42	925,56	33,62	0,00	0,00	0,00			
STRb008	Truck -B*	1	0,00	14,17	0,00	0,00	0,00			Max.
		2	14,17	21,25	0,00	0,00	0,00			
		3	35,42	87,51	0,00	0,00	0,00			
		4	122,93	5,49	0,00	0,00	0,00			
		5	128,43	6,96	0,00	0,00	0,00			
		6	135,38	23,17	0,00	0,00	0,00			
		7	158,55	36,19	0,00	0,00	0,00			
		8	194,74	24,85	0,00	0,00	0,00			
		9	219,59	27,08	0,00	0,00	0,00			
		10	246,67	37,26	0,00	0,00	0,00			
		11	283,93	40,70	0,00	0,00	0,00			
		12	324,63	13,49	0,00	0,00	0,00			
		13	338,13	5,73	0,00	0,00	0,00			
		14	343,86	9,66	0,00	0,00	0,00			
		15	353,52	9,08	0,00	0,00	0,00			
		16	362,60	80,18	0,00	0,00	0,00			
		17	442,78	8,40	0,00	0,00	0,00			
		18	451,19	42,72	0,00	0,00	0,00			
		19	493,91	18,73	0,00	0,00	0,00			
		20	512,63	8,22	0,00	0,00	0,00			
		21	520,85	52,95	0,00	0,00	0,00			
		22	573,80	27,17	0,00	0,00	0,00			

		23	600,97	5,81	0,00	0,00	0,00			
		24	606,78	7,87	0,00	0,00	0,00			
		25	614,65	27,90	0,00	0,00	0,00			
		26	642,55	7,27	0,00	0,00	0,00			
		27	649,81	56,44	0,00	0,00	0,00			
		28	706,26	28,54	0,00	0,00	0,00			
		29	734,80	41,82	0,00	0,00	0,00			
		30	776,62	34,06	0,00	0,00	0,00			
		31	810,68	6,53	0,00	0,00	0,00			
		32	817,21	17,14	0,00	0,00	0,00			
		33	834,35	35,78	0,00	0,00	0,00			
		34	870,13	23,80	0,00	0,00	0,00			
		35	893,93	8,80	0,00	0,00	0,00			
		36	902,73	20,30	0,00	0,00	0,00			
		37	923,03	40,13	0,00	0,00	0,00			
		38	963,15	24,85	0,00	0,00	0,00			
		39	988,01	11,21	0,00	0,00	0,00			
		40	999,22	7,41	0,00	0,00	0,00			
		41	1006,63	12,65	0,00	0,00	0,00			
		42	1019,28	33,62	0,00	0,00	0,00			
STRb009	Truck -C*	1	0,00	14,17	0,00	0,00	0,00			Max.
		2	14,17	21,25	0,00	0,00	0,00			
		3	35,42	87,51	0,00	0,00	0,00			
		4	122,93	5,49	0,00	0,00	0,00			
		5	128,43	6,96	0,00	0,00	0,00			
		6	135,38	23,17	0,00	0,00	0,00			
		7	158,55	36,19	0,00	0,00	0,00			
		8	194,74	24,85	0,00	0,00	0,00			
		9	219,59	27,08	0,00	0,00	0,00			
		10	246,67	37,26	0,00	0,00	0,00			
		11	283,93	40,70	0,00	0,00	0,00			
		12	324,63	13,49	0,00	0,00	0,00			
		13	338,13	5,73	0,00	0,00	0,00			
		14	343,86	9,66	0,00	0,00	0,00			
		15	353,52	9,08	0,00	0,00	0,00			
		16	362,60	29,36	0,00	0,00	0,00			
		17	391,96	7,26	0,00	0,00	0,00			
		18	399,23	18,27	0,00	0,00	0,00			
		19	417,50	32,43	0,00	0,00	0,00			
		20	449,93	17,61	0,00	0,00	0,00			
		21	467,54	13,11	0,00	0,00	0,00			
		22	480,64	26,70	0,00	0,00	0,00			
		23	507,35	5,81	0,00	0,00	0,00			
		24	513,15	7,87	0,00	0,00	0,00			
		25	521,02	27,90	0,00	0,00	0,00			
		26	548,92	7,27	0,00	0,00	0,00			
		27	556,19	56,44	0,00	0,00	0,00			
		28	612,63	28,54	0,00	0,00	0,00			
		29	641,17	41,82	0,00	0,00	0,00			
		30	683,00	34,06	0,00	0,00	0,00			
		31	717,05	6,53	0,00	0,00	0,00			
		32	723,59	17,14	0,00	0,00	0,00			
		33	740,73	35,70	0,00	0,00	0,00			
		34	776,43	23,89	0,00	0,00	0,00			
		35	800,32	8,80	0,00	0,00	0,00			
		36	809,12	20,30	0,00	0,00	0,00			
		37	829,42	40,13	0,00	0,00	0,00			
		38	869,55	24,85	0,00	0,00	0,00			
		39	894,40	11,21	0,00	0,00	0,00			
		40	905,61	7,41	0,00	0,00	0,00			
		41	913,02	12,65	0,00	0,00	0,00			
		42	925,67	33,62	0,00	0,00	0,00			
STRb010	Truck - G*	1	0,00	14,70	0,00	0,00	0,00			Max.
		2	14,70	28,46	0,00	0,00	0,00			
		3	43,16	69,73	0,00	0,00	0,00			

		4	112,89	11,55	0,00	0,00	0,00			
		5	124,43	5,06	0,00	0,00	0,00			
		6	129,50	6,35	0,00	0,00	0,00			
		7	135,85	41,35	0,00	0,00	0,00			
		8	177,20	33,42	0,00	0,00	0,00			
		9	210,62	10,88	0,00	0,00	0,00			
		10	221,50	8,94	0,00	0,00	0,00			
		11	230,44	5,56	0,00	0,00	0,00			
		12	236,01	32,97	0,00	0,00	0,00			
		13	268,97	34,96	0,00	0,00	0,00			
		14	303,93	10,57	0,00	0,00	0,00			
		15	314,50	45,11	0,00	0,00	0,00			
		16	359,61	40,69	0,00	0,00	0,00			
		17	400,30	16,92	0,00	0,00	0,00			
		18	417,22	2,35	0,00	0,00	0,00			
		19	419,57	12,52	0,00	0,00	0,00			
		20	432,09	32,98	0,00	0,00	0,00			
STRb011	Trucks - Sh*	1	0,00	14,70	0,00	0,00	0,00			Max.
		2	14,70	28,46	0,00	0,00	0,00			
		3	43,16	69,73	0,00	0,00	0,00			
		4	112,89	11,55	0,00	0,00	0,00			
		5	124,43	5,06	0,00	0,00	0,00			
		6	129,50	6,35	0,00	0,00	0,00			
		7	135,85	41,35	0,00	0,00	0,00			
		8	177,20	33,42	0,00	0,00	0,00			
		9	210,62	10,88	0,00	0,00	0,00			
		10	221,50	8,94	0,00	0,00	0,00			
		11	230,44	5,56	0,00	0,00	0,00			
		12	236,01	32,97	0,00	0,00	0,00			
		13	268,97	34,96	0,00	0,00	0,00			
		14	303,93	10,57	0,00	0,00	0,00			
		15	314,50	45,11	0,00	0,00	0,00			
		16	359,61	40,69	0,00	0,00	0,00			
		17	400,30	16,92	0,00	0,00	0,00			
		18	417,22	2,35	0,00	0,00	0,00			
		19	419,57	12,52	0,00	0,00	0,00			
		20	432,09	32,98	0,00	0,00	0,00			
STRb012	Trucks - W*	1	0,00	14,70	0,00	0,00	0,00			Max.
		2	14,70	28,46	0,00	0,00	0,00			
		3	43,16	69,73	0,00	0,00	0,00			
		4	112,89	11,55	0,00	0,00	0,00			
		5	124,43	5,06	0,00	0,00	0,00			
		6	129,50	6,35	0,00	0,00	0,00			
		7	135,85	41,35	0,00	0,00	0,00			
		8	177,20	33,42	0,00	0,00	0,00			
		9	210,62	10,88	0,00	0,00	0,00			
		10	221,50	8,94	0,00	0,00	0,00			
		11	230,44	5,56	0,00	0,00	0,00			
		12	236,01	32,97	0,00	0,00	0,00			
		13	268,97	34,96	0,00	0,00	0,00			
		14	303,93	15,87	0,00	0,00	0,00			
		15	319,80	42,94	0,00	0,00	0,00			
		16	362,74	23,14	0,00	0,00	0,00			
		17	385,87	36,20	0,00	0,00	0,00			
		18	422,08	2,35	0,00	0,00	0,00			
		19	424,43	12,52	0,00	0,00	0,00			
		20	436,95	32,98	0,00	0,00	0,00			

*1): The gradient for the calculation has been entered directly.

ANNEX 4 – IOA MEMBERSHIP FRANCO BERTELLINO

Institute of Acoustics

Certificate of Membership

This is to certify that

Franco Bertellino

has been elected as a

Member

of the
Institute of Acoustics

Given under the seal of the Institute
in accordance with the
Articles of Association and By-Laws

President

Institute Secretary

Valid Until *31-12-2017*

Membership Number *50090*

The certificate remains the property of the Institute and shall be returned to the Institute on demand.
Membership of the Institute is subject to annual renewal

The Institute of Acoustics Limited, 3rd Floor, St Peter's House, 45-49 Victoria Street, St Albans, Hertfordshire AL1 3WZ
Tel: +44 (0)1727 848195 Fax: +44 (0)1727 850553 email: ioa@ioa.org.uk www.ioa.org.uk

Limited by Guarantee and Registered in England, No. 1157249 Registered Charity No. 267926

ANNEX 5 – PLANNING COMMENT BY SELBY ENVIRONMENT OFFICE

PLANNING COMMENT

From: Team Leader - Environmental Health To: Jenny Tyreman

Our Ref: DA/WK201800538 Your Ref: 2018/0070/FUL

Date: 1 March 2018 Plan No: 8/19/148BQ/PA

Applicant: Sedalcol UK Ltd

Address: Sedalcol UK Ltd, Denison Road, Selby, North Yorkshire, YO8 8EF.

Application for: Proposed construction of new heat recovery boiler and gas turbine at Sedalcol UK Ltd, Denison Road, Selby, North Yorkshire, YO8 8EF.

With respect to the above application I have noted the Noise Impact Report provided with the application but no assessment of air quality issues has been provided.

Air Quality: As no air quality impact assessment has been provided or any indication of the size, make or model of the gas turbine I would request that an air quality assessment is provided considering the emissions to air from the proposed plant alongside the existing emission points on the site and the impact on residential receptors in the area. It is noted that the new plant is designed to replace an existing gas turbine and compressor and so reduce the environmental impact but this needs to be demonstrated in terms of the emissions and dispersion. Once this information has been provided I would request that I am re-consulted on this application.

Noise: the information provided in the Noise Impact Assessment Report: Gas Turbine GT03/Boiler 10 Extension for Sedacol Uk dated 15 December 2017 has been considered.

It is noted that in Section 4 of this report that is states that Selby District Council's Environmental Health have agreed noise limits of LAeq(5min) 50dB(A) outside residential properties during the daytime period (07:00 –23:00 hours) and LAeq(5min) 45 dB(A) outside residential properties at night (23:00 –07:00 hours). This is incorrect and has previously been pointed out in my response to planning application number 2016/0178/FUL dated 25 April 2016 (DA/WK201601281). These levels were conditioned in planning permissions 2010/0141/FUL and 2010/1332/FUL and relate to only those properties on Ousebank.

I am aware of the previous applications on the site, as referred to in the noise impact assessment, and the noise information provided with these applications and would comment that two developments have taken place where noise assessments were required. These being:

- The new glucose syrup plant: application number 2016/0178/FUL. A condition was attached to the permission requiring that the authorised development may not be brought into commercial use until an Operation Noise Monitoring and Mitigation Scheme had been submitted to and approved by the relevant planning authority (condition 8). I would ask for confirmation that this condition has been discharged as the impacts of this plant need to be considered. I have noted that application

2016/1172/FUL relates to an earth bund and requirements of the permission for this application but does not give the detail required in Condition 8.

- Application for the New Gas Turbine Permission for application 2015/0449/FUL for the installation of a new gas turbine and gas compressor is subject to Condition 8 requiring monitoring of the noise resulting from the unit and a BS4142 assessment to be completed. I would also ask for confirmation that this condition has been discharged.

The assessment has carried out a BS4142 rating in respect to the current noise emissions from the site and I would comment as follows in relation to this:

- I do not agree with the statement that a 5dB penalty is added for any plant which gives rise to sudden peaks or noise or discrete tones and would ask for clarification of how this figure has been arrived at by considering Section 9.2 of BS4142:2014.
- The background levels quoted in the assessment were taken from monitoring in October 2016 and compares to a rating level described as Ante operam. I am not familiar with this term but understand it means before construction and would ask for clarification of what construction this refers to and how this rating level has been determined. From the date of the assessment it would appear that neither the boiler application (2015/0449/FUL) or the glucose syrup plant (2016/0178/FUL) would have been operational.
- The assessment has quoted Selby District Council limits incorrectly for Denison Road showing an excess of 0.5 dBA during the day and 4.5dBA at night. If the noise levels for this area are considered that were quoted in the response to the application 2016/0178/FUL of background levels of 40dBA during daytime hours and 39 dBA during the night increases of 10.5 dBA are found both during the day and night time hours.

The assessment does consider the impact of the applied for plant in terms of noise emissions and concludes that is negligible impact on receptors on the Ousebank and Denison Road. It is agreed that the properties on Ousebank are currently not inhabited and further consideration is not given to this area. Also that the impact on residents on Denison Road is negligible considering either the levels incorrectly quoted in the assessment or those referred to above.

In order to ensure that the residential amenity of the area is not impacted upon I would request that prior to permission being given for this application that a full assessment of noise from the site is made to demonstrate compliance with levels given in Condition 8 of permission 2016/0178/FUL with respect to the current operating noise levels. Additionally I condition may be added to any permission given in respect to this application to demonstrate that the noise levels from the operation of this plant are at the predicted level and do not increase the levels given in the 2016/0178/FUL condition 8.

I would also recommend that this condition is applied to any permission given to this application.

ANNEX 6 – CALIBRATION CERTIFICATES OF THE INSTRUMENTS USED FOR THE SURVEY

Microbel S.r.l.
Corso Primo Levi 23b
10098 Rivoli (TO)

Centro di Taratura N°213
Calibration Centre
Laboratorio Accreditato di Taratura

ACCREDIA
L'ENTE ITALIANO DI ACCREDITAMENTO
LAT N° 213
Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFICATO DI TARATURA LAT 213 S/16/169/00/SLM
Certificate of calibration

- data di emissione *date of issue*	2016-10-13
- cliente *customer*	MICROBEL S.R.L. Corso Primo Levi 23b Rivoli (TO)
- destinatario *receiver*	MICROBEL S.R.L. Corso Primo Levi 23b Rivoli (TO)
- richiesta *application*	ORDINE INTERNO
- in data date	2016-10-13
Si riferisce a *referring to*	
- oggetto *item*	FONOMETRO
- costruttore *manufacturer*	NORSONIC
- modello *model*	140
- matricola *serial number*	1403941
- data di ricevimento oggetto *date of receipt of item*	2016-10-12
- data delle misure *date of measurement*	2016-10-13
- registro di laboratorio *laboratory reference*	2016101304

Il presente certificato di taratura è emesso in base all'accreditamento LAT N. 213 rilasciato in accordo ai decreti attuativi della legge n.273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT). ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali e internazionali delle unità di misura del Sistema Internazionale delle Unità (SI).
Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.

This certificate of calibration is issued in compliance with the accreditation LAT N° 213 granted according to decrees connected with Italian law No. 273/1991, which has established the National Calibration System. ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI). This certificate may not be partially reproduced, except with the prior written permission of the issuing Centre.

I risultati di misura riportati nel presente Certificato sono stati ottenuti applicandole procedure di taratura citate alla pagina seguente, dove sono specificati anche i campioni o gli strumenti che garantiscono la catena di riferibilità del Centro e i rispettivi certificati di taratura in corso di validità. Essi si riferiscono esclusivamente all'oggetto in taratura e sono validi nel momento e nelle condizioni di taratura, salvo diversamente specificato.
The measurement results reported in this Certificate were obtained following the calibration procedures given in the following page, where the reference standards or instruments are indicated which guarantee the traceability chain of the laboratory, and the related calibration certificates in the course of validity are indicated as well. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.

Le incertezze di misura dichiarate in questo documento sono state determinate conformemente alla Guida ISO/IEC 98 e al documento EA-4/02. Solitamente sono espresse come incertezza estesa ottenuta moltiplicando l'incertezza tipo per il fattore di copertura k corrispondente ad un livello di fiducia di circa il 95 %. Normalmente tale fattore k vale 2.
The measurement uncertainties stated in this document have been determined according to the ISO/IEC Guide 98 and to EA-4/02. Usually, they have been estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor k is 2.

Il Responsabile del Centro
Head of the Centre
Enrico Natalini

Microbel S.r.l.
Corso Primo Levi 23b
10098 Rivoli (TO)

Centro di Taratura N°213
Calibration Centre
Laboratorio Accreditato di Taratura

LAT N° 213
Membro degli Accordi di Mutuo Riconoscimento
EA, IAF e ILAC
Signatory of EA, IAF and ILAC Mutual Recognition Agreements

CERTIFICATO DI TARATURA LAT 213 S/16/170/00/SSR
Certificate of calibration

- data di emissione *date of issue*	2016-10-14
- cliente *customer*	MICROBEL S.R.L. Corso Primo Levi 23b Rivoli (TO)
- destinatario *receiver*	MICROBEL S.R.L. Corso Primo Levi 23b Rivoli (TO)
- richiesta *application*	ORDINE INTERNO
- in data *date*	2016-10-13
Si riferisce a *referring to*	
- oggetto *item*	CALIBRATORE
- costruttore *manufacturer*	NORSONIC
- modello *model*	1251
- matricola *serial number*	33141
- data di ricevimento oggetto *date of receipt of item*	2016-10-12
- data delle misure *date of measurement*	2016-10-14
- registro di laboratorio *laboratory reference*	2016101401

Il presente certificato di taratura è emesso in base all'accreditamento LAT N. 213 rilasciato in accordo ai decreti attuativi della legge n.273/1991 che ha istituito il Sistema Nazionale di Taratura (SNT). ACCREDIA attesta le capacità di misura e di taratura, le competenze metrologiche del Centro e la riferibilità delle tarature eseguite ai campioni nazionali e internazionali delle unità di misura del Sistema Internazionale delle Unità (SI).
Questo certificato non può essere riprodotto in modo parziale, salvo espressa autorizzazione scritta da parte del Centro.

This certificate of calibration is issued in compliance with the accreditation LAT N° 213 granted according to decrees connected with Italian law No. 273/1991 which has established the National Calibration System. ACCREDIA attests the calibration and measurement capability, the metrological competence of the Centre and the traceability of calibration results to the national and international standards of the International System of Units (SI).
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I risultati di misura riportati nel presente Certificato sono stati ottenuti applicandole procedure di taratura citate alla pagina seguente, dove sono specificati anche i campioni o gli strumenti che garantiscono la catena di riferibilità del Centro e i rispettivi certificati di taratura in corso di validità. Essi si riferiscono esclusivamente all'oggetto in taratura e sono validi nel momento e nelle condizioni di taratura, salvo diversamente specificato.
The measurement results reported in this Certificate were obtained following the calibration procedures given in the following page, where the reference standards or instruments are indicated which guarantee the traceability chain of the laboratory, and the related calibration certificates in the course of validity are indicated as well. They relate only to the calibrated item and they are valid for the time and conditions of calibration, unless otherwise specified.

Le incertezze di misura dichiarate in questo documento sono state determinate conformemente alla Guida ISO/IEC 98 e al documento EA-4/02. Solitamente sono espresse come incertezza estesa ottenuta moltiplicando l'incertezza tipo per il fattore di copertura k corrispondente ad un livello di fiducia di circa il 95 %. Normalmente tale fattore k vale 2.
The measurement uncertainties stated in this document have been determined according to the ISO/IEC Guide 98 and to EA-4/02. Usually, they have been estimated as expanded uncertainty obtained multiplying the standard uncertainty by the coverage factor k corresponding to a confidence level of about 95%. Normally, this factor k is 2.

Il Responsabile del Centro
Head of the Centre
Enrico Natalini

ANNEX 7 – BS4142:2014 NOISE ASSESSMENT OF THE EXISTING SITUATION

Information to be reported in accordance to clause 12 BS 4142:2014	Description of information	Ref. to the current report
a) Statement of qualifications, competency, professional membership….	Franco Bertellino, Senior Associate of MICROBEL, is a Senior Noise Consultant, working in the acoustics and vibration since 1990. Member of the Institute of Acoustics (MIOA) since 2014, of the Italian Acoustic Association (AIA) since 1998 and of the Institute of Noise Control Engineering (since 1998).	Annex 4
b) Source being assessed	The present report is addressed to the assessment of the impact of a new extension of SEDALCOL UK plant. In order to assess this impact it was necessary to carry out a noise survey of the existing situation. The present report updates the previous December 2017 version and includes new noise surveys carried out in April and May 2018. It is also addressed to reply to some comments of Selby Environmental Office. Receiver R2 is particularly influenced by traffic on Denison Road. for this reason, in order to identify the specific noise of the source, the noise of car pass-bys was masked, in order to highlight only the contribution of industrial noise. This operation was done for night-time measurements, while it was not possible during day-time, since the traffic pass-bys are much more frequent and it is quite impossible to mask all the pass-by events. Int this case, the percentile LA90 has to be considered a good estimate of the industrial noise at the receiver. Furthermore, in order to highlight any disturbance during the night, a monitoring was carried out throughout the night between 9 and 10 May 2018.	Annex 5
c) Subjective impressions	The industrial noise emitted by SEDALCOL UK Ltd. Plant is mainly produced in the central part of the plant. Since the area of property is very extensive and the plants are very far from the receivers on the west side, the current acoustic impact on these receptors is substantially negligible. Receptors located west of the plant are affected mainly by road traffic on Denison Road and emissions from other industrial sites (such as the Rigid Paper). The emissions of SEDALCOL are very limited and contribute to determine a stationary noise which, however, is very limited. Dominant tones are not perceived	
d) Existing context	See par. 4.1	Par. 4.1
e) Measurement locations	Although 5 potential receivers were identified, it was agreed that only receiver R2 (Denison Road 59) was meaningful, since for other receivers the distance from the plant is such that the emissions can be considered negligible	Par. 4.1
f) Sound measuring systems	NORSONIC NOR140 Sound Level Meter sn. 1403941 NORSONIC NOR1251 calibrator sn. 33141	Annex 6
g) Operational test	Calibration was carried out before and after wach measurement session. No deviations were found (< 0,1 dB).	Par. 5.1
h) Weather conditions	The noise survey was carried out on April 11th, 2018 and May 9-10th, 2018. On both dates, the weather was sunny during day-time. Light showers during night-time in the night May 9-10	

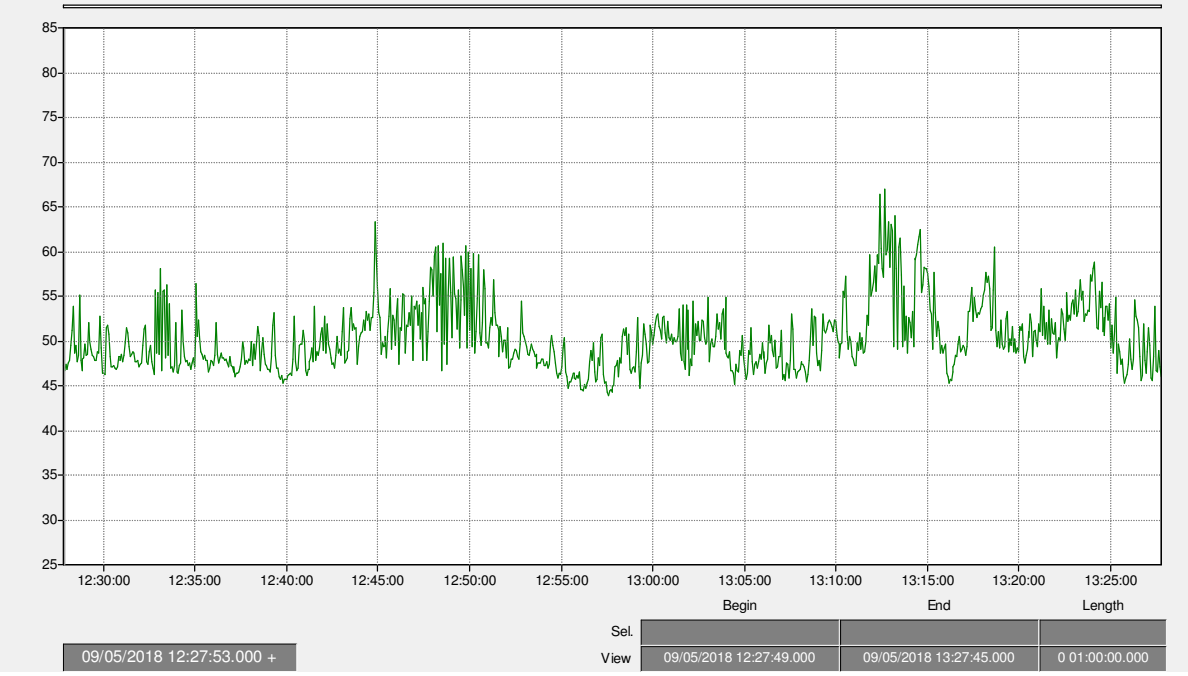
Day-time assessment Receiver R2				
Results	**Indicator**	**Level**	**Relevant clause BS4142:2014**	**Commentary**
		dBA		
Measured ambient sound level	$L_{Aeq,1h}$	53	7.1, 7.3.1	Measured on May 9th, 2018 at the inner courtyard of the residential property, facing the industrial plant. Level highly influenced by the presence of other sources (road noise, industrial plants, birds). In order to consider the worst case, ambient npoise was considered taking into account all of the noise sources contributing, including traffic pass-bys and industrial niose.
Residual sound level	$L_{Aeq, 1h}$	51		Measured on April 11th, 2018 at the inner courtyard of the residential property, facing the industrial plant, during a planned shut-down of SEDALCOL plant. Level influenced by the presence of road noise, industrial sources. In order to consider the worst case it was taken the minimum residual level during day-time
Background sound level	$L_{A90, 1h}$	46		Measured on April 11th, 2018 at the inner courtyard of the residential property, facing the industrial plant, during a planned shut-down of SEDALCOL plant. Level influenced by the presence of road noise, industrial sources. In order to consider the worst case it was taken the minimum residual level during day-time
Assessment made during	Daytime			
Duration	7.00 - 23.00			
Specific sound level	L_{Aeq}	49	7.3.4, 7.3.5	
Acoustic feature correction	None		9.2	
Rating level	L_{Aeq}	49	9.2	
Background sound level	$L_{A90, 15min}$	46		
Excess of rating over background sound level		3	11	
Assessment indicates no likelihood of adverse impact			11	
Uncertainty of the assessment	Not significant		10	In order to consider the worst case, the ambient noise was compared with the minimum background noise occurred during the night. Therefore, the assessment was done in the worst case of possibile conditions and variations.

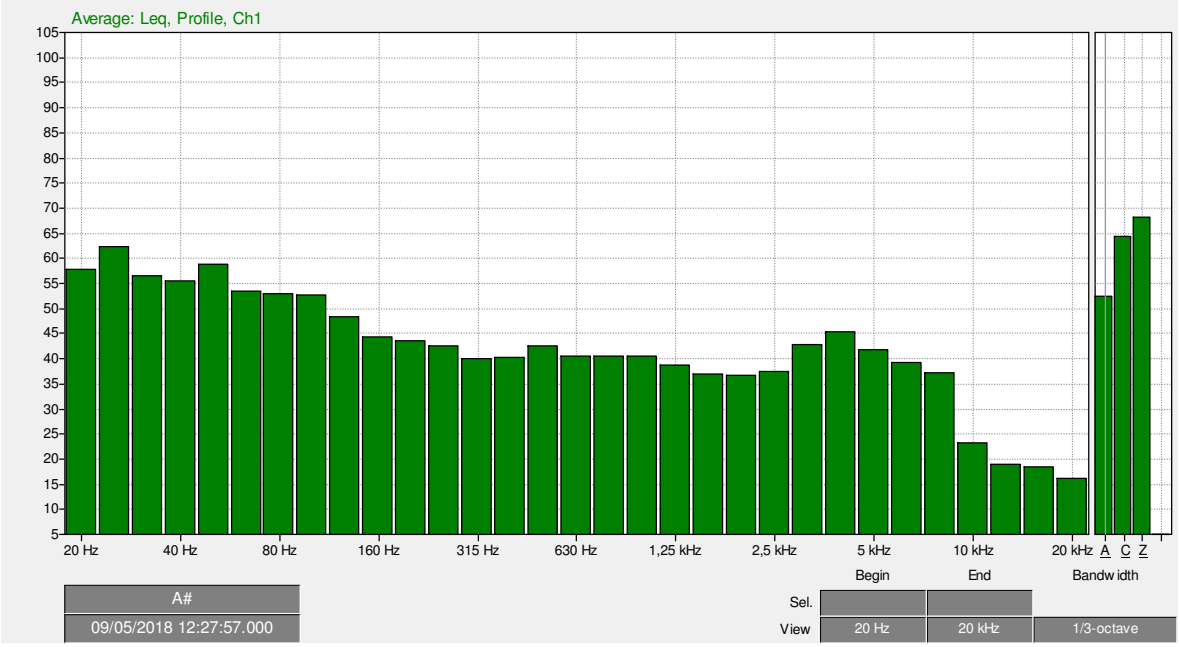
Night-time assessment Receiver R2				
Results	**Indicator**	**Level**	**Relevant clause BS4142:2014**	**Commentary**
		dBA		
Measured ambient sound level	$L_{Aeq, 1h}$	46	7.1, 7.3.1	Measured on May 9th, 2018 at the inner courtyard of the residential property, facing the industrial plant. Level influenced by the presence of road noise, industrial sources. The LAeq was masked for not taking into account the traffic pass-bys on Denison Rd.
Residual sound level	$L_{Aeq, 1h}$	42		Measured on April 11th, 2018 at the inner courtyard of the residential property, facing the industrial plant, during a planned shut-down of SEDALCOL plant. Level influenced by the presence of road noise, industrial sources.
Background sound level	$L_{A90, 1h}$	41		Measured on April 11th, 2018 at the inner courtyard of the residential property, facing the industrial plant. Level influenced by the presence of road noise, industrial sources.
Assessment made during	Night-time			
Duration	23.00 - 7.00			
Specific sound level	L_{Aeq}	44	7.3.4, 7.3.5	
Acoustic feature correction	None		9.2	
Rating level	L_{Aeq}	44	9.2	
Background sound level	$L_{A90, 15min}$	41		
Excess of rating over background sound level		3	11	
Assessment indicates no likelihood of adverse impact			11	
Uncertainty of the assessment	Negligible		10	In order to consider the worst case, the ambient noise was compared with the minimum background noise occurred during the night. Therefore, the assessment was done in the worst case of possibile conditions and variations.

ANNEX 8 – BS4142:2014 NOISE SURVEY DATA

Day-time measurement at receiver R2 (Denison Road, 59 – inner courtyard)

Date: May 9th, 2018
Conditions: SEDALCOL UK Ltd plant in normal operation
Description of the noise source: industrial noise (SEDALCOL, other industrial sites, traffic pass-bys on Denison Road, birds)



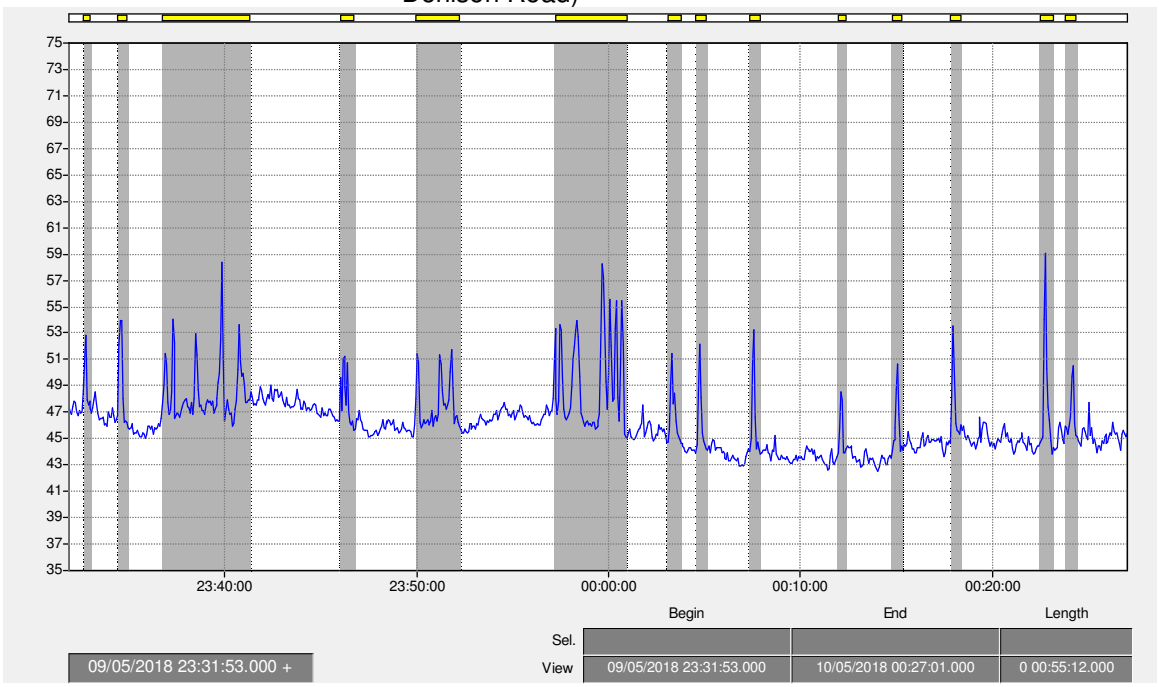


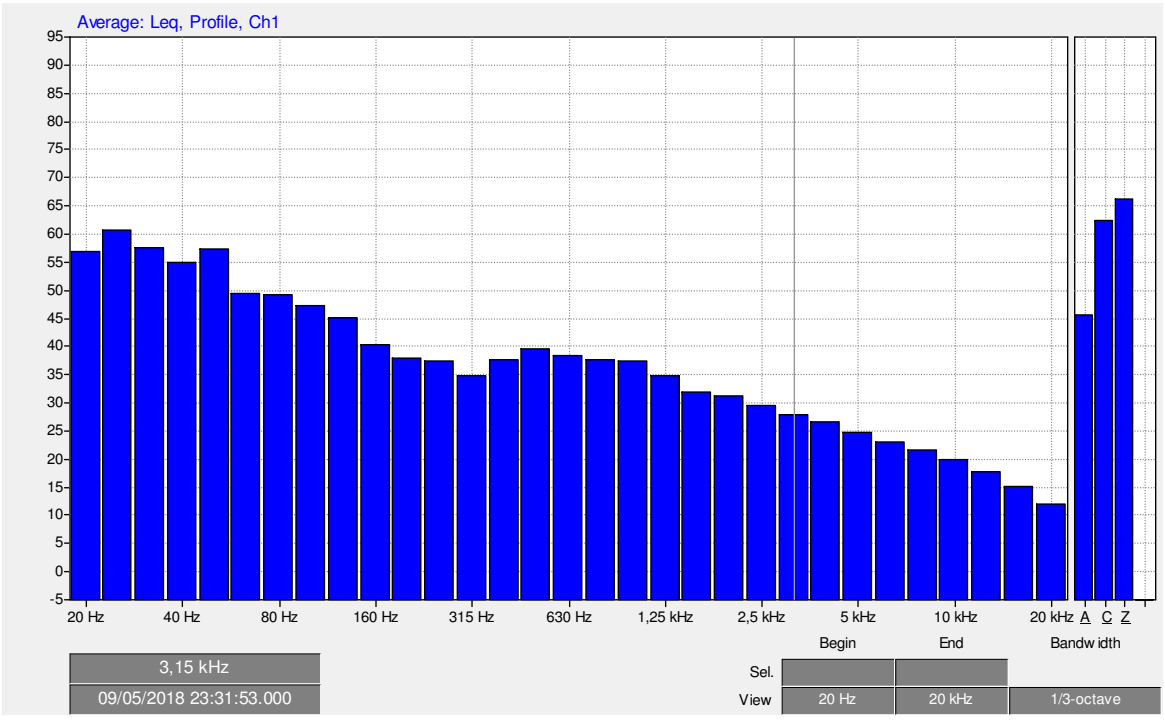
$L_{Aeq,1h}$ = 52,6 dBA
$L_{Aeq,1h,masked}$ = 50,4 dBA
$L_{A90,1h}$ = 46,2 dBA

Comments: due to the traffic pass-bys, daytime is mainly influenced by traffic noise, and therefore the industrial noise, having a stationary feature, is better characterized by the parameter LA90.

Night-time measurement at receiver R2 (Denison Road, 59 – inner courtyard)

Date: May 9th - 10th, 2018
Conditions: SEDALCOL UK Ltd plant in normal operation
Description of the noise source: industrial noise (SEDALCOL, other industrial sites, traffic pass-bys on Denison Road)



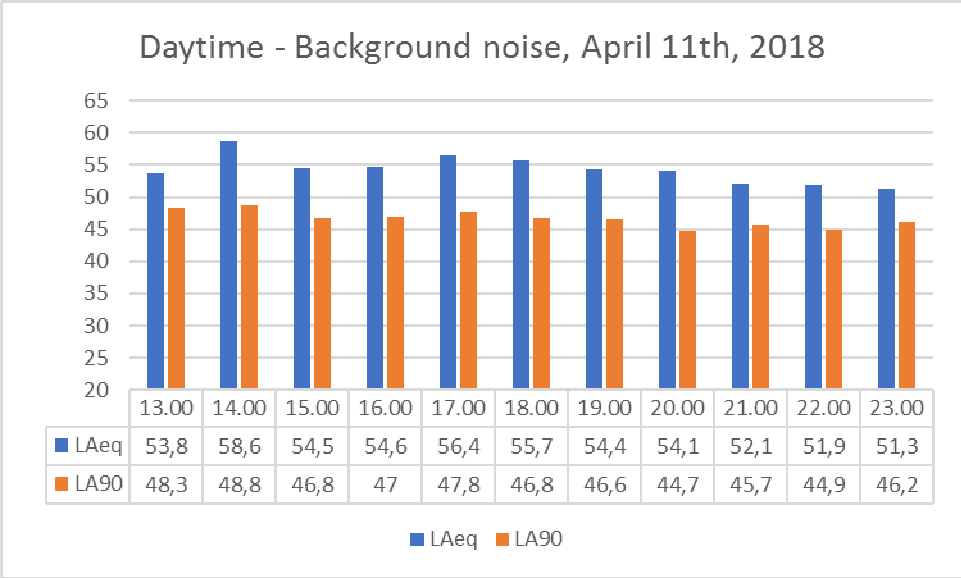


$L_{Aeq,1h}$ = 47,1 dBA (not masked for traffic pass-bys)
$L_{Aeq,masked,1h}$ = 45,7 dBA (masked for traffic pass-bys) (rounded to 46 dBA)
$L_{A90,1h}$ = 43,5 dBA (rounded to 44 dBA)

Comments: due to the traffic pass-bys, night-time noise is influenced by traffic noise, but it is possible to mask the pass-by events, and therefore the industrial noise can be associated the $L_{Aeq,masked}$.

Day-time measurement at receiver R2. April 11th, 2018 – $L_{Aeq,16h}$

Date:	April 11th, 2018
Conditions:	SEDALCOL UK Ltd plant in planned shut-down
Description of the noise source:	industrial noise (other industrial sites, traffic pass-bys on Denison Road)



	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00
LAeq	53,8	58,6	54,5	54,6	56,4	55,7	54,4	54,1	52,1	51,9	51,3
LA90	48,3	48,8	46,8	47	47,8	46,8	46,6	44,7	45,7	44,9	46,2

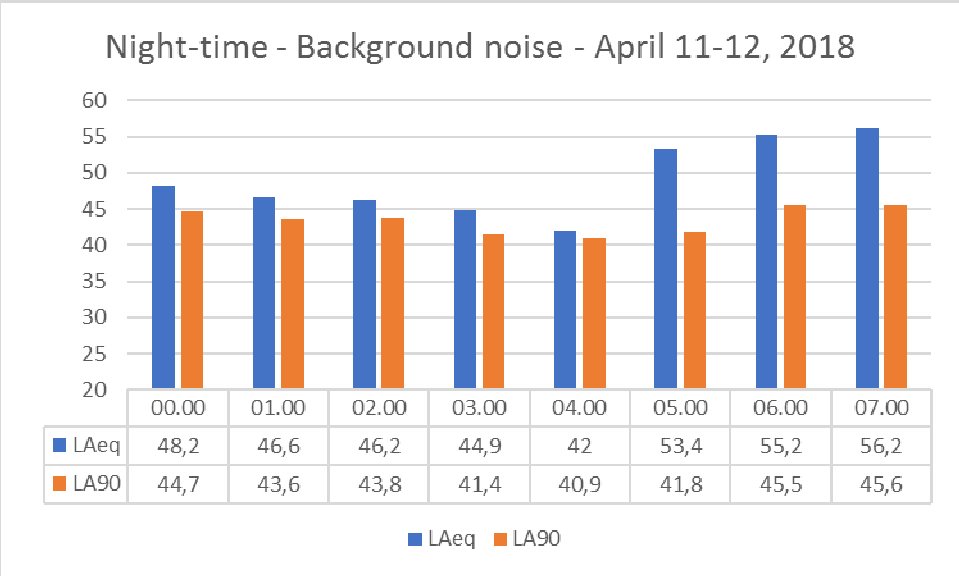
$L_{Aeq,8h}$ = 54,3 dBA (not masked for traffic pass-bys)
$L_{A90,8h}$ = 46,7 dBA

Comments: due to the traffic pass-bys, night-time noise is influenced by traffic noise, and therefore the industrial noise, that in this case is the background noise, can be associated the $L_{A90,8h}$.
Since the ambient noise was measured in the interval 12.30 – 13.30 on May 9th, 2018, it seems reasonable to identify the background noise in the same time interval, and therefore for the noise assessment purposes we will assume the following levels:

$L_{Aeq,1h}$ = 53,8 dBA (not masked for traffic pass-bys)
$L_{A90,1h}$ = 48,3 dBA

Night-time measurement at receiver R2. April 11th-12th, 2018 – $L_{Aeq,8h}$

Date:	April 11th - 12th, 2018
Conditions:	SEDALCOL UK Ltd plant in planned shut-down
Description of the noise source:	industrial noise (other industrial sites, traffic pass-bys on Denison Road)



$L_{Aeq,8h}$ = 49,1 dBA (not masked for traffic pass-bys)
$L_{A90,1h}$ = 43,4 dBA

Comments: due to the traffic pass-bys, night-time noise is influenced by traffic noise, and therefore the industrial noise, that in this case is the background noise, can be associated the $L_{A90,8h}$. Noise levels vary consistently throughout the night, due the varying conditions of the traffic, but to industrial noise variability as well.
The background noise varies during night-time, and since it seems reasonable to consider the worst case, for the noise assessment purposes we will assume the following (minimum) levels:

$L_{Aeq,1h}$ = 42 dBA (not masked for traffic pass-bys)
$L_{A90,1h}$ = 41 dBA