

# Noise Impact Study

## 12100 Creditview Road

Proposed Commercial Development  
Town of Caledon

October 3, 2024  
Project: 121-0300.100

Prepared for

**12100 Creditview Developments Limited**

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## Version History

<b>Version #</b>	<b>Date</b>	<b>Comments</b>
1.0	July 18, 2022	Final – Issued to Client
2.0	May 23, 2024	Final Revised – Issued to Client
3.0	October 3, 2024	Update based on changes to Site Plan

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# Noise Impact Study

## 12100 Creditview Road

### Proposed Commercial Development

Town of Caledon

#### **EXECUTIVE SUMMARY**

Valcoustics Canada Ltd. (VCL) previously prepared Noise Impact Studies, dated July 18, 2022 and May 23, 2024 for the proposed commercial development to support the Official Plan Amendment (OPA) / Zoning By law Amendment (ZBA) application submission to the Town of Caledon. This updated study has been prepared to address changes to the Site Plan.

The proposed commercial block is located at the northwest corner of Mayfield Road and Creditview Road in the Town of Caledon, consisting of ten retail buildings (with two of the buildings being connected to each other) and a gas bar. Retail B5 includes a drive-through.

Noise sources associated with the proposed commercial development include rooftop mechanical equipment (HVAC units, condenser units, etc.), delivery truck activities and activities at the drive-through. The sound levels from the proposed development have been predicted at surrounding existing noise-sensitive receptors and compared with the applicable Ministry of the Environment, Conservation and Parks (MECP) noise guideline limits to determine the need for noise mitigation.

The assessment concludes that noise mitigation measures will be required at Retail A, B5, C1 and C2 in order to meet the MECP noise guidelines.

Detailed rooftop mechanical plans, equipment selections and delivery truck operations were not available at the time this study was prepared. The assessment should be reviewed when these details become available. The noise mitigation requirements may change subject to the detailed mechanical/architectural design and equipment selection.

It is recommended that the noise impact on the vacant lot to the north be re-assessed once more details about the planned development at this location are known.

## **1.0 INTRODUCTION**

### **1.1 PURPOSE**

VCL previously prepared a Noise Impact Study, dated July 18, 2022 for the proposed commercial development to support the OPA / ZBA application submission to the Town of Caledon. An updated study dated May 23, 2024 was prepared to address changes to the Site Plan. This updated study has been prepared to address further changes to the Site Plan.

This report was prepared to assess the potential noise impact from the proposed commercial development onto the surrounding existing noise sensitive receptors (residential and institutional uses) as well as the proposed residential development in the vicinity.

The noise mitigation measures required for the proposed commercial development to comply with applicable MECP stationary source noise guideline limits are outlined below.

### **1.2 SITE DESCRIPTION AND SURROUNDING AREA**

The proposed commercial block is located at the northwest corner of Mayfield Road and Creditview Road in the Town of Caledon. The site is bounded by:

- Vacant land for future residential development, with existing residential dwellings and farmland beyond, to the north;
- Creditview Road, with an existing church, residential dwelling and farmland beyond, to the east;
- Mayfield Road, with existing commercial uses and residential dwellings beyond, to the south; and
- Vacant land for future residential development and an existing school, with industrial uses and farmland beyond, to the west.

A Key Plan is shown as Figure 1.

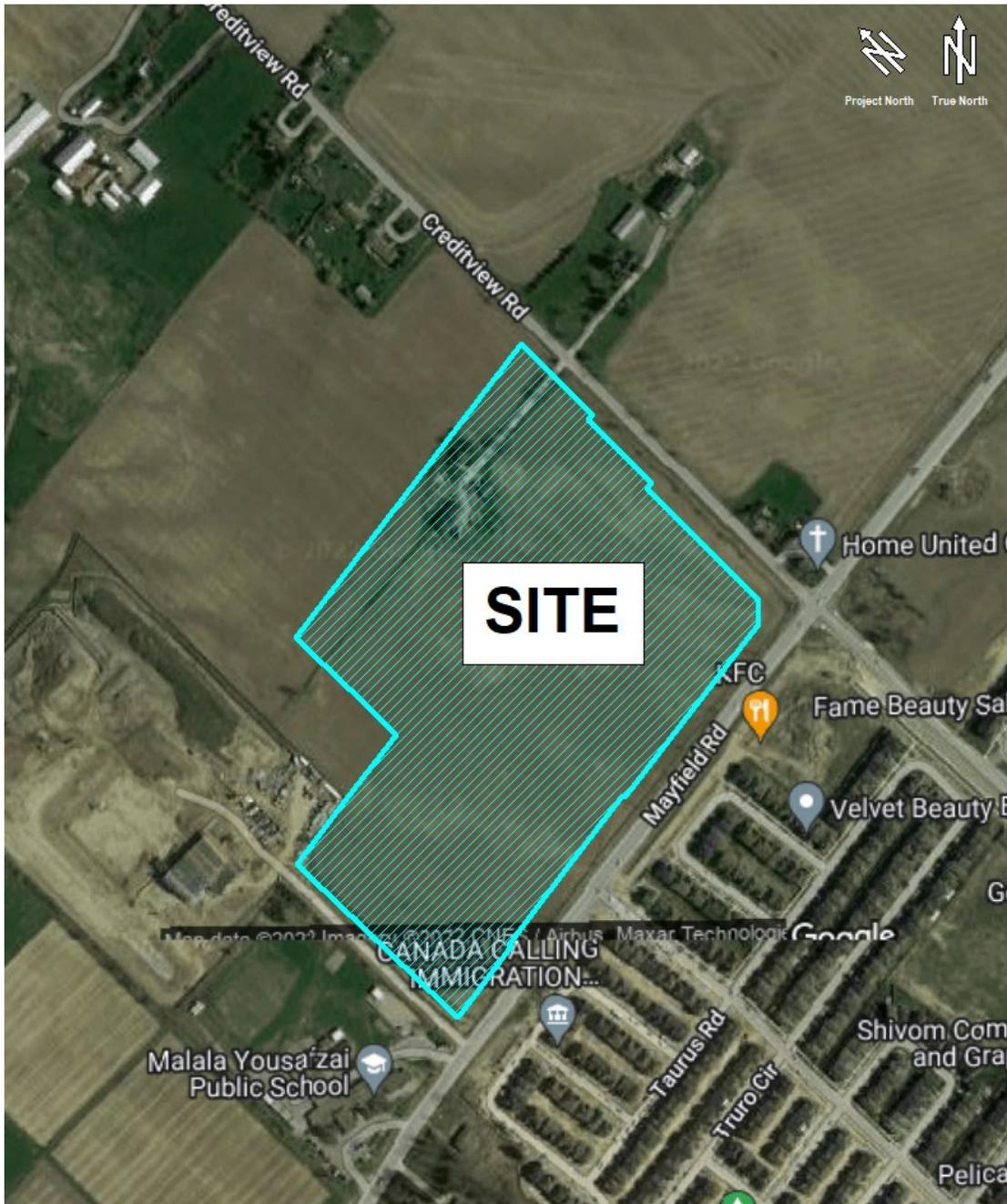


FIGURE 1: KEY PLAN

### 1.3 PROJECT DESCRIPTION

The proposed commercial development consists of ten (10) commercial/retail buildings (Retail A, B1 to B5 and C1 to C4) and a gas bar, with a site area of approximately 35.9 acres.

- Retail A: a large retail/grocery store with four (4) loading docks. It is understood that this building is proposed to house a Costco Wholesale;
- Retail B1 to B4: multi-tenant commercial/retail buildings;
- Retail B5: single-tenant commercial/retail building with a drive-through along its west side;
- Retail C1 (connected to C2): a grocery store with two (2) loading docks;
- Retail C2 (connected to C1): a single-tenant commercial/retail building with a single loading dock;
- Retail C3 and C4: multi-tenant commercial/retail buildings; and
- A gas bar and associated small ancillary building.

This report is based on the Site Plan prepared by Turner Fleischer Architects Inc., dated September 11, 2024. The Site Plan is included as Appendix A.

## **2.0 ENVIRONMENTAL NOISE GUIDELINES**

The applicable noise guidelines are those in the Ministry of the Environment, Conservation and Parks (MECP) Publication NPC-300, “Environmental Noise Guideline, Stationary and Transportation Sources - Approval and Planning”.

The environmental noise guidelines of the MECP, as provided in Publication NPC-300, are discussed briefly below and summarized in Appendix B.

### **2.1 STATIONARY NOISE SOURCES**

For stationary source noise, the MECP criteria used for noise impact assessment are dependent on the type of area and the ambient sound environment. The site and area are Class 1 - Urban, i.e. an area where the ambient sound environment is dominated by “urban hum”, primarily traffic noise. This is due to the proximity to the area road network.

The MECP sound level limits apply at the outdoor plane of window of a noise sensitive space such as a bedroom, living room, or den at all time periods, and at an outdoor point of reception during the daytime and evening periods only. The sound level limits do not apply to non-noise sensitive windows (at all times), or to outdoor points of reception during the nighttime.

Note the following are not considered stationary sources under NPC-300:

- Gas stations;
- Parking lots for private passenger vehicles at commercial facilities such as retail stores or plazas;
- Auditory warning devices (i.e. back-up beepers on vehicles); and
- Deliveries of good to and the removal of good/refuse from convenience stores, fast food restaurants and similar commercial facilities.

## 2.2 SOUND LEVEL CRITERIA

MECP Publication NPC-300 states that the guideline limits shall be defined by the higher of the ambient sound level, due to road traffic noise, or the minimum exclusion limits shown in Table 1.

**TABLE 1 MINIMUM EXCLUSION SOUND LIMITS - STATIONARY NOISE SOURCES**

Time of Day	Class 1 Area Plane of Window	Class 1 Area Outdoor Point or Reception
0700 - 1900 hours	50	50
1900 - 2300 hours	50	50
2300 - 0700 hours	45	–

### 2.2.1 Outdoors

For a Class 1 area, the MECP guidelines set a (one-hour  $L_{eq}$ ) limit of 50 dBA, or the ambient primarily due to road traffic noise, if higher, during any hour of the daytime or evening (0700 to 2300 hours), for the sound level from a stationary source at any OPOR in any area amenable for use.

Open balconies or elevated terraces less than 4 m deep that are not the only OLA are not considered points of reception in Class 1 areas/sites.

### 2.2.2 Plane of window

For a Class 1 area, the MECP guidelines set a (one-hour  $L_{eq}$ ) limit of 50 dBA during the day and evening (0700 to 2300 hours) or 45 dBA at night (2300 to 0700 hours) or the ambient primarily due to the road traffic noise, if higher, in the exterior plane of a residential window.

The MECP requires a “worst case” one-hour operating scenario be analysed. This may occur when the background ambient sound level is at a minimum or when the noise generated from the stationary noise sources is at a maximum.

No indoor sound level guidelines are provided for stationary sources.

### 2.2.3 Noise Sensitive Institutional Uses

The existing school to the west and the church to the east of the subject site are considered Noise Sensitive Institutional uses. The exterior plane of windows at the school would be considered points of reception. The same sound levels limits for residential buildings apply to the school as well. However, the associated outdoor areas are not considered point of reception under the MECP noise guideline NPC-300.

### 2.2.4 Impulsive sources

Impulsive sounds are a category of sounds which last for a brief time (typically fractions of one second). Examples are the sounds of banging of metal, punch presses or gunshots. The “banging” sound that occurs when trucks are unloaded/loaded or the trailers are coupled/uncoupled from the cabs are also classified as impulsive.

Impulse sounds are measured and treated separately because of their special time characteristics. However, the same stationary source sound level criteria as indicated in Table 1 for outdoors and the plane of a window apply, expressed as the  $L_{LM}$  descriptor. The  $L_{LM}$  descriptor is the energy (logarithmic) average of the range of impulse sound levels impinging on a receptor. Because of the logarithmic relationship involved,  $L_{LM}$  is weighted to the higher values and is quite unlike an arithmetic average, which would yield a much lower numerical result for a wide range of values.

The sound level limits noted above are for what are classified as “frequent” impulses, taken as at least nine impulses in a one-hour period.

### 2.2.5 Applicable Guideline Limits

The ambient sound levels due to road traffic at the most critical areas (i.e. the receptors on Creditview Road) in the vicinity of the site, are expected to be at or less than the minimum exclusion limits. Thus, the minimum exclusion limits were taken to apply during the daytime, evening and nighttime periods at all receptors considered.

## 3.0 POINTS OF RECEPTION

Fifteen (15) existing noise-sensitive points of reception were considered in this assessment.

- To the north:
  - R1 – represents the second-storey plane-of-window (POW) receptor, 4.5 m above grade, for the existing detached residential dwelling at 12158 Creditview Road, the closest existing residential dwelling to the north;
  - R1, Yard – represents the outdoor point of reception (OPOR), 1.5 m above grade, at the rear yard of the existing dwelling at 12158 Creditview Road; and
  - R10 – represents a vacant lot, 4.5 m above grade as specified in NPC-300.
- To the east:
  - R2 – represents the second-storey POW receptor, 4.5 m above grade, for the existing detached residential dwelling at 12017 Creditview Road.
  - R2, Yard – represents the OPOR, 1.5 m above grade, at the yard of the existing dwelling at 12017 Creditview Road; and
  - R3, North Facade & R3, West Facade – represent the 1.5-storey POW receptors, 3 m above grade, for the existing church at 1500 Mayfield Road.
- To the south:
  - R4, R5, R6 and R7 – represent the second-storey POW receptors, 4.5 m above grade, for the existing detached residential dwellings at the south side of Mayfield Road;

- R4, Yard – represents the OPOR, 1.5 m above grade, at the rear yard of the existing dwelling at 38 Exhibition Crescent; and
- R7, Yard – represents the OPOR, 1.5 m above grade, at the rear yard of the existing dwelling at 80 Truro Circle.
- To the west:
  - R8 and R9 – represent the single-storey POW receptors, 1.5 m above grade, for the existing school at 1248 Mayfield Road.

Note, the institutional facilities such as the church and school above are expected to be closed during nighttime.

Other residential dwellings are further removed from the proposed commercial development and/or screened from the noise sources by intervening dwellings, and therefore would be expected to experience equal or lower sound levels than those considered in the assessment.

#### **4.0 NOISE SOURCES AND OPERATING CONDITIONS**

The noise assessment requires consideration of the predictable worst-case noise impact of the commercial development. Two operating scenarios with different levels of activity were considered, based on predicted worst-case peak hours during the daytime/evening and nighttime.

The scenarios considered reflect operating conditions based on previous assessments conducted by VCL for similar commercial establishments and should be updated once more detailed information is available. The operating scenarios would not be expected to occur on a regular basis, and perhaps only occasionally. In practice, it is expected that actual operating activities will be less than considered in this report, making the analysis conservative.

Figures 2A and 2B shows the noise source ID's and locations for the non-impulse and impulse sources, respectively. Table 2 shows the sound power level for each noise source.

The noise sources and operating scenarios are described further below.



FIGURE 2A: SITE PLAN AND NOISE SOURCE IDS & LOCATIONS – NON-IMPULSE SOURCES

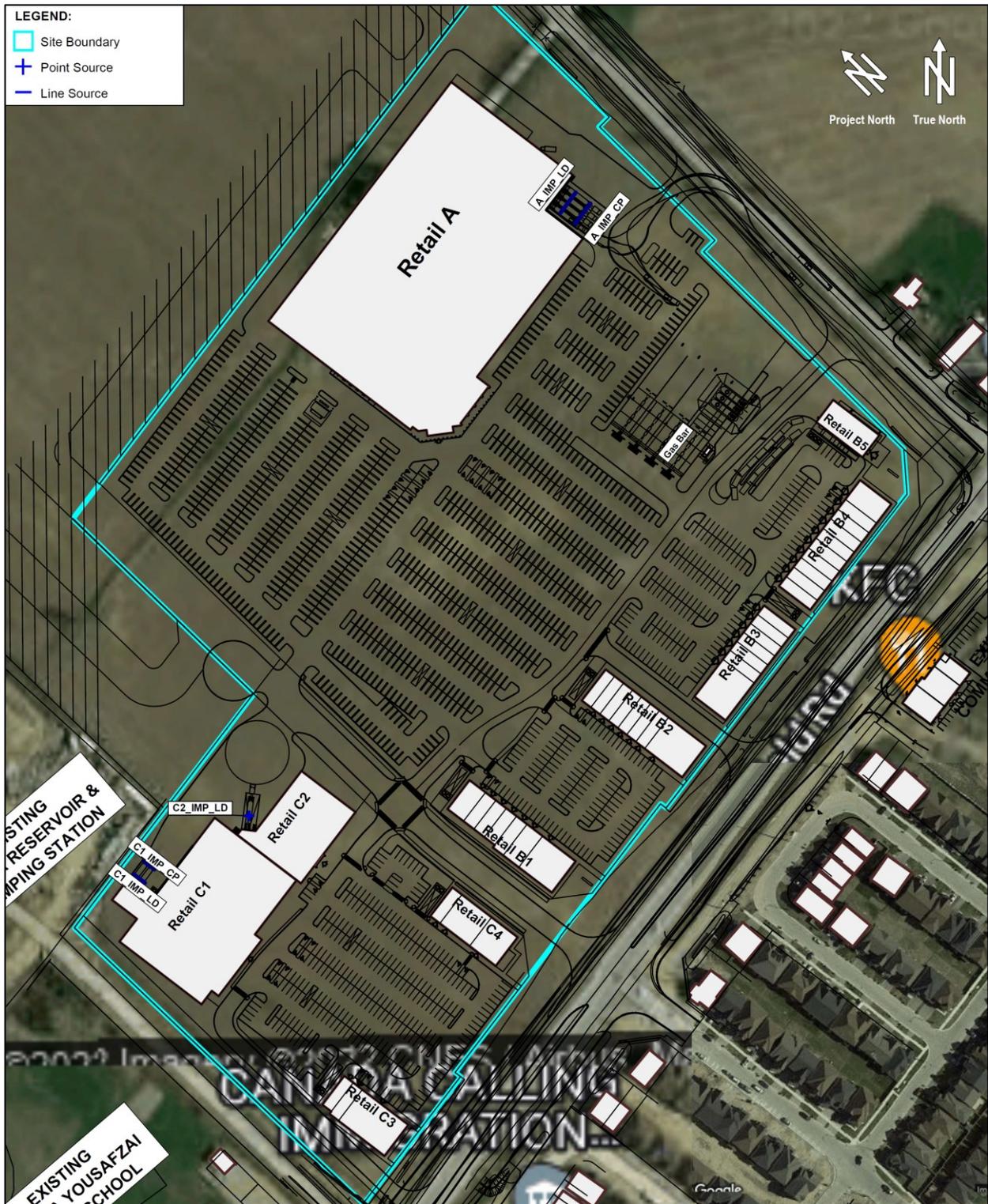


FIGURE 2B: SITE PLAN AND NOISE SOURCE IDS & LOCATIONS – IMPULSE SOURCES

**TABLE 2 NOISE SOURCE SUMMARY**

Source ID	Unit Description	Source Height (m) <sup>(2)</sup>	Sound Power Level (dBA)	Operating Time (per worst-case hour)	
				Daytime / Evening	Nighttime
<b>Steady (Non-Impulse) Sources</b>					
A_COND1	Condenser	3.0	88	60 min	30 min
A_COND2	Condenser	3.0	88	60 min	30 min
A_COND3	Condenser	0.9	84	60 min	30 min
A_COND4	Condenser	0.9	91	60 min	30 min
A_AC01,02	3-ton HVAC	1.1	75 <sup>(4)</sup>	60 min	30 min
A_AC03	15-ton HVAC	1.5	93	60 min	30 min
A_AC04	6-ton HVAC	1.3	82	60 min	30 min
A_AC05, 06, 33	2-ton HVAC	1.1	74 <sup>(4)</sup>	60 min	30 min
A_AC07, 08, 09, 13, 14, 15, 16	25-ton HVAC	1.9	94 <sup>(4)</sup>	60 min	30 min
A_AC10, 11	20.2-ton HVAC	1.8	95 <sup>(4)</sup>	60 min	30 min
A_EF01	Exhaust Fan	0.5	83	60 min	60 min
A_EF06	Exhaust Fan	0.5	83	60 min	60 min
A_EF19	Exhaust Fan	0.5	83	60 min	60 min
A_EF20	Exhaust Fan	0.5	74	60 min	60 min
A_EF26	Exhaust Fan	0.5	83	60 min	60 min
A_KEF02	Exhaust Fan	1.0	83	60 min	60 min
A_KEF05	Exhaust Fan	1.2	81	60 min	60 min
A_KEF07	Exhaust Fan	1.1	80	60 min	60 min
A_KEF08	Exhaust Fan	1.1	81	60 min	60 min
A_KEF09	Exhaust Fan	1.1	81	60 min	60 min
A_KEF10	Exhaust Fan	1.1	81	60 min	60 min
A_KEF11	Exhaust Fan	1.5	83	60 min	60 min
A_KEF12	Exhaust Fan	1.5	83	60 min	60 min
A_KEF25	Exhaust Fan	1.2	81	60 min	60 min
A_TRK_I1	Truck Idling	2.4 <sup>(3)</sup>	101	5 min	5 min
A_TRK_I2	Truck Idling	2.4 <sup>(3)</sup>	101	5 min	5 min
A_TRU_I1	Refrigeration Unit Idling	3.5 <sup>(3)</sup>	101	60 min	60 min
A_TRU_I2	Refrigeration Unit Idling	3.5 <sup>(3)</sup>	101	60 min	60 min

.../cont'd

**TABLE 2 NOISE SOURCE SUMMARY (continued)**

Source ID	Unit Description	Source Height (m) <sup>(2)</sup>	Sound Power Level (dBA)	Operating Time (per worst-case hour)	
				Daytime / Evening	Nighttime
<b>Steady (Non-Impulse) Sources</b>					
A_TRKMov	Heavy Truck Movement	2.4 <sup>(3)</sup>	106	2 movements at 20 kph	2 movements at 20 kph
A_TRUMov	Refrigeration Unit Movement	3.5 <sup>(3)</sup>	101	2 movements at 20 kph	2 movements at 20 kph
B1_RTU01, 06	6-ton HVAC	1.3	82 <sup>(4)</sup>	60 min	30 min
B1_RTU02 to 05 and 07A to 07C	5-ton HVAC	1.2	82 <sup>(4)</sup>	60 min	30 min
B2_RTU01 to 07	3-ton HVAC	1.1	75 <sup>(4)</sup>	60 min	30 min
B2_RTU08A to 08C	5-ton HVAC	1.2	82 <sup>(4)</sup>	60 min	30 min
B3_RTU01A to 1C	5-ton HVAC	1.2	82 <sup>(4)</sup>	60 min	30 min
B3_RTU02 to 07	3-ton HVAC	1.1	75 <sup>(4)</sup>	60 min	30 min
B4_RTU01 to 09	5-ton HVAC	1.2	82 <sup>(4)</sup>	60 min	30 min
B4_RTU10	7.7-ton HVAC	1.5	88	60 min	30 min
B5_RTUA and B	7.7-ton HVAC	1.5	88 <sup>(4)</sup>	60 min	30 min
B5_COND	Condenser	0.9	82	60 min	30 min
B5_LS1 and 2	Loudspeaker	0.6 <sup>(3)</sup>	87 <sup>(4)</sup>	13.33 min	11.3 min
B5_Car01 to 20	Cars Idling in Drive-Through	0.6 <sup>(3)</sup>	80 <sup>(4)</sup>	60 min	60 min
C1_COND	Condenser	0.9	88	60 min	30 min
C1_RTUA to G	20.2-ton HVAC	1.8	95 <sup>(4)</sup>	60 min	30 min
C1_TRK_I1	Truck Idling	2.4 <sup>(3)</sup>	101	5 min	5 min
C1_TRK_I2	Truck Idling	2.4 <sup>(3)</sup>	101	5 min	0 min
C1_TRU_I1	Refrigeration Unit Idling	3.5 <sup>(3)</sup>	101	60 min	60 min
C1_TRKMov	Heavy Truck Movement	2.4 <sup>(3)</sup>	106	2 movements at 20 kph	1 movement at 20 kph
C1_TRUMov	Refrigeration Unit Movement	3.5 <sup>(3)</sup>	101	1 movement at 20 kph	1 movement at 20 kph
C2_TRK_I1	Truck Idling	2.4 <sup>(3)</sup>	101	5 min	0 min
C2_TRKMov	Heavy Truck Movement	2.4 <sup>(3)</sup>	106	1 movement at 20 kph	0
C2_RTUA to E	10-ton HVAC	1.5	88 <sup>(4)</sup>	60 min	30 min
C3_RTU01, 02	3-ton HVAC	1.1	75 <sup>(4)</sup>	60 min	30 min
C3_RTU03A to C	6-ton HVAC	1.3	82 <sup>(4)</sup>	60 min	30 min
C4_RTU01	3-ton HVAC	1.1	75	60 min	30 min
C4_RTU02A and B	5-ton HVAC	1.2	82 <sup>(4)</sup>	60 min	30 min
C4_RTU03A and B	6-ton HVAC	1.3	82 <sup>(4)</sup>	60 min	30 min

.../cont'd

**TABLE 2 NOISE SOURCE SUMMARY (continued)**

Source ID	Unit Description	Source Height (m) <sup>(2)</sup>	Sound Power Level (dBA)	Operating Time (per worst-case hour)	
				Daytime / Evening	Nighttime
<b>Impulse Sources (Retail A)</b>					
A_IMP_CP	Coupling/uncoupling Impulse	1.0 <sup>(3)</sup>	120	2 Impulses	2 Impulses
A_IMP_LD	Loading/unloading Impulse	1.0 <sup>(3)</sup>	110	20 Impulses	20 Impulses
<b>Impulse Sources (Retail C1 and C2)</b>					
C1_IMP_CP	Coupling/uncoupling Impulse	1.0 <sup>(3)</sup>	120	2 Impulses	2 Impulses
C1_IMP_LD	Loading/unloading Impulse	1.0 <sup>(3)</sup>	110	20 Impulses	20 Impulses
C2_IMP_LD	Loading/unloading Impulse	1.0 <sup>(3)</sup>	110	10 Impulses	0 Impulses

**Notes:**

- (1) See Figures 3 to 5.
- (2) Relative to the top of the roof unless otherwise noted.
- (3) Relative to grade.
- (4) Sound level for a single source.

**4.1 LARGE RETAIL (RETAIL A)**

Retail A is located towards the northeast of the site and includes four loading docks at the southeast corner of the building. It is understood that this building is proposed to be a Costco Wholesale. The noise sources are the truck activities at the loading docks and rooftop mechanical units (including AC units, exhaust fans and condensers). The truck activities, building height, rooftop mechanical equipment layout and mechanical equipment information at Retail A were assumed based on similar facilities and should be updated once more information is available. The final noise mitigation requirements may change subject to the detailed mechanical/architectural design and mechanical equipment selection.

**4.2 GROCERY STORE (BUILDING C1)**

Retail C1 located towards the northwest of the site and includes two loading docks at the northwest corner of the building. The noise sources are the truck activities at the loading docks and rooftop mechanical units (including AC units and condensers). The truck activities and building height were assumed based on similar facilities. The cooling requirements were determined based on the approximate relationship of one ton of cooling capacity per 350 ft<sup>2</sup> of floor area. The rooftop mechanical units included in the assessment are seven (7) 20-ton HVAC units and one 10-fan large condenser.

### 4.3 SINGLE AND MULTI-TENANT RETAIL B1 TO B5 AND C2 TO C4

The eight (8) single-unit and multi-unit retail buildings are located along the south side of the subject site (B1 to B5, C3 and C4) and attached to Retail C1 (C2). The main noise sources at the proposed development with potential to impact off-site receptors are the rooftop mechanical equipment on the buildings, truck activities at the loading docks at Retail C2 and drive-through activities at Retail B5.

#### 4.3.1 Rooftop Equipment

The mechanical equipment selection and the acoustical information of the mechanical equipment are not available at the time of preparing this report. In order to estimate the potential for noise impacts, assumptions regarding the size of the rooftop HVAC units were necessary. The sizes of the rooftop HVAC units were determined based on the assumed total cooling requirement of the building divided by the number of rooftop mechanical equipment. The total cooling capacity in tons was determined based on the approximate (generic) relationship of one ton of cooling capacity per 350 ft<sup>2</sup> of floor area. Therefore, the RTU's analysed in this study are:

- Retail B1: three (3) 5-ton HVAC units for the southernmost retail unit, one (1) 6-ton HVAC unit for the northernmost and second southernmost retail unit and one (1) 5-ton HVAC unit for each remaining retail unit.
- Retail B2: three (3) 5-ton HVAC units for the southernmost retail unit and one (1) 3-ton HVAC unit for each remaining retail unit.
- Retail B3: three (3) 5-ton HVAC units for the westernmost retail unit and one (1) 3-ton HVAC unit for each remaining retail unit.
- Retail B4: one (1) 7.7-ton HVAC unit for the easternmost retail unit and one (1) 5-ton HVAC unit for each remaining retail unit.
- Retail B5: Two (2) 7.7-ton HVAC units and a small condenser.
- Retail C2: five (5) 10-ton HVAC units.
- Retail C3: three (3) 6-ton HVAC units for the southernmost retail unit and one (1) 3-ton HVAC unit for each remaining retail unit.
- Retail C4: one (1) 3-ton HVAC unit for the northernmost retail unit, two (2) 6-ton HVAC units for the middle retail unit and two (2) 5-ton HVAC units for the southernmost retail unit.

#### 4.3.2 Truck Activities

Retail C2 includes a single loading dock. The truck activities were assumed based on similar facilities.

### 4.3.3 Drive-Through Activities

Retail B5 includes a drive-through with two order board queues. Noise sources at the drive-through consist of the loudspeaker at the order boards and vehicles idling in the queue. The queue can fit up to 20 cars. The tenant of this unit is not yet known. To be conservative, it was assumed that the queue can be full for both the worst-case daytime/evening hour and the worst-case nighttime hour (typically 0600 - 0700).

## 4.4 OPERATING SCENARIOS

Two operating scenarios with different levels of activity were considered, to reflect the worst-case operating conditions. In practice, it is expected that actual operating activities will be less than considered in this report. Note, daytime and evening were combined into a single scenario.

To be conservative, the impulses sources at Retail A were assessed separately from the impulse sources at Retail C1 and C2, due to the significant separation distance between them.

Two operating scenarios analysed are:

- Daytime/Evening hours (0700-2300):
  - All the rooftop HVAC's, exhaust fans and condensers operating for the full hour (100% capacity);
  - Twenty (20) cars idling in the Retail B5 drive-through.
  - The loudspeakers at the Retail B5 drive-through operating for 13.33 minutes out of the hour.
  - Two (2) heavy trucks (both refrigerated) entering and leaving the Retail A loading docks;
  - Two (2) heavy trucks, each idling for 5 minutes at Retail A;
  - Two (2) trailer refrigeration units operating continuously for the full hour during unloading at Retail A;
  - Two (2) heavy trucks (one of which is refrigerated) entering and leaving the Retail C1 loading docks;
  - Two (2) heavy trucks, each idling for 5 minutes at Retail C1;
  - One (1) trailer refrigeration unit operating continuously for the full hour during unloading at Retail C1;
  - One (1) heavy truck (not refrigerated) entering and leaving the Retail C2 loading dock;
  - One (1) heavy truck idling for 5 minutes at Retail C2;
  - Eastern (Retail A) Impulse Scenario:
    - Two (2) impulses are generated due to trailer coupling/uncoupling at the Retail A loading docks;
    - Twenty (20) impulses are generated due to loading/unloading activities at the Retail A loading docks;

- Western (Retail C1 to C2) Impulse Scenario:
  - Two (2) impulses are generated due to trailer coupling/uncoupling at the Retail C1 loading docks;
  - Twenty (20) impulses are generated due to loading/unloading activities at the Retail C1 loading docks; and
  - Ten (10) impulses are generated due to loading/unloading activities at the Retail C2 loading dock.
- Nighttime hour (2300-0700):
  - All the rooftop exhaust fans operating for the full hour (100% capacity)
  - All the rooftop HVAC's and condensers operating for the half of the full hour;
  - Twenty (20) cars idling in the Retail B5 drive-through.
  - The loudspeaker at the Retail B5 drive-through operating for 11.3 minutes out of the hour.
  - Two (2) heavy trucks (both refrigerated) entering and leaving the Retail A loading docks;
  - Two (2) heavy trucks, each idling for 5 minutes at Retail A;
  - Two (2) trailer refrigeration units operating continuously for the full hour during unloading at Retail A;
  - One (1) heavy truck (refrigerated) entering and leaving the Retail C1 loading docks;
  - One (1) heavy truck idling for 5 minutes at Retail C1;
  - One (1) trailer refrigeration unit operating continuously for the full hour during unloading at Retail C1;
  - No truck delivery activities at Retail C2;
  - Eastern (Retail A) Impulse Scenario:
    - Two (2) impulses are generated due to trailer coupling/uncoupling at the Retail A loading docks;
    - Twenty (20) impulses are generated due to loading/unloading activities at the Retail A loading docks;
  - Western (Retail C1 to C4) Impulse Scenario:
    - Two (2) impulses are generated due to trailer coupling/uncoupling at the Retail C1 loading docks; and
    - Twenty (20) impulses are generated due to loading/unloading activities at the Retail C1 loading docks.

## 5.0 NOISE IMPACT ASSESSMENT

### 5.1 ACOUSTIC MODELING

A 3-D acoustic model of the proposed commercial development was created using CadnaA V2024 MR1 environmental noise modelling software, which follows the protocol of ISO Standard 9613-2: 1996, “Acoustics – Attenuation of Sound During Propagation Outdoors”, to predict sound levels at each of the receptor locations. The sound levels from all the relevant noise sources (hourly  $L_{eq}$ ) were determined for the point of reception positions at the residential dwellings (existing and future) in all directions surrounding the proposed commercial development.

- Hard ground ( $G = 0$ ) was used for the subject site and the paved area (roadways). Soft ground ( $G = 1$ ) was used for the grass area.
- Two orders of sound reflection were included in the acoustical model for the stationary noise assessment.
- Screening from the proposed commercial buildings and existing buildings was included in the assessment.
- The assessment area was modelled with flat, level topography.

Sound level data for sources of noise were based on manufacturers and VCL measured data for similar facilities and sources and Reference 7 for truck movements. Locations for rooftop mechanical equipment for all buildings were assumed and should be updated when detailed mechanical roof plans and mechanical equipment information are available.

Sample calculations outlining the calculation configuration, source sound power levels, and point of reception coordinates are provided for reference in Appendix C.

### 5.2 PREDICTED SOUND LEVELS – UNMITIGATED

Based on the operating parameters indicated in Section 4.4, sound levels at various receptors outlined in Section 3.0 were predicted for each of the scenarios.

Figure 3 shows the predicted sound levels due to non-impulse equipment in Daytime/Evening and Nighttime scenarios. The predicted sound level excesses are located at:

- R2 and R2 Yard at the existing dwelling to the east: mainly due to truck delivery activities.
- R3 east and west facades at the existing church to the east: mainly due to truck delivery activities and rooftop units at Building B5.
- R4 to R7 at existing dwellings to the south: mainly due to the rooftop HVACs on Building C1.



FIGURE 3: UNMITIGATED NON-IMPULSE SOUND LEVELS

Figures 4A and 4B show the predicted sound levels due to impulse sources at the eastern portion of the site (Retail A) and western portion of the site (Retail C1 and C2), respectively. The predicted sound level excesses due to impulses at Retail A are at the dwelling and church (R2, R2 Yard and R3 West Facade) to the east and one of the existing dwellings to the south (R4). The predicted sound level excesses due to impulses at Retail C1 and C2 are at the existing dwelling to the east (R2) and the vacant land to the north (R10).



**FIGURE 4A: UNMITIGATED IMPULSE SOUND LEVELS – EASTERN PORTION (RETAIL A)**



FIGURE 4B: UNMITIGATED IMPULSE SOUND LEVELS – WESTERN PORTION (RETAIL C1 AND C2)

## 6.0 MITIGATION MEASURES

Based on the noise impact assessments above, the recommended noise mitigation measures are shown on Figures 5A and 5B and include:

- An enclosure for the loading dock area of Retail A.
- A 2.0 m high parapet sound barrier along portions of the south and east edges of Retail A (as shown on Figures 5A and 5B )
- Three sided acoustic screens are required for the rooftop HVAC units on Retail C1.
  - Each of the acoustic screens has a height same or higher than the top of the RTU.
- A 1.4 m high parapet sound barrier along the eastern edge of Retail B5 (as shown on Figures 5A and 5B).
- A 2.0 m high sound barrier around the northeast corner of the Retail B5 drive-through (as shown on Figures 5A and 5B).
- A 2.0 m high sound barrier at the northeast corner of Retail C2.

Note, acoustic screens (sound barriers) must be of solid construction, with no gaps, cracks or holes (except for small openings required for water drainage) and must have a minimum surface density of 20 kg/m<sup>2</sup>. A variety of materials are available to achieve this objective, including (but not limited to), wood, specialty composite materials, or a combination of the above.

It is recommended that the mitigation measures be re-assessed/checked once mechanical unit and delivery truck information is available. It is also recommended that the noise impact on the vacant lot to the north (R10) be re-assessed once more details about the planned development are known, at which point the mitigation requirements can be updated. It is expected that a wing wall or enclosure may be required at the Retail C1 loading docks.



FIGURE 5A: MITIGATED NON-IMPULSE SOUND LEVELS



FIGURE 5B: MITIGATED IMPULSE SOUND LEVELS – WESTERN PORTION (RETAIL C1 AND C2)

## **7.0 CONCLUSION**

With appropriate mitigation measures in place, a suitable acoustical environment can be achieved at the noise sensitive points of reception surrounding the proposed commercial development, and the applicable MECP noise guideline limits can be met. The site is considered feasible acoustically, provided mechanical equipment selections, equipment locations, physical mitigation measures, and administrative controls are appropriately implemented.

The final mitigation measures should be determined based on detailed equipment selections, mechanical roof plans, delivery truck operations and building drawings when they are available.

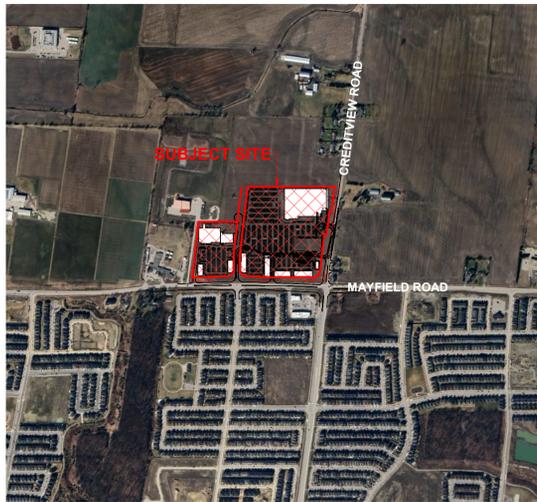
## **8.0 REFERENCES**

1. “Environmental Noise Assessment in Land-Use Planning”, 1999, ISBN 0-7729-2804-5, Ontario Ministry of the Environment, February 1999.
2. “Environmental Noise Guideline, Stationary and Transportation Sources – Approval and Planning”, Ontario Ministry of the Environment, Publication NPC-300, October 2013.
3. “Procedures”, Ontario Ministry of the Environment, Publication NPC-103, August 1978.
4. “Sound Level Adjustments”, Ontario Ministry of the Environment, Publication NPC-104, August 1978.
5. “Acoustics – Attenuation of Sound during Propagation Outdoors – Part 2: General Method of Calculation”, ISO 9613-2, December 15, 1996.
6. “Noise Impact Study, 12100 Creditview Road, Proposed Commercial Development, Town of Caledon”, Valcoustics Canada Ltd., Project: 121-0300, July 18, 2022.
7. “FHWA Traffic Noise Model Technical Manual”, U.S. Department of Transportation, Federal Highway Administration, February 1998.
8. “Noise Impact Study, 12100 Creditview Road, Proposed Commercial Development, Town of Caledon”, Valcoustics Canada Ltd., Project: 121-0300.100, July 21, 2022.
9. “Noise Impact Study, 12100 Creditview Road, Proposed Commercial Development, Town of Caledon”, Valcoustics Canada Ltd., Project: 121-0300.100, March 23, 2024.

BL\SD\mv  
12100 Creditview Road, Caledon - Noise v3\_0

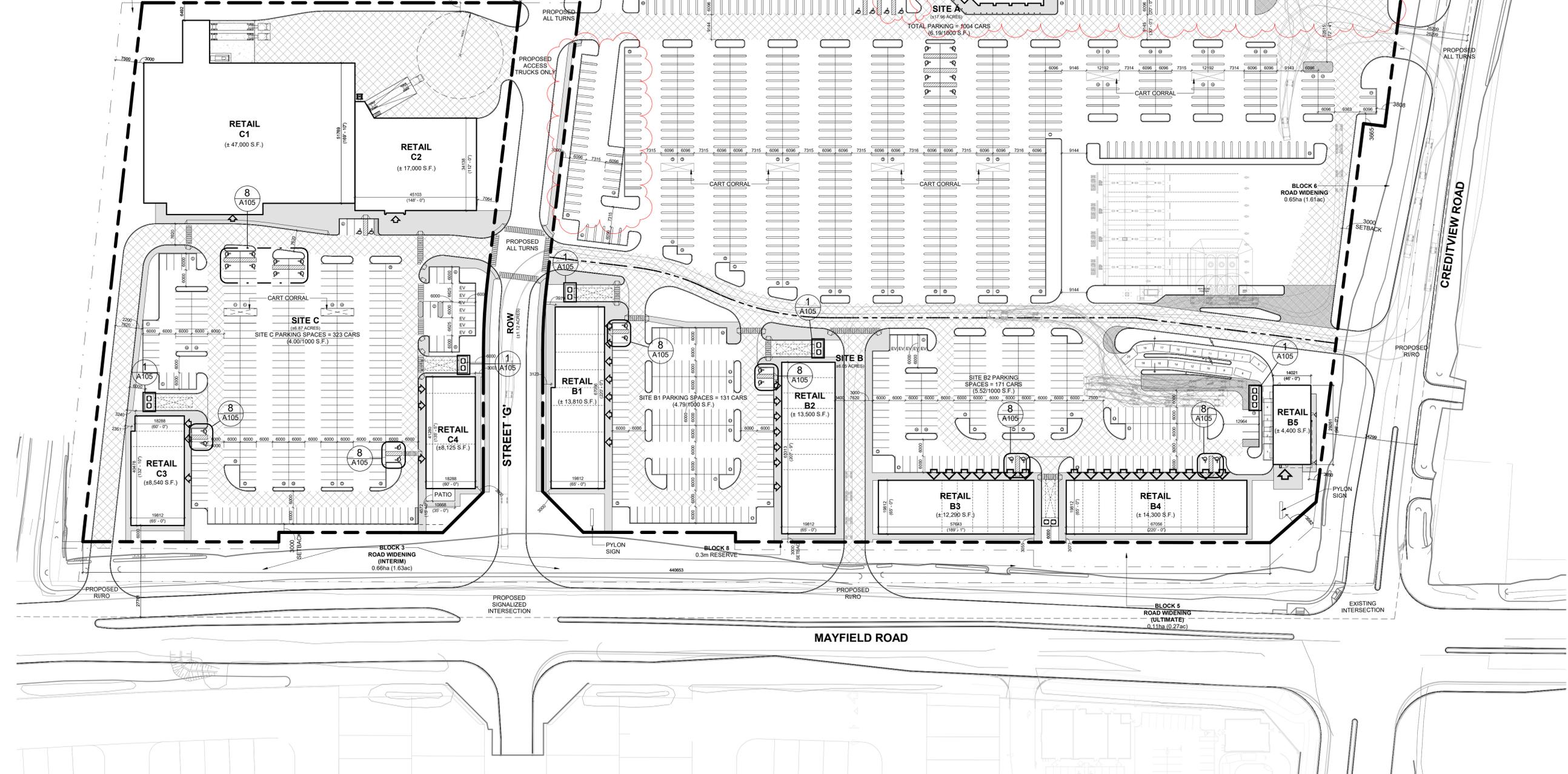
# **APPENDIX A**

## **SITE PLAN**



**2 KEY PLAN**  
A100 1:12000

ADDITIONAL LANDS OWNED BY THE APPLICANT (NOT PART OF THE SUBDIVISION)



**1 OVERALL SITE PLAN**  
A100 1:750

# TURNER FLEISCHER

Turner Fleischer Architects Inc.  
67 Leslie Road  
Toronto, ON, M5B 2T8  
1-416-425-2222  
turnerfleischer.com

This drawing, as an instrument of service, is provided by and is the property of Turner Fleischer Architects Inc. The contractor must verify and accept responsibility for all dimensions and conditions on site and must notify Turner Fleischer Architects Inc. of any variations from the supplied information. This drawing is not to be scaled. The architect is not responsible for the accuracy of survey, structural, mechanical, electrical, etc. information shown on this drawing. Refer to the appropriate consultant drawings before proceeding with the work. Construction must conform to all applicable codes and requirements of all relevant governing authorities. The contractor must ensure that all drawings not specifically marked 'For Contractor' must assume full responsibility and bear costs for any corrections or damages resulting from his work.

### LEGEND

- PROPOSED ENTRANCE
- PROPOSED EXIT
- PROPOSED FIRE HYDRANT
- PROPOSED SIGNAGE
- PROPOSED FIRE & TRUCK ROUTE (HEAVY DUTY ASPHALT)
- PROPOSED CONCRETE SIDEWALK
- PROPOSED CONCRETE PAD
- PROPOSED LANDSCAPING
- EV PROPOSED ELECTRIC VEHICLE PARKING

### STATISTICS

OVERALL SITE AREA	± 33.30 ACRES	± 14,344 HA
SITE A	± 17.76 ACRES	± 7,721 HA
SITE B	± 6.63 ACRES	± 2,843 HA
SITE C	± 4.91 ACRES	± 2,130 HA
BLOCK 4 ROAD WIDENING (INTERIM)	± 1.63 ACRES	± 0.69 HA
BLOCK 4 ROAD WIDENING (ULTIMATE)	± 0.58 ACRES	± 0.25 HA
BLOCK 5 ROAD WIDENING (ULTIMATE)	± 0.27 ACRES	± 0.11 HA
BLOCK 6 ROAD WIDENING	± 1.61 ACRES	± 0.68 HA
ADDITIONAL LANDS OWNED BY THE APPLICANT	± 1.12 ACRES	± 0.48 HA
ADDITIONAL LANDS OWNED BY THE APPLICANT	± 0.52 ACRES	± 0.22 HA
<b>SITE A TOTAL GFA</b>	<b>± 162,226 S.F.</b>	<b>± 15,071 S.M.</b>
SITE A PARKING PROVIDED	1004 CARS	± 6,191 S.M.
<b>SITE B TOTAL GFA</b>	<b>± 13,500 S.F.</b>	<b>± 1,254 S.M.</b>
RETAIL B1	± 1,833 S.F.	± 170 S.M.
RETAIL B2	± 13,500 S.F.	± 1,254 S.M.
RETAIL B3	± 12,290 S.F.	± 1,142 S.M.
RETAIL B4	± 14,300 S.F.	± 1,328 S.M.
RETAIL B5	± 4,400 S.F.	± 408 S.M.
<b>SITE B TOTAL GFA</b>	<b>± 36,323 S.F.</b>	<b>± 3,342 S.M.</b>
SITE B PARKING PROVIDED	131 CARS	± 817 S.M.
<b>SITE C TOTAL GFA</b>	<b>± 17,000 S.F.</b>	<b>± 1,569 S.M.</b>
SITE C PARKING PROVIDED	323 CARS	± 2,047 S.M.
<b>SITE A &amp; B TOTAL BUILDING AREA</b>	<b>± 198,549 S.F.</b>	<b>± 18,413 S.M.</b>
SITE A & B TOTAL PARKING	1135 CARS	± 7,008 S.M.
COVERAGE	100% GFA	21.00%
<b>SITE C TOTAL GFA</b>	<b>± 17,000 S.F.</b>	<b>± 1,569 S.M.</b>
RETAIL C1	± 17,000 S.F.	± 1,569 S.M.
RETAIL C2	± 17,000 S.F.	± 1,569 S.M.
RETAIL C3	± 17,000 S.F.	± 1,569 S.M.
RETAIL C4	± 17,000 S.F.	± 1,569 S.M.
<b>SITE C TOTAL GFA</b>	<b>± 68,965 S.F.</b>	<b>± 6,384 S.M.</b>
SITE C PARKING PROVIDED	323 CARS	± 2,047 S.M.
COVERAGE	100% GFA	26.00%
<b>SITE A, B &amp; C TOTAL GFA</b>	<b>± 403,417 S.F.</b>	<b>± 37,455 S.M.</b>
<b>TOTAL PARKING PROVIDED</b>	<b>1528 CARS</b>	<b>± 9,662 S.M.</b>
<b>TOTAL PARKING PROVIDED</b>	<b>1528 CARS</b>	<b>± 9,662 S.M.</b>

PROPOSED ZONING	REQUIRED	PROPOSED
TOWN OF CALEDON ZONING BY-LAW		
MIN. LOT AREA	0.80 HA	16.54 HA
MIN. LOT FRONTAGE	30.0 M	462.5 M
MAX. BUILDING AREA	20%	19.80%
MIN. BUILDING HEIGHT	10.0 M	NA
MIN. LANDSCAPED AREA	10%	10.52%
MIN. PLANTING STRIP WIDTH	3.0 M	3.0 M
MIN. FRONT YARD SETBACK	3.0 M	3.0 M
MIN. EXTERIOR SIDE YARD SETBACK	3.0 M	3.0 M
MIN. INTERIOR SIDE YARD SETBACK	3.0 M	3.0 M
MIN. REAR YARD SETBACK	9.0 M	10.3 M

PARKING SPACE DIMENSIONS	2.70M X 6.0M (16.5 SQM AREA)	2.70M X 6.0M (16.5 SQM AREA)
ACCESSIBLE PARKING DIMENSIONS	TYPE A: 3.6M X 6.0M	TYPE B: 3.6M X 6.0M
MIN. PARKING STRIP WIDTH	3.0 M	3.0 M
MIN. ACCESSIBLE PARKING SPACES	1447 CARS	1531 CARS
(11 SPACES = 1% OF TOTAL PARKING)	5.00 / 100 S.M.	5.64 / 100 S.M.
MIN. LOADING SPACES	NA	7 SPACES

#	DATE	DESCRIPTION	BY
3	2024-09-11	ISSUED FOR COORDINATION	TLA
2	2024-09-08	ISSUED FOR COORDINATION	ETI
1	2024-08-08	ISSUED FOR COORDINATION	BY



PROJECT  
**MAYFIELD ROAD & CREDITVIEW ROAD**  
CALEDON, ON

### OVERALL SITE PLAN

PROJECT NO.  
22.111P01  
PROJECT DATE  
2024-05-09  
DRAWN BY  
ETI  
CHECKED BY  
JJJ  
SCALE  
As indicated

DRAWING NO. **A100** REV. **3**

# **APPENDIX B**

## **ENVIRONMENTAL NOISE GUIDELINES**

**APPENDIX B**  
**ENVIRONMENTAL NOISE GUIDELINES**  
**MINISTRY OF THE ENVIRONMENT, CONSERVATION AND PARKS (MECP)**

Reference: MECP Publication NPC-300, October 2013: “*Environmental Noise Guideline, Stationary and Transportation Source – Approval and Planning*”.

SPACE	SOURCE	TIME PERIOD	CRITERION
Living/dining, den areas of residences, hospitals, nursing homes, schools, daycare centres, etc.	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Living/dining, den areas of residences, hospitals, nursing homes, etc. (except schools or daycare centres)	Road	23:00 to 07:00	45 dBA
	Rail	23:00 to 07:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 5
Sleeping quarters	Road	07:00 to 23:00	45 dBA
	Rail	07:00 to 23:00	40 dBA
	Aircraft	24-hour period	NEF/NEP 0
Sleeping quarters	Road	23:00 to 07:00	40 dBA
	Rail	23:00 to 07:00	35 dBA
	Aircraft	24-hour period	NEF/NEP 0
Outdoor Living Areas	Road and Rail	07:00 to 23:00	55 dBA
Outdoor Point of Reception	Aircraft	24-hour period	NEF/NEP 30#
	Stationary Source		
	Class 1 Area	07:00 to 19:00 <sup>(1)</sup> 19:00 to 23:00 <sup>(1)</sup>	50 <sup>+</sup> dBA 50 <sup>+</sup> dBA
	Class 2 Area	07:00 to 19:00 <sup>(2)</sup> 19:00 to 23:00 <sup>(2)</sup>	50 <sup>+</sup> dBA 45 <sup>+</sup> dBA
	Class 3 Area	07:00 to 19:00 <sup>(3)</sup> 19:00 to 23:00 <sup>(3)</sup>	45 <sup>+</sup> dBA 40 <sup>+</sup> dBA
	Class 4 Area	07:00 to 19:00 <sup>(4)</sup> 19:00 to 23:00 <sup>(4)</sup>	55 <sup>+</sup> dBA 55 <sup>+</sup> dBA

.../cont'd

SPACE	SOURCE	TIME PERIOD	CRITERION
Plane of a Window of Noise Sensitive Spaces	Stationary Source Class 1 Area	07:00 to 19:00 <sup>(1)</sup>	50 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(1)</sup>	50 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(1)</sup>	45 <sup>+</sup> dBA
	Class 2 Area	07:00 to 19:00 <sup>(2)</sup>	50 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(2)</sup>	50 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(2)</sup>	45 <sup>+</sup> dBA
	Class 3 Area	07:00 to 19:00 <sup>(3)</sup>	45 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(3)</sup>	45 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(3)</sup>	40 <sup>+</sup> dBA
	Class 4 Area	07:00 to 19:00 <sup>(4)</sup>	60 <sup>+</sup> dBA
		19:00 to 23:00 <sup>(4)</sup>	60 <sup>+</sup> dBA
		23:00 to 07:00 <sup>(4)</sup>	55 <sup>+</sup> dBA

- # may not apply to in-fill or re-development.  
 \* or the minimum hourly background sound exposure  $L_{eq(1)}$ , due to road traffic, if higher.  
 (1) Class 1 Area: Urban.  
 (2) Class 2 Area: Urban during day; rural-like evening and night.  
 (3) Class 3 Area: Rural.  
 (4) Class 4 Area: Subject to land use planning authority's approval.

Reference: MECP Publication ISBN 0-7729-2804-5, 1987: "Environmental Noise Assessment in Land-Use Planning".

EXCESS ABOVE RECOMMENDED SOUND LEVEL LIMITS (dBA)	CHANGE IN SUBJECTIVE LOUDNESS ABOVE	MAGNITUDE OF THE NOISE PROBLEM	NOISE CONTROL MEASURES (OR ACTION TO BE TAKEN)
No excess (<55 dBA)	—	No expected noise problem	None
1 to 5 inclusive (56 to 60 dBA)	Noticeably louder	Slight noise impact	If no physical measures are taken, then prospective purchasers or tenants should be made aware by suitable warning clauses.
6 to 10 inclusive (61 - 65 dBA)	Almost twice as loud	Definite noise impact	Recommended.
11 to 15 inclusive (66 - 70 dBA)	Almost three times as loud	Serious noise impact	Strongly Recommended.
16 and over (>70 dBA)	Almost four times as loud	Very serious noise impact	Strongly Recommended (may be mandatory).

*Exclusion Limits for Impulsive Sound Levels (dBA)*

<b>Number of Impulses in Period of One-Hour</b>	<b>Class 1 Area (0700-2300 hours) / (2300-0700 hours)</b>	<b>Class 4 Area (0700-2300 hours) / (2300-0700 hours)</b>
9 or more	POW – 50/45 OPOR – 50/-	POW – 60/55 OPOR – 55/-
7 to 8	POW – 55/50 OPOR – 55/-	POW – 65/60 OPOR – 60/-
5 to 6	POW – 60/55 OPOR – 60/-	POW – 70/65 OPOR – 65/-
4	POW – 65/60 OPOR – 65/-	POW – 75/70 OPOR – 70/-
3	POW – 70/65 OPOR – 70/-	POW – 80/75 OPOR – 75/-
2	POW – 75/70 OPOR – 75/-	POW – 85/80 OPOR – 80/-
1	POW – 80/75 OPOR – 80/-	POW – 90/85 OPOR – 85/-

# **APPENDIX C**

## **SAMPLE SOUND LEVEL CALCULATION**

Receiver Table

Name	Sel.	M.	ID	Level Lr			Limit Value			Land Use			Height (m)	Coordinates		
				Day (dBA)	Eve (dBA)	Night (dBA)	Day (dBA)	Eve (dBA)	Night (dBA)	Type	Auto	Noise Type		X (m)	Y (m)	Z (m)
Residential			R1	44.7	44.7	42.9	0.0	0.0	0.0	x	Total	1.50	r17591717.65	4839999.23	1.50	
Residential			R1	45.3	45.3	43.5	0.0	0.0	0.0	x	Total	1.50	r17591708.74	4839971.29	1.50	
Residential			R2	46.8	46.8	47.6	0.0	0.0	0.0	x	Total	4.50	r17592043.72	4839768.92	4.50	
Residential			R2	47.2	47.2	48.2	0.0	0.0	0.0	x	Total	1.50	r17592039.27	4839784.67	1.50	
Church			R3	30.8	30.8	30.0	0.0	0.0	0.0	x	Total	3.00	r17592085.95	4839724.74	3.00	
Church			R3	30.7	30.7	30.1	0.0	0.0	0.0	x	Total	3.00	r17592086.45	4839728.28	3.00	
Residential			R4	31.0	31.0	30.2	0.0	0.0	0.0	x	Total	4.50	r17592031.96	4839540.33	4.50	
Residential			R4	30.3	30.3	29.3	0.0	0.0	0.0	x	Total	1.50	r17592037.50	4839547.72	1.50	
Residential			R5	31.5	31.5	30.5	0.0	0.0	0.0	x	Total	4.50	r17591997.80	4839473.01	4.50	
Residential			R6	32.0	32.0	30.7	0.0	0.0	0.0	x	Total	4.50	r17591963.98	4839453.69	4.50	
Residential			R7	32.4	32.4	31.7	0.0	0.0	0.0	x	Total	4.50	r17591894.41	4839366.50	4.50	
Residential			R7	32.5	32.5	31.8	0.0	0.0	0.0	x	Total	4.50	r17591898.56	4839377.67	4.50	
School			R8	36.0	36.0	36.9	0.0	0.0	0.0	x	Total	1.50	r17591709.13	4839339.43	1.50	
School			R9	34.5	34.5	35.3	0.0	0.0	0.0	x	Total	1.50	r17591723.46	4839266.61	1.50	
Vacant Lot			R10	48.1	48.1	46.6	0.0	0.0	0.0	x	Total	4.50	r17591601.60	4839844.92	4.50	

Point Sources

Name	Sel.	M.	ID	Result. PWL			Lw / Li Value	Type	norm. dB(A)	Correction			Sound Reduction R	Area (m²)	Attenuation	Operating Time			K0 (dB)	Freq. (Hz)	Direct.	Height (m)	Coordinates		
				Day (dBA)	Evening (dBA)	Night (dBA)				Day dB(A)	Evening dB(A)	Night dB(A)				Day (min)	Special (min)	Night (min)					X (m)	Y (m)	Z (m)
Lennox LGH036			~ A_AC01	74.8	74.8	74.8	Lw	LGH036	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g17591765.32	4839767.26	9.10		
Lennox LGH036			~ A_AC02	74.8	74.8	74.8	Lw	LGH036	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g17591764.73	4839743.76	9.10		
Lennox LGH180			~ A_AC03	92.6	92.6	92.6	Lw	LGH180	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.50	g17591781.40	4839734.59	9.50		
Lennox LGH072			~ A_AC04	81.5	81.5	81.5	Lw	LGH072	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.30	g17591806.51	4839738.32	9.30		
Lennox KGB024			~ A_AC05	73.6	73.6	73.6	Lw	KGB_KCB024	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g17591847.66	4839773.12	9.20		
Lennox KCB024			~ A_AC06	73.6	73.6	73.6	Lw	KGB_KCB024	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g17591763.17	4839737.92	9.10		
Lennox LGH300			~ A_AC07	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591826.37	4839728.86	9.90		
Lennox LGH300			~ A_AC08	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591798.95	4839752.10	9.90		
Lennox LGH300			~ A_AC09	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591779.55	4839755.99	9.90		
Lennox LGH242			~ A_AC10	94.9	94.9	94.9	Lw	LGH242	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.80	g17591778.17	4839790.23	9.80		
Lennox LGH242			~ A_AC11	94.9	94.9	94.9	Lw	LGH242	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.80	g17591807.37	4839850.26	9.80		
Lennox LGH300			~ A_AC13	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591847.87	4839791.33	9.90		
Lennox LGH300			~ A_AC14	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591834.71	4839758.50	9.90		
Lennox LGH300			~ A_AC15	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591814.90	4839772.83	9.90		
Lennox LGH300			~ A_AC16	93.6	93.6	93.6	Lw	LGH300	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.90	g17591843.55	4839841.50	9.90		
Lennox LGH060			~ A_AC32	81.5	81.5	81.5	Lw	LGH060	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g17591758.24	4839745.99	9.20		
Lennox KGB024			~ A_AC33	73.6	73.6	73.6	Lw	KGB_KCB024	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g17591762.89	4839760.16	9.10		
Condenser			~ A_COND1	88.3	88.3	88.3	Lw	COND10	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	3.00	g17591858.22	4839824.26	11.00		
Condenser			~ A_COND2	88.3	88.3	88.3	Lw	COND10	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	3.00	g17591865.87	4839835.12	11.00		
Condenser (Refplus OEH-018-1E4-2)			~ A_COND3	83.6	83.6	83.6	Lw	COND3	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	0.90	g17591782.60	4839730.58	8.90		
Condenser (Refplus OES-040-1L4-5)			~ A_COND4	91.3	91.3	91.3	Lw	COND4	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	0.90	g17591784.53	4839731.81	8.90		
Exhaust Fan (Cook 150 ACE)			~ A_EF01	82.9	82.9	82.9	Lw	EF1	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	0.50	g17591772.15	4839736.43	8.50		
Exhaust Fan (Cook 135 ACE)			~ A_EF06	82.9	82.9	82.9	Lw	EF1	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	0.50	g17591842.10	4839831.33	8.50		
Exhaust Fan (Cook 165 ACE)			~ A_EF19	82.9	82.9	82.9	Lw	EF1	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	0.50	g17591796.27	4839728.56	8.50		
Exhaust Fan (Cook 120 ACE)			~ A_EF20	73.8	73.8	73.8	Lw	EF20	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	0.50	g17591816.88	4839720.96	8.50		
Exhaust Fan (Cook 120 ACE)			~ A_EF26	82.9	82.9	82.9	Lw	EF26	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	0.50	g17591770.22	4839736.44	8.50		
Exhaust Fan (Cook 245 ACRU)			~ A_KEF02	82.5	82.5	82.5	Lw	KEF2	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.00	g17591846.81	4839829.76	9.00		
Kitchen Exhaust Fan (CaptiveAire DU85HFA)			~ A_KEF05	81.3	81.3	81.3	Lw	KEF5	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.20	g17591790.35	4839730.09	9.20		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)			~ A_KEF07	80.2	80.2	80.2	Lw	KEF7	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.10	g17591867.38	4839806.83	9.10		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)			~ A_KEF08	80.6	80.6	80.6	Lw	KEF8	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.10	g17591866.96	4839799.74	9.10		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)			~ A_KEF09	80.6	80.6	80.6	Lw	KEF9	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.10	g17591865.65	4839805.81	9.10		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)			~ A_KEF10	81.2	81.2	81.2	Lw	KEF10	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.10	g17591864.45	4839804.45	9.10		
Kitchen Exhaust Fan (CaptiveAire CASRE18DD)			~ A_KEF11	82.8	82.8	82.8	Lw	KEF11	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.50	g17591828.91	4839828.13	9.50		
Kitchen Exhaust Fan (CaptiveAire CASRE18DD)			~ A_KEF12	82.6	82.6	82.6	Lw	KEF12	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.50	g17591832.69	4839826.93	9.50		
Kitchen Exhaust Fan (CaptiveAire DU85HFA)			~ A_KEF25	81.3	81.3	81.3	Lw	KEF5	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	1.20	g17591787.47	4839732.60	9.20		
Truck idling			~ A_TRK_I1	100.9	100.9	100.9	Lw	HvyTrk_Idle	0.0	0.0	0.0				5.00	5.00	5.00	0.0	(none)	2.40	r17591892.59	4839809.92	2.40		
Truck idling			~ A_TRK_I2	100.9	100.9	100.9	Lw	HvyTrk_Idle	0.0	0.0	0.0				5.00	5.00	5.00	0.0	(none)	2.40	r17591890.23	4839806.95	2.40		
Refrigeration Unit			~ A_TRU_I1	100.6	100.6	100.6	Lw	HvyTrk_TRU	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	3.50	r17591888.69	4839812.79	3.50		
Refrigeration Unit			~ A_TRU_I2	100.6	100.6	100.6	Lw	HvyTrk_TRU	0.0	0.0	0.0				60.00	60.00	60.00	0.0	(none)	3.50	r17591886.33	4839809.75	3.50		
Retail B1 Rooftop Unit			~ B1_RTU01	81.5	81.5	81.5	Lw	LGH072	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.30	g17591828.81	4839517.89	6.30		
Retail B1 Rooftop Unit			~ B1_RTU02	81.5	81.5	81.5	Lw	LGH060	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g17591835.62	4839512.93	6.20		
Retail B1 Rooftop Unit			~ B1_RTU03	81.5	81.5	81.5	Lw	LGH060	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g17591840.86	4839509.17	6.20		
Retail B1 Rooftop Unit			~ B1_RTU04	81.5	81.5	81.5	Lw	LGH060	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g17591845.99	4839505.16	6.20		
Retail B1 Rooftop Unit			~ B1_RTU05	81.5	81.5	81.5	Lw	LGH060	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g17591851.54	4839500.95	6.20		
Retail B1 Rooftop Unit			~ B1_RTU06	81.5	81.5	81.5	Lw	LGH072	0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.30	g17591856.73	4839495.58	6.30		
Retail B1 Rooftop Unit			~ B1_RTU07A	81.5	81.5	81.5	Lw	LGH060	0.0	0.0															

Name	Sel.	M.	ID	Result. PWL			Type	Lw / Li Value	norm. dB(A)	Correction			Sound Reduction R	Area (m²)	Attenuation	Operating Time			K0	Freq. (Hz)	Direct.	Height (m)	Coordinates		
				Day (dBA)	Evening (dBA)	Night (dBA)				Day (dBA)	Evening (dBA)	Night (dBA)				Day (min)	Special (min)	Night (min)					X (m)	Y (m)	Z (m)
Retail B2 Rooftop Unit			~ B2_RTU05	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591912.20	4839560.09	6.10
Retail B2 Rooftop Unit			~ B2_RTU06	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591917.39	4839556.98	6.10
Retail B2 Rooftop Unit			~ B2_RTU07	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591922.02	4839553.50	6.10
Retail B2 Rooftop Unit			~ B2_RTU08A	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591927.84	4839548.58	6.20
Retail B2 Rooftop Unit			~ B2_RTU08B	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591932.51	4839544.76	6.20
Retail B2 Rooftop Unit			~ B2_RTU08C	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591937.62	4839540.53	6.20
Retail B3 Rooftop Unit			~ B3_RTU01A	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591954.28	4839567.57	6.20
Retail B3 Rooftop Unit			~ B3_RTU01B	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591958.65	4839573.18	6.20
Retail B3 Rooftop Unit			~ B3_RTU01C	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591962.87	4839578.51	6.20
Retail B3 Rooftop Unit			~ B3_RTU02	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591967.37	4839584.60	6.10
Retail B3 Rooftop Unit			~ B3_RTU03	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591970.65	4839588.66	6.10
Retail B3 Rooftop Unit			~ B3_RTU04	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591973.91	4839593.43	6.10
Retail B3 Rooftop Unit			~ B3_RTU05	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591977.11	4839598.18	6.10
Retail B3 Rooftop Unit			~ B3_RTU06	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591980.40	4839602.75	6.10
Retail B3 Rooftop Unit			~ B3_RTU07	74.8	74.8	74.8	Lw	LGH036		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.10	g	17591984.39	4839606.99	6.10
Retail B4 Rooftop Unit			~ B4_RTU01	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591995.04	4839622.26	6.20
Retail B4 Rooftop Unit			~ B4_RTU02	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17591998.98	4839626.52	6.20
Retail B4 Rooftop Unit			~ B4_RTU03	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592002.73	4839631.58	6.20
Retail B4 Rooftop Unit			~ B4_RTU04	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592006.51	4839635.76	6.20
Retail B4 Rooftop Unit			~ B4_RTU05	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592010.34	4839640.74	6.20
Retail B4 Rooftop Unit			~ B4_RTU06	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592014.01	4839645.16	6.20
Retail B4 Rooftop Unit			~ B4_RTU07	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592017.58	4839650.08	6.20
Retail B4 Rooftop Unit			~ B4_RTU08	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592021.25	4839655.67	6.20
Retail B4 Rooftop Unit			~ B4_RTU09	81.5	81.5	81.5	Lw	LGH060		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.20	g	17592025.08	4839660.30	6.20
Retail B4 Rooftop Unit			~ B4_RTU10	88.3	88.3	88.3	Lw	LGH092		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.50	g	17592030.51	4839667.08	6.50
Retail B5 Car Idling			~ B5_Car01	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	30.00	60.00	0.0	(none)	0.60	r	17592023.05	4839689.99	0.60
Retail B5 Car Idling			~ B5_Car02	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17592018.48	4839693.67	0.60
Retail B5 Car Idling			~ B5_Car03	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17592015.16	4839696.64	0.60
Retail B5 Car Idling			~ B5_Car04	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17592010.08	4839700.36	0.60
Retail B5 Car Idling			~ B5_Car05	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591995.97	4839708.44	0.60
Retail B5 Car Idling			~ B5_Car06	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591994.82	4839702.08	0.60
Retail B5 Car Idling			~ B5_Car07	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591989.58	4839705.69	0.60
Retail B5 Car Idling			~ B5_Car08	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591989.39	4839697.35	0.60
Retail B5 Car Idling			~ B5_Car09	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591985.83	4839701.75	0.60
Retail B5 Car Idling			~ B5_Car10	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	10.00	60.00	0.0	(none)	0.60	r	17591985.03	4839693.30	0.60
Retail B5 Car Idling			~ B5_Car11	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	10.00	60.00	0.0	(none)	0.60	r	17591981.44	4839697.39	0.60
Retail B5 Car Idling			~ B5_Car12	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591981.27	4839689.15	0.60
Retail B5 Car Idling			~ B5_Car13	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591977.42	4839693.03	0.60
Retail B5 Car Idling			~ B5_Car14	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591977.04	4839684.95	0.60
Retail B5 Car Idling			~ B5_Car15	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591973.04	4839688.59	0.60
Retail B5 Car Idling			~ B5_Car16	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591972.78	4839680.32	0.60
Retail B5 Car Idling			~ B5_Car17	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591968.93	4839684.41	0.60
Retail B5 Car Idling			~ B5_Car18	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591969.14	4839675.55	0.60
Retail B5 Car Idling			~ B5_Car19	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591964.88	4839679.61	0.60
Retail B5 Car Idling			~ B5_Car20	80.0	80.0	80.0	Lw	CAR_I		0.0	0.0	0.0				60.00	0.00	60.00	0.0	(none)	0.60	r	17591962.95	4839673.30	0.60
Retail B5 Small Condenser			~ B5_COND	81.9	81.9	81.9	Lw	Cond_Small		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	0.90	g	17592012.48	4839711.50	5.90
Retail B5 Loudspeaker CONFIRM OPERATIONS			~ B5_LS1	86.5	86.5	86.5	Lw	SPK		0.0	0.0	0.0				13.33	2.50	11.30	0.0	(none)	0.60	r	17591977.24	4839699.17	0.60
Retail B5 Loudspeaker			~ B5_LS2	86.5	86.5	86.5	Lw	SPK		0.0	0.0	0.0				13.33	2.50	11.30	0.0	(none)	0.60	r	17591982.45	4839694.50	0.60
Retail B5 Rooftop Unit			~ B5_RTUA	88.3	88.3	88.3	Lw	LGH092		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.50	g	17592016.45	4839708.00	6.50
Retail B5 Rooftop Unit			~ B5_RTUB	88.3	88.3	88.3	Lw	LGH092		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.50	g	17592026.47	4839700.06	6.50
Retail C1 Condenser			~ C1_COND	88.3	88.3	88.3	Lw	COND10		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	0.90	g	17591679.74	4839466.62	8.90
Retail C1 Rooftop Unit			~ C1_RTUA	94.9	94.9	94.9	Lw	LGH242		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.80	g	17591676.98	4839441.15	9.80
Retail C1 Rooftop Unit			~ C1_RTUB	94.9	94.9	94.9	Lw	LGH242		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.80	g	17591684.11	4839449.39	9.80
Retail C1 Rooftop Unit			~ C1_RTUC	94.9	94.9	94.9	Lw	LGH242		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.80	g	17591690.74	4839457.63	9.80
Retail C1 Rooftop Unit			~ C1_RTUD	94.9	94.9	94.9	Lw	LGH242		0.0	0.0	0.0				60.00	60.00	30.00	0.0	(none)	1.80	g	17591697.88	4839465.46	9.80
Retail C1 Rooftop Unit																									

Name	Sel.	M.	ID	Result. PWL			Result. PWL'			Lw / Li		Correction			Sound Reduction Attenuation		Operating Time			K0	Freq.	Direct.	Moving Pt. Src						
				Day (dBA)	Evening (dBA)	Night (dBA)	Day (dBA)	Evening (dBA)	Night (dBA)	Type	Value	norm. dB(A)	Day dB(A)	Evening dB(A)	Night dB(A)	R	Area (m²)	Day (min)	Special (min)				Night (min)	dB	(Hz)	Day	Evening	Night	Speed (km/h)
Trailer Coupling/Uncoupling	~	A	IMP_CP	109.3	109.3	109.3	98.2	98.2	98.2	Lw	IMP_CP+10*log10(2/22)		0.0	0.0	0.0			60.00	60.00	60.00	0.0		(none)						
Loading/Unloading	~	A	IMP_LD	109.5	109.5	109.5	98.5	98.5	98.5	Lw	IMP_LD+10*log10(20/22)		0.0	0.0	0.0			60.00	60.00	60.00	0.0		(none)						
Loading/Unloading			C1_IMP_LD	107.9	107.9	109.5	99.6	99.6	101.2	Lw	IMP_LD+10*log10(20/32)		0.0	0.0	1.6			60.00	60.00	60.00	0.0		(none)						
Trailer Coupling/Uncoupling			C1_IMP_CP	107.6	107.6	109.3	99.6	99.6	101.3	Lw	IMP_CP+10*log10(2/32)		0.0	0.0	1.7			60.00	60.00	60.00	0.0		(none)						
Truck Movement	~	C1	TRKmov	93.9	93.9	90.9	66.1	66.1	63.1	PWL-Pt	Heavy_20kph		2.0	2.0	1.0						0.0		(none)	2.0	2.0	1.0	20.0		
Refer Movement	~	C1	TRUmov	85.4	85.4	85.4	57.6	57.6	57.6	PWL-Pt	HvyTrk_TRU		2.0	2.0	1.0						0.0		(none)	1.0	1.0	1.0	20.0		
Truck Movement	~	C2	TRKmov	90.0	90.0	-10.0	63.1	63.1	-36.9	PWL-Pt	Heavy_20kph		2.0	2.0	1.0						0.0		(none)	1.0	1.0	0.0	20.0		
Refer Movement	~	A	TRUmov	83.2	83.2	83.2	60.6	60.6	60.6	PWL-Pt	HvyTrk_TRU		2.0	2.0	2.0						0.0		(none)	2.0	2.0	2.0	20.0		

Sound Level Library

Name	ID	Type	Octave Spectrum (dB)														Source
			Weight	31.5	63	125	250	500	1000	2000	4000	8000	A	lin			
Heavy truck movement - 20 kph	Heavy_20kph	Lw		0.0	111.8	110.3	106.4	102.6	99.7	97.7	95.6	92.1	106.1	115.3	VCL Database		
Heavy Truck Idling	HvyTrk_Idle	Lw		101.1	100.6	98.3	94.2	96.9	97.0	94.2	87.4	81.6	100.9	106.7	VCL Database		
Large Trailer Refrigeration Unit	HvyTrk_TRU	Lw		100.8	115.2	104.2	101.2	97.1	94.0	92.4	88.0	80.1	100.6	115.9	VCL Database		
Coupling/Uncoupling Impulse	IMP_CP	Lw		115.8	113.7	117.8	118.4	118.4	114.8	110.1	105.1	99.6	119.7	124.8	VCL Database		
Loading/Unloading Impulse	IMP_LD	Lw		119.1	114.3	114.5	111.5	107.3	103.8	100.3	97.1	92.8	110.0	122.0	VCL Database		
Kitchen Exhaust Fan (CaptiveAire CASRE18DD )	KEF12	Lw		82.3	81.3	82.2	83.8	80.8	77.4	72.5	66.6	67.8	82.6	89.6	2024-03-07 VCL Measurements		
Kitchen Exhaust Fan (CaptiveAire CASRE18DD )	KEF11	Lw		85.9	82.3	82.6	83.1	80.8	77.7	73.6	67.1	65.9	82.8	90.6	2024-03-07 VCL Measurements		
Exhaust Fan (Cook 120 ACE)	EF26	Lw		76.8	72.8	79.1	84.2	81.3	76.8	74.0	69.3	63.8	82.9	88.0	2024-03-07 VCL Measurements		
Exhaust Fan (Cook 150 ACE)	EF1	Lw		79.4	76.1	81.6	86.6	78.2	76.0	74.2	71.1	68.0	82.9	89.4	2024-03-07 VCL Measurements		
Condenser (Refplus OEH-018-1E4-2 )	COND3	Lw		82.0	83.5	86.9	78.4	78.3	80.4	74.8	71.5	70.4	83.6	90.7	2024-03-07 VCL Measurements		
Condenser (Refplus OES-040-1L4-5)	COND4	Lw		86.5	97.8	92.3	88.7	84.2	87.3	84.3	79.7	79.2	91.3	100.0	2024-03-07 VCL Measurements		
Kitchen Exhaust Fan (CaptiveAire DU85HFA)	KEF5	Lw		90.5	82.7	79.3	84.2	79.6	74.7	71.4	65.8	61.8	81.3	92.6	2024-03-07 VCL Measurements		
Exhaust Fan (Cook 120 ACE)	EF20	Lw		79.0	72.9	77.6	76.1	71.7	68.1	62.9	56.4	51.4	73.8	83.4	2024-03-07 VCL Measurements		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)	KEF10	Lw		87.4	80.2	77.8	81.5	81.1	75.3	69.6	62.8	59.6	81.2	90.1	2024-03-07 VCL Measurements		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)	KEF9	Lw		86.7	79.3	77.7	80.4	80.6	74.7	69.1	62.8	59.4	80.6	89.4	2024-03-07 VCL Measurements		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)	KEF8	Lw		85.3	76.8	77.7	80.6	80.7	74.6	68.5	61.7	58.3	80.6	88.6	2024-03-07 VCL Measurements		
Kitchen Exhaust Fan (CaptiveAire DU33HFA)	KEF7	Lw		97.5	87.9	80.2	81.0	80.9	72.2	66.7	59.9	57.4	80.2	98.2	2024-03-07 VCL Measurements		
Exhaust Fan (Cook 245 ACRU)	KEF2	Lw		82.8	82.7	84.6	83.4	80.4	77.8	71.9	66.5	63.1	82.5	90.3	2024-03-07 VCL Measurements		
Lennox KGB/KCB024	KGB_KCB024	Lw			76.2	77.1	73.6	73.2	67.0	62.8	57.0	50.1	73.6	81.6	Product Data		
Lennox LGH036	LGH036	Lw			78.2	79.1	74.6	73.2	71.0	6.8	61.0	54.1	74.8	83.2	Product Data		
Lennox LGH060	LGH060	Lw			90.2	83.1	80.6	80.2	76.0	71.8	67.0	62.1	81.5	91.9	Product Data		
Lennox LGH072	LGH072	Lw			90.2	83.1	80.6	80.2	76.0	71.8	67.0	62.1	81.5	91.9	Product Data		
Lennox LGH092	LGH092	Lw			89.2	92.1	87.6	87.2	83.0	77.8	72.0	67.1	88.3	95.8	Product Data		
Lennox LGH120	LGH120	Lw			89.2	92.1	87.6	87.2	83.0	77.8	72.0	67.1	88.3	95.8	Product Data		
Lennox LGH180	LGH180	Lw			95.2	96.1	91.6	90.2	88.0	82.8	79.0	72.1	92.6	100.3	Product Data		
Lennox LGH242	LGH242	Lw			106.2	100.1	93.6	93.2	90.0	83.8	79.0	73.1	94.9	107.6	Product Data		
Lennox LGH300	LGH300	Lw			98.2	95.1	92.6	91.2	89.0	83.8	81.0	74.1	93.6	101.5	Product Data		
10 Fan RefPlus Condenser	Cond10	Lw		98.1	92.6	92.6	85.2	86.4	84.1	78.2	70.8	67.9	88.3	100.5	2024-03-07 VCL Measurements		
Car Idling	CAR_I	Lw		0.0	85.1	78.0	76.1	78.2	73.7	72.2	69.2	67.0	80.0	87.4	VCL Database		
Loudspeaker	SPK	Lw		0.0		78.0	83.0	84.0	83.0	78.0	70.0	58.0	86.5	89.0	VCL Database		
Keeprite KEZA040	Cond_Small	Lw		0.0	79.2	87.5	80.9	78.7	76.7	73.3	69.3	61.7	81.9	89.6	Keeprite KEZA040		

Calculation Configuration

Configuration	
Parameter	Value
General	
Max. Error (dB)	0.00
Max. Search Radius (m)	2000.00
Min. Dist Src to Rcvr	0.00
Partition	
Raster Factor	0.50
Max. Length of Section (m)	1000.00
Min. Length of Section (m)	1.00
Min. Length of Section (%)	0.00
Proj. Line Sources	On
Proj. Area Sources	On
Ref. Time	
Daytime Penalty (dB)	0.00
Recr. Time Penalty (dB)	6.00
Night-time Penalty (dB)	10.00
DTM	
Standard Height (m)	0.00
Model of Terrain	Triangulation
Reflection	
max. Order of Reflection	2
Search Radius Src	100.00
Search Radius Rcvr	100.00
Max. Distance Source - Rcvr	1000.00 1000.00
Min. Distance Rcvr - Reflector	1.00 1.00
Min. Distance Source - Reflector	0.10
Industrial (ISO 9613 (1996))	
Lateral Diffraction	some Obj
Obst. within Area Src do not shield	On
Screening	Excl. Ground Att. over Barrier
Dz with limit (20/25)	

Configuration	
Parameter	Value
Barrier Coefficients C1,2,3	3.0 20.0 0.0
Temperature (°C)	10
rel. Humidity (%)	70
Ground Absorption G	1.00
Wind Speed for Dir. (m/s)	3.0
Roads (RLS-90)	
Strictly acc. to RLS-90	
Railways (FTA/FRA)	
Aircraft (???)	
Strictly acc. to AzB	















Point Source, ISO 9613, Name: "Retail B5 Car Idling", ID: "B5_Car20"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
432	17591962.95	4839673.30	0.60	0	N	A	80.0	0.0	0.0	0.0	0.0	53.0	1.0	-2.6	0.0	0.0	0.0	0.0	0.0	28.6
432	17591962.95	4839673.30	0.60	0	E	A	80.0	0.0	-188.0	0.0	0.0	53.0	1.0	-2.6	0.0	0.0	0.0	0.0	0.0	-159.4

Point Source, ISO 9613, Name: "Exhaust Fan (Cook 245 ACRU)", ID: "A_KEF02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
435	17591846.81	4839829.76	9.00	0	D	A	82.5	0.0	0.0	0.0	0.0	57.3	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	25.6
435	17591846.81	4839829.76	9.00	0	N	A	82.5	0.0	0.0	0.0	0.0	57.3	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	25.6
435	17591846.81	4839829.76	9.00	0	E	A	82.5	0.0	0.0	0.0	0.0	57.3	0.8	-1.2	0.0	0.0	0.0	0.0	0.0	25.6

Point Source, ISO 9613, Name: "Kitchen Exhaust Fan (CaptiveAire DU33HFA)", ID: "A_KEF10"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
438	17591864.45	4839804.45	9.10	0	D	A	81.2	0.0	0.0	0.0	0.0	56.2	0.6	-1.4	0.0	0.0	0.0	0.0	0.0	25.7
438	17591864.45	4839804.45	9.10	0	N	A	81.2	0.0	0.0	0.0	0.0	56.2	0.6	-1.4	0.0	0.0	0.0	0.0	0.0	25.7
438	17591864.45	4839804.45	9.10	0	E	A	81.2	0.0	0.0	0.0	0.0	56.2	0.6	-1.4	0.0	0.0	0.0	0.0	0.0	25.7

Point Source, ISO 9613, Name: "Kitchen Exhaust Fan (CaptiveAire CASRE18DD)", ID: "A_KEF12"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
441	17591832.69	4839826.93	9.50	0	D	A	82.6	0.0	0.0	0.0	0.0	57.8	0.9	-1.3	0.0	0.0	0.0	0.0	0.0	25.3
441	17591832.69	4839826.93	9.50	0	N	A	82.6	0.0	0.0	0.0	0.0	57.8	0.9	-1.3	0.0	0.0	0.0	0.0	0.0	25.3
441	17591832.69	4839826.93	9.50	0	E	A	82.6	0.0	0.0	0.0	0.0	57.8	0.9	-1.3	0.0	0.0	0.0	0.0	0.0	25.3
444	17591832.69	4839826.93	9.50	1	D	A	82.6	0.0	0.0	0.0	0.0	60.8	1.2	-2.2	0.0	0.0	0.0	0.0	12.4	10.4
444	17591832.69	4839826.93	9.50	1	N	A	82.6	0.0	0.0	0.0	0.0	60.8	1.2	-2.2	0.0	0.0	0.0	0.0	12.4	10.4
444	17591832.69	4839826.93	9.50	1	E	A	82.6	0.0	0.0	0.0	0.0	60.8	1.2	-2.2	0.0	0.0	0.0	0.0	12.4	10.4

Point Source, ISO 9613, Name: "Kitchen Exhaust Fan (CaptiveAire CASRE18DD)", ID: "A_KEF11"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
447	17591828.91	4839828.13	9.50	0	D	A	82.8	0.0	0.0	0.0	0.0	58.0	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	25.2
447	17591828.91	4839828.13	9.50	0	N	A	82.8	0.0	0.0	0.0	0.0	58.0	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	25.2
447	17591828.91	4839828.13	9.50	0	E	A	82.8	0.0	0.0	0.0	0.0	58.0	1.0	-1.4	0.0	0.0	0.0	0.0	0.0	25.2
475	17591828.91	4839828.13	9.50	1	D	A	82.8	0.0	0.0	0.0	0.0	60.9	1.2	-2.2	0.0	0.0	6.9	0.0	11.6	4.3
475	17591828.91	4839828.13	9.50	1	N	A	82.8	0.0	0.0	0.0	0.0	60.9	1.2	-2.2	0.0	0.0	6.9	0.0	11.6	4.3
475	17591828.91	4839828.13	9.50	1	E	A	82.8	0.0	0.0	0.0	0.0	60.9	1.2	-2.2	0.0	0.0	6.9	0.0	11.6	4.3

Point Source, ISO 9613, Name: "Truck idling", ID: "C2_TRK_I1"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
478	17591721.34	4839523.46	2.40	0	D	A	100.9	0.0	-10.8	0.0	0.0	63.2	2.1	-4.3	0.0	0.0	0.0	0.0	0.0	29.1
478	17591721.34	4839523.46	2.40	0	N	A	100.9	0.0	-188.0	0.0	0.0	63.2	2.1	-4.3	0.0	0.0	0.0	0.0	0.0	-148.1
478	17591721.34	4839523.46	2.40	0	E	A	100.9	0.0	-10.8	0.0	0.0	63.2	2.1	-4.3	0.0	0.0	0.0	0.0	0.0	29.1
481	17591721.34	4839523.46	2.40	1	D	A	100.9	0.0	-10.8	0.0	0.0	63.7	2.2	-4.0	0.0	0.0	8.7	0.0	26.4	-7.1
481	17591721.34	4839523.46	2.40	1	N	A	100.9	0.0	-188.0	0.0	0.0	63.7	2.2	-4.0	0.0	0.0	8.7	0.0	26.4	-184.3
481	17591721.34	4839523.46	2.40	1	E	A	100.9	0.0	-10.8	0.0	0.0	63.7	2.2	-4.0	0.0	0.0	8.7	0.0	26.4	-7.1
484	17591721.34	4839523.46	2.40	1	D	A	100.9	0.0	-10.8	0.0	0.0	64.1	2.3	-4.5	0.0	0.0	9.3	0.0	2.1	16.7
484	17591721.34	4839523.46	2.40	1	N	A	100.9	0.0	-188.0	0.0	0.0	64.1	2.3	-4.5	0.0	0.0	9.3	0.0	2.1	-160.5
484	17591721.34	4839523.46	2.40	1	E	A	100.9	0.0	-10.8	0.0	0.0	64.1	2.3	-4.5	0.0	0.0	9.3	0.0	2.1	16.7

Line Source, ISO 9613, Name: "Refer Movement", ID: "A_TRUmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
494	17591905.83	4839796.48	3.50	0	DEN	A	60.6	2.5	0.0	0.0	0.0	54.0	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	9.4
522	17591919.72	4839781.51	3.50	0	DEN	A	60.6	15.9	0.0	0.0	0.0	52.9	0.6	-1.1	0.0	0.0	0.0	0.0	0.0	24.1
526	17591912.73	4839789.04	3.50	1	DEN	A	60.6	7.8	0.0	0.0	0.0	58.1	1.0	-1.8	0.0	0.0	0.0	0.0	3.7	7.4
668	17591922.92	4839777.20	3.50	0	DEN	A	60.6	14.5	0.0	0.0	0.0	52.7	0.6	-1.2	0.0	0.0	0.0	0.0	0.0	23.1
670	17591917.49	4839782.58	3.50	1	DEN	A	60.6	6.5	0.0	0.0	0.0	58.4	1.1	-1.8	0.0	0.0	0.0	0.0	3.7	5.7
821	17591908.14	4839791.81	3.50	0	DEN	A	60.6	11.2	0.0	0.0	0.0	53.8	0.7	-1.1	0.0	0.0	0.0	0.0	0.0	18.4
823	17591897.05	4839802.73	3.50	0	DEN	A	60.6	12.6	0.0	0.0	0.0	54.6	0.7	-1.0	0.0	0.0	0.0	0.0	0.0	18.8
847	17591923.20	4839810.34	3.50	0	DEN	A	60.6	13.8	0.0	0.0	0.0	53.1	0.7	-0.5	0.0	0.0	0.0	0.0	0.0	21.2
904	17591918.77	4839815.98	3.50	0	DEN	A	60.6	13.6	0.0	0.0	0.0	53.5	0.7	-0.6	0.0	0.0	0.0	0.0	0.0	20.6
1128	17591898.35	4839805.83	3.50	0	DEN	A	60.6	12.2	0.0	0.0	0.0	54.5	0.7	-0.9	0.0	0.0	0.0	0.0	0.0	18.5
1136	17591901.31	4839804.59	3.50	1	DEN	A	60.6	0.9	0.0	0.0	0.0	57.3	1.0	-1.4	0.0	0.0	0.0	0.0	3.6	1.1





Point Source, ISO 9613, Name: "Retail B3 Rooftop Unit ", ID: "B3_RTU01A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
703	17591954.28	4839567.57	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	57.9	0.9	-2.3	0.0	0.0	7.0	0.0	0.0	18.0
703	17591954.28	4839567.57	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	57.9	0.9	-2.3	0.0	0.0	7.0	0.0	0.0	14.9
703	17591954.28	4839567.57	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	57.9	0.9	-2.3	0.0	0.0	7.0	0.0	0.0	18.0

Line Source, ISO 9613, Name: "Truck Movement", ID: "C1_TRKmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
707	17591872.82	4839456.40	2.40	0	D	A	66.1	10.8	0.0	0.0	0.0	62.0	1.8	-3.7	0.0	0.0	8.7	0.0	0.0	8.0
707	17591872.82	4839456.40	2.40	0	N	A	63.1	10.8	0.0	0.0	0.0	62.0	1.8	-3.7	0.0	0.0	8.7	0.0	0.0	5.0
707	17591872.82	4839456.40	2.40	0	E	A	66.1	10.8	0.0	0.0	0.0	62.0	1.8	-3.7	0.0	0.0	8.7	0.0	0.0	8.0
709	17591859.84	4839466.42	2.40	0	D	A	66.1	13.1	0.0	0.0	0.0	62.0	1.8	-3.6	0.0	0.0	16.5	0.0	0.0	2.6
709	17591859.84	4839466.42	2.40	0	N	A	63.1	13.1	0.0	0.0	0.0	62.0	1.8	-3.6	0.0	0.0	16.5	0.0	0.0	-0.4
709	17591859.84	4839466.42	2.40	0	E	A	66.1	13.1	0.0	0.0	0.0	62.0	1.8	-3.6	0.0	0.0	16.5	0.0	0.0	2.6
718	17591839.21	4839482.36	2.40	0	D	A	66.1	15.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	15.6	0.0	0.0	5.5
718	17591839.21	4839482.36	2.40	0	N	A	63.1	15.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	15.6	0.0	0.0	2.4
718	17591839.21	4839482.36	2.40	0	E	A	66.1	15.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	15.6	0.0	0.0	5.5
721	17591820.82	4839496.57	2.40	0	D	A	66.1	11.8	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	13.7	0.0	0.0	4.0
721	17591820.82	4839496.57	2.40	0	N	A	63.1	11.8	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	13.7	0.0	0.0	1.0
721	17591820.82	4839496.57	2.40	0	E	A	66.1	11.8	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	13.7	0.0	0.0	4.0
734	17591872.33	4839456.77	2.40	2	D	A	66.1	11.3	0.0	0.0	0.0	64.7	2.3	-4.1	0.0	0.0	8.9	0.0	27.2	-21.6
734	17591872.33	4839456.77	2.40	2	N	A	63.1	11.3	0.0	0.0	0.0	64.7	2.3	-4.1	0.0	0.0	8.9	0.0	27.2	-24.6
734	17591872.33	4839456.77	2.40	2	E	A	66.1	11.3	0.0	0.0	0.0	64.7	2.3	-4.1	0.0	0.0	8.9	0.0	27.2	-21.6
738	17591860.06	4839466.25	2.40	1	D	A	66.1	12.0	0.0	0.0	0.0	62.8	1.9	-3.8	0.0	0.0	10.7	0.0	4.5	2.0
738	17591860.06	4839466.25	2.40	1	N	A	63.1	12.0	0.0	0.0	0.0	62.8	1.9	-3.8	0.0	0.0	10.7	0.0	4.5	-1.0
738	17591860.06	4839466.25	2.40	1	E	A	66.1	12.0	0.0	0.0	0.0	62.8	1.9	-3.8	0.0	0.0	10.7	0.0	4.5	2.0
741	17591842.98	4839479.45	2.40	1	D	A	66.1	14.4	0.0	0.0	0.0	62.7	1.9	-3.8	0.0	0.0	9.3	0.0	4.0	6.3
741	17591842.98	4839479.45	2.40	1	N	A	63.1	14.4	0.0	0.0	0.0	62.7	1.9	-3.8	0.0	0.0	9.3	0.0	4.0	3.3
741	17591842.98	4839479.45	2.40	1	E	A	66.1	14.4	0.0	0.0	0.0	62.7	1.9	-3.8	0.0	0.0	9.3	0.0	4.0	6.3
747	17591860.40	4839465.99	2.40	2	D	A	66.1	11.2	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	9.5	0.0	8.8	-2.4
747	17591860.40	4839465.99	2.40	2	N	A	63.1	11.2	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	9.5	0.0	8.8	-5.4
747	17591860.40	4839465.99	2.40	2	E	A	66.1	11.2	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	9.5	0.0	8.8	-2.4
750	17591845.24	4839477.70	2.40	2	D	A	66.1	14.0	0.0	0.0	0.0	63.2	2.0	-3.9	0.0	0.0	8.8	0.0	8.2	1.7
750	17591845.24	4839477.70	2.40	2	N	A	63.1	14.0	0.0	0.0	0.0	63.2	2.0	-3.9	0.0	0.0	8.8	0.0	8.2	-1.3
750	17591845.24	4839477.70	2.40	2	E	A	66.1	14.0	0.0	0.0	0.0	63.2	2.0	-3.9	0.0	0.0	8.8	0.0	8.2	1.7
753	17591833.84	4839486.51	2.40	2	D	A	66.1	5.9	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-11.2
753	17591833.84	4839486.51	2.40	2	N	A	63.1	5.9	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-14.2
753	17591833.84	4839486.51	2.40	2	E	A	66.1	5.9	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-11.2
765	17591869.09	4839459.27	2.40	2	D	A	66.1	8.4	0.0	0.0	0.0	67.6	2.8	-4.4	0.0	0.0	9.2	0.0	95.7	-96.4
765	17591869.09	4839459.27	2.40	2	N	A	63.1	8.4	0.0	0.0	0.0	67.6	2.8	-4.4	0.0	0.0	9.2	0.0	95.7	-99.4
765	17591869.09	4839459.27	2.40	2	E	A	66.1	8.4	0.0	0.0	0.0	67.6	2.8	-4.4	0.0	0.0	9.2	0.0	95.7	-96.4
768	17591852.22	4839472.31	2.40	2	D	A	66.1	15.5	0.0	0.0	0.0	67.6	2.8	-4.5	0.0	0.0	14.0	0.0	06.7	-104.9
768	17591852.22	4839472.31	2.40	2	N	A	63.1	15.5	0.0	0.0	0.0	67.6	2.8	-4.5	0.0	0.0	14.0	0.0	06.7	-107.9
768	17591852.22	4839472.31	2.40	2	E	A	66.1	15.5	0.0	0.0	0.0	67.6	2.8	-4.5	0.0	0.0	14.0	0.0	06.7	-104.9
784	17591829.67	4839482.15	2.40	0	D	A	66.1	16.8	0.0	0.0	0.0	62.1	1.8	-3.7	0.0	0.0	12.9	0.0	0.0	9.7
784	17591829.67	4839482.15	2.40	0	N	A	63.1	16.8	0.0	0.0	0.0	62.1	1.8	-3.7	0.0	0.0	12.9	0.0	0.0	6.7
784	17591829.67	4839482.15	2.40	0	E	A	66.1	16.8	0.0	0.0	0.0	62.1	1.8	-3.7	0.0	0.0	12.9	0.0	0.0	9.7
787	17591856.77	4839461.37	2.40	0	D	A	66.1	13.2	0.0	0.0	0.0	62.1	1.9	-3.7	0.0	0.0	14.6	0.0	0.0	4.4
787	17591856.77	4839461.37	2.40	0	N	A	63.1	13.2	0.0	0.0	0.0	62.1	1.9	-3.7	0.0	0.0	14.6	0.0	0.0	1.4
787	17591856.77	4839461.37	2.40	0	E	A	66.1	13.2	0.0	0.0	0.0	62.1	1.9	-3.7	0.0	0.0	14.6	0.0	0.0	4.4
789	17591869.51	4839451.60	2.40	0	D	A	66.1	10.5	0.0	0.0	0.0	62.2	1.9	-3.7	0.0	0.0	8.7	0.0	0.0	7.5
789	17591869.51	4839451.60	2.40	0	N	A	63.1	10.5	0.0	0.0	0.0	62.2	1.9	-3.7	0.0	0.0	8.7	0.0	0.0	4.5
789	17591869.51	4839451.60	2.40	0	E	A	66.1	10.5	0.0	0.0	0.0	62.2	1.9	-3.7	0.0	0.0	8.7	0.0	0.0	7.5
796	17591839.16	4839474.88	2.40	1	D	A	66.1	14.3	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	9.7	0.0	4.1	5.9
796	17591839.16	4839474.88	2.40	1	N	A	63.1	14.3	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	9.7	0.0	4.1	2.9
796	17591839.16	4839474.88	2.40	1	E	A	66.1	14.3	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	9.7	0.0	4.1	5.9
798	17591856.04	4839461.93	2.40	1	D	A	66.1	11.9	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	11.2	0.0	4.6	1.4
798	17591856.04	4839461.93	2.40	1	N	A	63.1	11.9	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	11.2	0.0	4.6	-1.6
798	17591856.04	4839461.93	2.40	1	E	A	66.1	11.9	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	11.2	0.0	4.6	1.4
808	17591841.85	4839472.82	2.40	2	D	A	66.1	14.0	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-3.1
808	17591841.85	4839472.82	2.40	2	N	A	63.1	14.0	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-6.1
808	17591841.85	4839472.82	2.40	2	E	A	66.1	14.0	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-3.1
811	17591857.26	4839460.99	2.40	2	D	A	66.1	11.3	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	9.3	0.0	14.0	-7.5
811	17591857.26	4839460.99	2.40	2	N	A	63.1	11.3	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	9.3	0.0	14.0	-10.5

Line Source, ISO 9613, Name: "Truck Movement", ID: "C1_TRKmov"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
811	17591857.26	4839460.99	2.40	2	E	A	66.1	11.3	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	9.3	0.0	14.0	-7.5
813	17591830.26	4839481.71	2.40	2	D	A	66.1	5.9	0.0	0.0	0.0	63.4	2.0	-4.0	0.0	0.0	8.8	0.0	13.0	-11.2
813	17591830.26	4839481.71	2.40	2	N	A	63.1	5.9	0.0	0.0	0.0	63.4	2.0	-4.0	0.0	0.0	8.8	0.0	13.0	-14.2
813	17591830.26	4839481.71	2.40	2	E	A	66.1	5.9	0.0	0.0	0.0	63.4	2.0	-4.0	0.0	0.0	8.8	0.0	13.0	-11.2
911	17591775.25	4839531.80	2.40	0	D	A	66.1	17.5	0.0	0.0	0.0	62.1	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	23.8
911	17591775.25	4839531.80	2.40	0	N	A	63.1	17.5	0.0	0.0	0.0	62.1	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	20.8
911	17591775.25	4839531.80	2.40	0	E	A	66.1	17.5	0.0	0.0	0.0	62.1	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	23.8
914	17591777.79	4839529.23	2.40	1	D	A	66.1	16.9	0.0	0.0	0.0	62.6	1.9	-3.7	0.0	0.0	8.5	0.0	22.1	-8.3
914	17591777.79	4839529.23	2.40	1	N	A	63.1	16.9	0.0	0.0	0.0	62.6	1.9	-3.7	0.0	0.0	8.5	0.0	22.1	-11.4
914	17591777.79	4839529.23	2.40	1	E	A	66.1	16.9	0.0	0.0	0.0	62.6	1.9	-3.7	0.0	0.0	8.5	0.0	22.1	-8.3
916	17591757.77	4839549.50	2.40	2	D	A	66.1	8.4	0.0	0.0	0.0	63.6	2.1	-3.8	0.0	0.0	8.6	0.0	25.4	-21.4
916	17591757.77	4839549.50	2.40	2	N	A	63.1	8.4	0.0	0.0	0.0	63.6	2.1	-3.8	0.0	0.0	8.6	0.0	25.4	-24.4
916	17591757.77	4839549.50	2.40	2	E	A	66.1	8.4	0.0	0.0	0.0	63.6	2.1	-3.8	0.0	0.0	8.6	0.0	25.4	-21.4
918	17591769.17	4839537.96	2.40	2	D	A	66.1	14.1	0.0	0.0	0.0	63.4	2.0	-3.8	0.0	0.0	8.6	0.0	25.2	-15.3
918	17591769.17	4839537.96	2.40	2	N	A	63.1	14.1	0.0	0.0	0.0	63.4	2.0	-3.8	0.0	0.0	8.6	0.0	25.2	-18.3
918	17591769.17	4839537.96	2.40	2	E	A	66.1	14.1	0.0	0.0	0.0	63.4	2.0	-3.8	0.0	0.0	8.6	0.0	25.2	-15.3
921	17591763.77	4839543.43	2.40	1	D	A	66.1	13.8	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	13.2
921	17591763.77	4839543.43	2.40	1	N	A	63.1	13.8	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	10.2
921	17591763.77	4839543.43	2.40	1	E	A	66.1	13.8	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	13.2
923	17591776.51	4839530.53	2.40	1	D	A	66.1	10.9	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	3.7	12.7
923	17591776.51	4839530.53	2.40	1	N	A	63.1	10.9	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	3.7	9.7
923	17591776.51	4839530.53	2.40	1	E	A	66.1	10.9	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	3.7	12.7
926	17591771.41	4839535.69	2.40	1	D	A	66.1	7.3	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	13.9	0.0	35.0	-39.2
926	17591771.41	4839535.69	2.40	1	N	A	63.1	7.3	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	13.9	0.0	35.0	-42.2
926	17591771.41	4839535.69	2.40	1	E	A	66.1	7.3	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	13.9	0.0	35.0	-39.2
937	17591788.56	4839518.33	2.40	2	D	A	66.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.5	0.0	0.0	9.4	0.0	29.1	-33.1
937	17591788.56	4839518.33	2.40	2	N	A	63.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.5	0.0	0.0	9.4	0.0	29.1	-36.2
937	17591788.56	4839518.33	2.40	2	E	A	66.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.5	0.0	0.0	9.4	0.0	29.1	-33.1
939	17591789.94	4839516.93	2.40	2	D	A	66.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-23.4
939	17591789.94	4839516.93	2.40	2	N	A	63.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-26.4
939	17591789.94	4839516.93	2.40	2	E	A	66.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-23.4
958	17591791.05	4839515.80	2.40	2	D	A	66.1	0.7	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-25.7
958	17591791.05	4839515.80	2.40	2	N	A	63.1	0.7	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-28.7
958	17591791.05	4839515.80	2.40	2	E	A	66.1	0.7	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-25.7
962	17591789.16	4839517.71	2.40	2	D	A	66.1	4.1	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-22.2
962	17591789.16	4839517.71	2.40	2	N	A	63.1	4.1	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-25.2
962	17591789.16	4839517.71	2.40	2	E	A	66.1	4.1	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-22.2
964	17591790.96	4839515.90	2.40	2	D	A	66.1	4.0	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.0	-31.8
964	17591790.96	4839515.90	2.40	2	N	A	63.1	4.0	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.0	-34.8
964	17591790.96	4839515.90	2.40	2	E	A	66.1	4.0	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.0	-31.8
967	17591764.72	4839542.46	2.40	1	D	A	66.1	14.3	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	12.2	0.0	8.6	-2.9
967	17591764.72	4839542.46	2.40	1	N	A	63.1	14.3	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	12.2	0.0	8.6	-5.9
967	17591764.72	4839542.46	2.40	1	E	A	66.1	14.3	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	12.2	0.0	8.6	-2.9
980	17591778.97	4839535.21	2.40	0	D	A	66.1	16.7	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	23.0
980	17591778.97	4839535.21	2.40	0	N	A	63.1	16.7	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	20.0
980	17591778.97	4839535.21	2.40	0	E	A	66.1	16.7	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	23.0
982	17591780.16	4839534.10	2.40	1	D	A	66.1	16.3	0.0	0.0	0.0	62.5	1.9	-3.6	0.0	0.0	8.4	0.0	21.9	-8.7
982	17591780.16	4839534.10	2.40	1	N	A	63.1	16.3	0.0	0.0	0.0	62.5	1.9	-3.6	0.0	0.0	8.4	0.0	21.9	-11.7
982	17591780.16	4839534.10	2.40	1	E	A	66.1	16.3	0.0	0.0	0.0	62.5	1.9	-3.6	0.0	0.0	8.4	0.0	21.9	-8.7
985	17591770.94	4839542.77	2.40	2	D	A	66.1	13.9	0.0	0.0	0.0	63.5	2.1	-3.8	0.0	0.0	8.6	0.0	25.3	-15.7
985	17591770.94	4839542.77	2.40	2	N	A	63.1	13.9	0.0	0.0	0.0	63.5	2.1	-3.8	0.0	0.0	8.6	0.0	25.3	-18.8
985	17591770.94	4839542.77	2.40	2	E	A	66.1	13.9	0.0	0.0	0.0	63.5	2.1	-3.8	0.0	0.0	8.6	0.0	25.3	-15.7
988	17591778.96	4839535.23	2.40	1	D	A	66.1	10.9	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	10.3
988	17591778.96	4839535.23	2.40	1	N	A	63.1	10.9	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	7.3
988	17591778.96	4839535.23	2.40	1	E	A	66.1	10.9	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	10.3
989	17591768.30	4839545.26	2.40	1	D	A	66.1	12.3	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	11.6
989	17591768.30	4839545.26	2.40	1	N	A	63.1	12.3	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	8.6
989	17591768.30	4839545.26	2.40	1	E	A	66.1	12.3	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	11.6
992	17591773.79	4839540.09	2.40	1	D	A	66.1	7.3	0.0	0.0	0.0	65.9	2.5	-4.6	0.0	0.0	12.8	0.0	34.4	-37.6
992	17591773.79	4839540.09	2.40	1	N	A	63.1	7.3	0.0	0.0	0.0	65.9	2.5	-4.6	0.0	0.0	12.8	0.0	34.4	-40.6
992	17591773.79	4839540.09	2.40	1	E	A	66.1	7.3	0.0	0.0	0.0	65.9	2.5	-4.6	0.0	0.0	12.8	0.0	34.4	-37.6
994	17591795.31	4839519.84	2.40	2	D	A	66.1	0.8	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-25.9
994	17591795.31	4839519.84	2.40	2	N	A	63.1	0.8	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-28.9

Line Source, ISO 9613, Name: "Truck Movement", ID: "C1_TRKmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	dB(A)									
994	17591795.31	4839519.84	2.40	2	E	A	66.1	0.8	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-25.9
996	17591794.15	4839520.94	2.40	2	D	A	66.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.0	-23.6
996	17591794.15	4839520.94	2.40	2	N	A	63.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.0	-26.6
996	17591794.15	4839520.94	2.40	2	E	A	66.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.0	-23.6
998	17591792.70	4839522.30	2.40	2	D	A	66.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	9.3	0.0	29.2	-33.3
998	17591792.70	4839522.30	2.40	2	N	A	63.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	9.3	0.0	29.2	-36.3
998	17591792.70	4839522.30	2.40	2	E	A	66.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	9.3	0.0	29.2	-33.3
1001	17591794.98	4839520.15	2.40	2	D	A	66.1	3.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.1	-32.4
1001	17591794.98	4839520.15	2.40	2	N	A	63.1	3.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.1	-35.4
1001	17591794.98	4839520.15	2.40	2	E	A	66.1	3.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.1	-32.4
1002	17591793.17	4839521.86	2.40	2	D	A	66.1	4.2	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-22.4
1002	17591793.17	4839521.86	2.40	2	N	A	63.1	4.2	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-25.4
1002	17591793.17	4839521.86	2.40	2	E	A	66.1	4.2	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-22.4
1008	17591769.35	4839544.27	2.40	1	D	A	66.1	13.0	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	11.3	0.0	8.0	-2.8
1008	17591769.35	4839544.27	2.40	1	N	A	63.1	13.0	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	11.3	0.0	8.0	-5.8
1008	17591769.35	4839544.27	2.40	1	E	A	66.1	13.0	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	11.3	0.0	8.0	-2.8
1014	17591693.97	4839512.05	2.40	0	D	A	66.1	17.8	0.0	0.0	0.0	63.7	2.1	-4.4	0.0	0.0	0.0	0.0	0.0	22.5
1014	17591693.97	4839512.05	2.40	0	N	A	63.1	17.8	0.0	0.0	0.0	63.7	2.1	-4.4	0.0	0.0	0.0	0.0	0.0	19.5
1014	17591693.97	4839512.05	2.40	0	E	A	66.1	17.8	0.0	0.0	0.0	63.7	2.1	-4.4	0.0	0.0	0.0	0.0	0.0	22.5
1020	17591690.00	4839507.75	2.40	1	D	A	66.1	13.2	0.0	0.0	0.0	64.4	2.2	-3.9	0.0	0.0	8.7	0.0	24.6	-16.7
1020	17591690.00	4839507.75	2.40	1	N	A	63.1	13.2	0.0	0.0	0.0	64.4	2.2	-3.9	0.0	0.0	8.7	0.0	24.6	-19.7
1020	17591690.00	4839507.75	2.40	1	E	A	66.1	13.2	0.0	0.0	0.0	64.4	2.2	-3.9	0.0	0.0	8.7	0.0	24.6	-16.7
1029	17591704.37	4839523.33	2.40	1	D	A	66.1	7.4	0.0	0.0	0.0	64.0	2.1	-4.4	0.0	0.0	9.8	0.0	6.7	-4.6
1029	17591704.37	4839523.33	2.40	1	N	A	63.1	7.4	0.0	0.0	0.0	64.0	2.1	-4.4	0.0	0.0	9.8	0.0	6.7	-7.6
1029	17591704.37	4839523.33	2.40	1	E	A	66.1	7.4	0.0	0.0	0.0	64.0	2.1	-4.4	0.0	0.0	9.8	0.0	6.7	-4.6
1034	17591712.91	4839532.59	2.40	1	D	A	66.1	7.0	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	7.5
1034	17591712.91	4839532.59	2.40	1	N	A	63.1	7.0	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	4.5
1034	17591712.91	4839532.59	2.40	1	E	A	66.1	7.0	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	7.5
1111	17591688.11	4839511.33	2.40	0	D	A	66.1	17.2	0.0	0.0	0.0	63.9	2.1	-4.4	0.0	0.0	0.0	0.0	0.0	21.7
1111	17591688.11	4839511.33	2.40	0	N	A	63.1	17.2	0.0	0.0	0.0	63.9	2.1	-4.4	0.0	0.0	0.0	0.0	0.0	18.7
1111	17591688.11	4839511.33	2.40	0	E	A	66.1	17.2	0.0	0.0	0.0	63.9	2.1	-4.4	0.0	0.0	0.0	0.0	0.0	21.7
1115	17591683.41	4839504.44	2.40	1	D	A	66.1	11.9	0.0	0.0	0.0	64.6	2.2	-3.9	0.0	0.0	8.7	0.0	24.9	-18.4
1115	17591683.41	4839504.44	2.40	1	N	A	63.1	11.9	0.0	0.0	0.0	64.6	2.2	-3.9	0.0	0.0	8.7	0.0	24.9	-21.4
1115	17591683.41	4839504.44	2.40	1	E	A	66.1	11.9	0.0	0.0	0.0	64.6	2.2	-3.9	0.0	0.0	8.7	0.0	24.9	-18.4
1125	17591700.20	4839529.03	2.40	1	D	A	66.1	7.7	0.0	0.0	0.0	64.1	2.2	-4.4	0.0	0.0	9.5	0.0	6.5	-4.0
1125	17591700.20	4839529.03	2.40	1	N	A	63.1	7.7	0.0	0.0	0.0	64.1	2.2	-4.4	0.0	0.0	9.5	0.0	6.5	-7.0
1125	17591700.20	4839529.03	2.40	1	E	A	66.1	7.7	0.0	0.0	0.0	64.1	2.2	-4.4	0.0	0.0	9.5	0.0	6.5	-4.0
1357	17591812.61	4839503.33	2.40	0	D	A	66.1	8.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	9.8	0.0	0.0	4.3
1357	17591812.61	4839503.33	2.40	0	N	A	63.1	8.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	9.8	0.0	0.0	1.3
1357	17591812.61	4839503.33	2.40	0	E	A	66.1	8.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	9.8	0.0	0.0	4.3
1365	17591803.09	4839512.43	2.40	0	D	A	66.1	13.0	0.0	0.0	0.0	61.9	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	19.2
1365	17591803.09	4839512.43	2.40	0	N	A	63.1	13.0	0.0	0.0	0.0	61.9	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	16.1
1365	17591803.09	4839512.43	2.40	0	E	A	66.1	13.0	0.0	0.0	0.0	61.9	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	19.2
1373	17591796.55	4839518.68	2.40	1	D	A	66.1	2.9	0.0	0.0	0.0	62.4	1.9	-3.6	0.0	0.0	8.4	0.0	21.7	-21.8
1373	17591796.55	4839518.68	2.40	1	N	A	63.1	2.9	0.0	0.0	0.0	62.4	1.9	-3.6	0.0	0.0	8.4	0.0	21.7	-24.9
1373	17591796.55	4839518.68	2.40	1	E	A	66.1	2.9	0.0	0.0	0.0	62.4	1.9	-3.6	0.0	0.0	8.4	0.0	21.7	-21.8
1381	17591795.91	4839519.28	2.40	2	D	A	66.1	-7.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.5	0.0	29.1	-43.8
1381	17591795.91	4839519.28	2.40	2	N	A	63.1	-7.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.5	0.0	29.1	-46.8
1381	17591795.91	4839519.28	2.40	2	E	A	66.1	-7.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.5	0.0	29.1	-43.8
1413	17591800.74	4839506.29	2.40	0	D	A	66.1	11.9	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	17.9
1413	17591800.74	4839506.29	2.40	0	N	A	63.1	11.9	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	14.8
1413	17591800.74	4839506.29	2.40	0	E	A	66.1	11.9	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	17.9
1421	17591808.60	4839498.76	2.40	0	D	A	66.1	8.0	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	8.6	0.0	0.0	5.4
1421	17591808.60	4839498.76	2.40	0	N	A	63.1	8.0	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	8.6	0.0	0.0	2.4
1421	17591808.60	4839498.76	2.40	0	E	A	66.1	8.0	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	8.6	0.0	0.0	5.4
1539	17591732.53	4839559.47	2.40	0	D	A	66.1	13.2	0.0	0.0	0.0	62.5	1.9	-4.0	0.0	0.0	0.0	0.0	0.0	19.0
1539	17591732.53	4839559.47	2.40	0	N	A	63.1	13.2	0.0	0.0	0.0	62.5	1.9	-4.0	0.0	0.0	0.0	0.0	0.0	15.9
1539	17591732.53	4839559.47	2.40	0	E	A	66.1	13.2	0.0	0.0	0.0	62.5	1.9	-4.0	0.0	0.0	0.0	0.0	0.0	19.0
1547	17591741.81	4839562.28	2.40	1	D	A	66.1	2.0	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-10.2
1547	17591741.81	4839562.28	2.40	1	N	A	63.1	2.0	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-13.2
1547	17591741.81	4839562.28	2.40	1	E	A	66.1	2.0	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-10.2
1555	17591737.34	4839560.93	2.40	1	D	A	66.1	8.9	0.0	0.0	0.0	64.8	2.3	-4.6	0.0	0.0	9.3	0.0	6.3	-3.2
1555	17591737.34	4839560.93	2.40	1	N	A	63.1	8.9	0.0	0.0	0.0	64.8	2.3	-4.6	0.0	0.0	9.3	0.0	6.3	-6.2

Line Source, ISO 9613, Name: "Truck Movement", ID: "C1_TRKmov"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB(A))						
1555	17591737.34	4839560.93	2.40	1	E	A	66.1	8.9	0.0	0.0	0.0	64.8	2.3	-4.6	0.0	0.0	9.3	0.0	6.3	-3.2
1563	17591728.05	4839558.12	2.40	1	D	A	66.1	10.7	0.0	0.0	0.0	64.7	2.2	-4.5	0.0	0.0	0.0	0.0	6.3	8.1
1563	17591728.05	4839558.12	2.40	1	N	A	63.1	10.7	0.0	0.0	0.0	64.7	2.2	-4.5	0.0	0.0	0.0	0.0	6.3	5.1
1563	17591728.05	4839558.12	2.40	1	E	A	66.1	10.7	0.0	0.0	0.0	64.7	2.2	-4.5	0.0	0.0	0.0	0.0	6.3	8.1
1571	17591712.30	4839539.12	2.40	0	D	A	66.1	13.5	0.0	0.0	0.0	63.1	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	18.7
1571	17591712.30	4839539.12	2.40	0	N	A	63.1	13.5	0.0	0.0	0.0	63.1	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	15.7
1571	17591712.30	4839539.12	2.40	0	E	A	66.1	13.5	0.0	0.0	0.0	63.1	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	18.7
1579	17591718.55	4839543.19	2.40	1	D	A	66.1	8.7	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	9.0
1579	17591718.55	4839543.19	2.40	1	N	A	63.1	8.7	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	6.0
1579	17591718.55	4839543.19	2.40	1	E	A	66.1	8.7	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	9.0
1587	17591731.22	4839537.33	2.40	0	D	A	66.1	13.2	0.0	0.0	0.0	62.8	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	18.8
1587	17591731.22	4839537.33	2.40	0	N	A	63.1	13.2	0.0	0.0	0.0	62.8	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	15.8
1587	17591731.22	4839537.33	2.40	0	E	A	66.1	13.2	0.0	0.0	0.0	62.8	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	18.8
1595	17591726.16	4839533.64	2.40	1	D	A	66.1	9.2	0.0	0.0	0.0	64.3	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	0.3
1595	17591726.16	4839533.64	2.40	1	N	A	63.1	9.2	0.0	0.0	0.0	64.3	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-2.7
1595	17591726.16	4839533.64	2.40	1	E	A	66.1	9.2	0.0	0.0	0.0	64.3	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	0.3
1603	17591734.59	4839539.79	2.40	1	D	A	66.1	11.0	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	9.7	0.0	4.0	1.2
1603	17591734.59	4839539.79	2.40	1	N	A	63.1	11.0	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	9.7	0.0	4.0	-1.8
1603	17591734.59	4839539.79	2.40	1	E	A	66.1	11.0	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	9.7	0.0	4.0	1.2
1619	17591721.95	4839542.13	2.40	0	D	A	66.1	13.3	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	18.7
1619	17591721.95	4839542.13	2.40	0	N	A	63.1	13.3	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	15.7
1619	17591721.95	4839542.13	2.40	0	E	A	66.1	13.3	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	0.0	18.7
1627	17591721.95	4839542.13	2.40	1	D	A	66.1	13.3	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	13.5
1627	17591721.95	4839542.13	2.40	1	N	A	63.1	13.3	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	10.5
1627	17591721.95	4839542.13	2.40	1	E	A	66.1	13.3	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	13.5
1764	17591730.66	4839544.35	2.40	0	D	A	66.1	12.6	0.0	0.0	0.0	62.7	1.9	-4.2	0.0	0.0	0.0	0.0	0.0	18.2
1764	17591730.66	4839544.35	2.40	0	N	A	63.1	12.6	0.0	0.0	0.0	62.7	1.9	-4.2	0.0	0.0	0.0	0.0	0.0	15.2
1764	17591730.66	4839544.35	2.40	0	E	A	66.1	12.6	0.0	0.0	0.0	62.7	1.9	-4.2	0.0	0.0	0.0	0.0	0.0	18.2
1772	17591736.37	4839543.79	2.40	1	D	A	66.1	8.2	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	9.6	0.0	3.9	-1.4
1772	17591736.37	4839543.79	2.40	1	N	A	63.1	8.2	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	9.6	0.0	3.9	-4.4
1772	17591736.37	4839543.79	2.40	1	E	A	66.1	8.2	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	9.6	0.0	3.9	-1.4
1780	17591730.12	4839544.40	2.40	1	D	A	66.1	7.8	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-1.4
1780	17591730.12	4839544.40	2.40	1	N	A	63.1	7.8	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-4.4
1780	17591730.12	4839544.40	2.40	1	E	A	66.1	7.8	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-1.4
1788	17591724.41	4839544.96	2.40	1	D	A	66.1	7.4	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	7.6
1788	17591724.41	4839544.96	2.40	1	N	A	63.1	7.4	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	4.6
1788	17591724.41	4839544.96	2.40	1	E	A	66.1	7.4	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	7.6
1850	17591747.89	4839554.08	2.40	0	D	A	66.1	11.9	0.0	0.0	0.0	62.3	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	18.0
1850	17591747.89	4839554.08	2.40	0	N	A	63.1	11.9	0.0	0.0	0.0	62.3	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	15.0
1850	17591747.89	4839554.08	2.40	0	E	A	66.1	11.9	0.0	0.0	0.0	62.3	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	18.0
1858	17591752.85	4839552.67	2.40	2	D	A	66.1	7.1	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-22.8
1858	17591752.85	4839552.67	2.40	2	N	A	63.1	7.1	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-25.8
1858	17591752.85	4839552.67	2.40	2	E	A	66.1	7.1	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-22.8
1866	17591754.86	4839552.11	2.40	1	D	A	66.1	-0.1	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-0.8
1866	17591754.86	4839552.11	2.40	1	N	A	63.1	-0.1	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-3.9
1866	17591754.86	4839552.11	2.40	1	E	A	66.1	-0.1	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-0.8
1874	17591747.89	4839554.08	2.40	1	D	A	66.1	11.9	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-0.3
1874	17591747.89	4839554.08	2.40	1	N	A	63.1	11.9	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-3.3
1874	17591747.89	4839554.08	2.40	1	E	A	66.1	11.9	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-0.3
1882	17591718.58	4839548.94	2.40	0	D	A	66.1	12.3	0.0	0.0	0.0	62.9	2.0	-4.1	0.0	0.0	0.0	0.0	0.0	17.6
1882	17591718.58	4839548.94	2.40	0	N	A	63.1	12.3	0.0	0.0	0.0	62.9	2.0	-4.1	0.0	0.0	0.0	0.0	0.0	14.6
1882	17591718.58	4839548.94	2.40	0	E	A	66.1	12.3	0.0	0.0	0.0	62.9	2.0	-4.1	0.0	0.0	0.0	0.0	0.0	17.6
1890	17591720.52	4839552.66	2.40	1	D	A	66.1	9.3	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	9.4
1890	17591720.52	4839552.66	2.40	1	N	A	63.1	9.3	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	6.4
1890	17591720.52	4839552.66	2.40	1	E	A	66.1	9.3	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	9.4
2061	17591757.65	4839555.88	2.40	0	D	A	66.1	11.2	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	17.5
2061	17591757.65	4839555.88	2.40	0	N	A	63.1	11.2	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	14.5
2061	17591757.65	4839555.88	2.40	0	E	A	66.1	11.2	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	17.5
2069	17591761.74	4839551.48	2.40	2	D	A	66.1	0.3	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-29.6
2069	17591761.74	4839551.48	2.40	2	N	A	63.1	0.3	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-32.6
2069	17591761.74	4839551.48	2.40	2	E	A	66.1	0.3	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-29.6
2077	17591757.28	4839556.28	2.40	2	D	A	66.1	10.8	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.6	-19.3
2077	17591757.28	4839556.28	2.40	2	N	A	63.1	10.8	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.6	-22.3

Line Source, ISO 9613, Name: "Truck Movement", ID: "C1_TRKmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
2077	17591757.28	4839556.28	2.40	2	E	A	66.1	10.8	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.6	-19.3
2085	17591759.29	4839554.11	2.40	1	D	A	66.1	9.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	8.3
2085	17591759.29	4839554.11	2.40	1	N	A	63.1	9.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	5.3
2085	17591759.29	4839554.11	2.40	1	E	A	66.1	9.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	8.3
2093	17591757.65	4839555.88	2.40	1	D	A	66.1	11.2	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	11.0	0.0	7.7	-4.0
2093	17591757.65	4839555.88	2.40	1	N	A	63.1	11.2	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	11.0	0.0	7.7	-7.0
2093	17591757.65	4839555.88	2.40	1	E	A	66.1	11.2	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	11.0	0.0	7.7	-4.0
2117	17591734.86	4839552.99	2.40	0	D	A	66.1	11.1	0.0	0.0	0.0	62.5	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	16.9
2117	17591734.86	4839552.99	2.40	0	N	A	63.1	11.1	0.0	0.0	0.0	62.5	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	13.9
2117	17591734.86	4839552.99	2.40	0	E	A	66.1	11.1	0.0	0.0	0.0	62.5	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	16.9
2125	17591733.52	4839552.22	2.40	1	D	A	66.1	9.9	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	9.3	0.0	6.3	-2.0
2125	17591733.52	4839552.22	2.40	1	N	A	63.1	9.9	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	9.3	0.0	6.3	-5.0
2125	17591733.52	4839552.22	2.40	1	E	A	66.1	9.9	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	9.3	0.0	6.3	-2.0
2132	17591739.10	4839555.41	2.40	1	D	A	66.1	4.9	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-7.2
2132	17591739.10	4839555.41	2.40	1	N	A	63.1	4.9	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-10.2
2132	17591739.10	4839555.41	2.40	1	E	A	66.1	4.9	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-7.2
2140	17591747.88	4839561.60	2.40	0	D	A	66.1	10.3	0.0	0.0	0.0	62.2	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	16.5
2140	17591747.88	4839561.60	2.40	0	N	A	63.1	10.3	0.0	0.0	0.0	62.2	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	13.4
2140	17591747.88	4839561.60	2.40	0	E	A	66.1	10.3	0.0	0.0	0.0	62.2	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	16.5
2148	17591752.59	4839560.79	2.40	2	D	A	66.1	0.9	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	25.7	-29.4
2148	17591752.59	4839560.79	2.40	2	N	A	63.1	0.9	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	25.7	-32.4
2148	17591752.59	4839560.79	2.40	2	E	A	66.1	0.9	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	25.7	-29.4
2156	17591747.88	4839561.60	2.40	1	D	A	66.1	10.3	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-1.9
2156	17591747.88	4839561.60	2.40	1	N	A	63.1	10.3	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-4.9
2156	17591747.88	4839561.60	2.40	1	E	A	66.1	10.3	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-1.9
2164	17591718.74	4839536.31	2.40	0	D	A	66.1	11.2	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	16.5
2164	17591718.74	4839536.31	2.40	0	N	A	63.1	11.2	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	13.5
2164	17591718.74	4839536.31	2.40	0	E	A	66.1	11.2	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	16.5
2171	17591718.55	4839536.55	2.40	1	D	A	66.1	10.3	0.0	0.0	0.0	64.3	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	10.7
2171	17591718.55	4839536.55	2.40	1	N	A	63.1	10.3	0.0	0.0	0.0	64.3	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	7.7
2171	17591718.55	4839536.55	2.40	1	E	A	66.1	10.3	0.0	0.0	0.0	64.3	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	10.7
2179	17591722.32	4839531.78	2.40	1	D	A	66.1	1.8	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	9.2	0.0	3.8	-7.1
2179	17591722.32	4839531.78	2.40	1	N	A	63.1	1.8	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	9.2	0.0	3.8	-10.1
2179	17591722.32	4839531.78	2.40	1	E	A	66.1	1.8	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	9.2	0.0	3.8	-7.1

Point Source, ISO 9613, Name: "Kitchen Exhaust Fan (CaptiveAire DU85HFA)", ID: "A_KEF05"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
774	17591790.35	4839730.09	9.20	0	D	A	81.3	0.0	0.0	0.0	0.0	59.2	0.9	-2.0	0.0	0.0	0.0	0.0	0.0	23.2
774	17591790.35	4839730.09	9.20	0	N	A	81.3	0.0	0.0	0.0	0.0	59.2	0.9	-2.0	0.0	0.0	0.0	0.0	0.0	23.2
774	17591790.35	4839730.09	9.20	0	E	A	81.3	0.0	0.0	0.0	0.0	59.2	0.9	-2.0	0.0	0.0	0.0	0.0	0.0	23.2

Point Source, ISO 9613, Name: "Kitchen Exhaust Fan (CaptiveAire DU85HFA)", ID: "A_KEF25"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
817	17591787.47	4839732.60	9.20	0	D	A	81.3	0.0	0.0	0.0	0.0	59.3	0.9	-1.9	0.0	0.0	0.0	0.0	0.0	23.1
817	17591787.47	4839732.60	9.20	0	N	A	81.3	0.0	0.0	0.0	0.0	59.3	0.9	-1.9	0.0	0.0	0.0	0.0	0.0	23.1
817	17591787.47	4839732.60	9.20	0	E	A	81.3	0.0	0.0	0.0	0.0	59.3	0.9	-1.9	0.0	0.0	0.0	0.0	0.0	23.1

Point Source, ISO 9613, Name: "Lennox LGH072", ID: "A_AC04"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
829	17591806.51	4839738.32	9.30	0	D	A	81.5	0.0	0.0	0.0	0.0	58.6	1.0	-2.0	0.0	0.0	0.0	0.0	0.0	23.9
829	17591806.51	4839738.32	9.30	0	N	A	81.5	0.0	-3.0	0.0	0.0	58.6	1.0	-2.0	0.0	0.0	0.0	0.0	0.0	20.9
829	17591806.51	4839738.32	9.30	0	E	A	81.5	0.0	0.0	0.0	0.0	58.6	1.0	-2.0	0.0	0.0	0.0	0.0	0.0	23.9

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU08A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahours	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB)						
854	17591927.84	4839548.58	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	58.9	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	16.8
854	17591927.84	4839548.58	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	58.9	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	13.8
854	17591927.84	4839548.58	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	58.9	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	16.8

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU08B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
897	17591932.51	4839544.76	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	59.0	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	16.7
897	17591932.51	4839544.76	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	59.0	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	13.7
897	17591932.51	4839544.76	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	59.0	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	16.7

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU08C"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
900	17591937.62	4839540.53	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	59.0	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	16.7
900	17591937.62	4839540.53	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	59.0	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	13.7
900	17591937.62	4839540.53	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	59.0	1.0	-2.5	0.0	0.0	7.2	0.0	0.0	16.7

Point Source, ISO 9613, Name: "Lennox LGH060", ID: "A_AC32"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
970	17591758.24	4839745.99	9.20	0	D	A	81.5	0.0	0.0	0.0	0.0	60.1	1.1	-2.0	0.0	0.0	6.8	0.0	0.0	15.5
970	17591758.24	4839745.99	9.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	60.1	1.1	-2.0	0.0	0.0	6.8	0.0	0.0	12.4
970	17591758.24	4839745.99	9.20	0	E	A	81.5	0.0	0.0	0.0	0.0	60.1	1.1	-2.0	0.0	0.0	6.8	0.0	0.0	15.5

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU03"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1044	17591840.86	4839509.17	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5
1044	17591840.86	4839509.17	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	18.5
1044	17591840.86	4839509.17	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU04"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1049	17591845.99	4839505.16	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5
1049	17591845.99	4839505.16	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	18.5
1049	17591845.99	4839505.16	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU05"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1057	17591851.54	4839500.95	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5
1057	17591851.54	4839500.95	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	18.5
1057	17591851.54	4839500.95	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1064	17591835.62	4839512.93	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5
1064	17591835.62	4839512.93	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	18.5
1064	17591835.62	4839512.93	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1071	17591828.81	4839517.89	6.30	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5
1071	17591828.81	4839517.89	6.30	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	18.5
1071	17591828.81	4839517.89	6.30	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.5

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU06"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1077	17591856.73	4839495.58	6.30	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.4
1077	17591856.73	4839495.58	6.30	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	18.4
1077	17591856.73	4839495.58	6.30	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	0.0	0.0	0.0	21.4

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU07A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1084	17591865.98	4839489.34	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	3.0	0.0	0.0	18.4

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU07A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1084	17591865.98	4839489.34	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	3.0	0.0	0.0	15.4
1084	17591865.98	4839489.34	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	3.0	0.0	0.0	18.4

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU07B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1091	17591870.49	4839485.00	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	7.4	0.0	0.0	14.0
1091	17591870.49	4839485.00	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	7.4	0.0	0.0	11.0
1091	17591870.49	4839485.00	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.4	1.3	-2.6	0.0	0.0	7.4	0.0	0.0	14.0

Point Source, ISO 9613, Name: "Retail B1 Rooftop Unit ", ID: "B1_RTU07C"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1099	17591875.62	4839481.26	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	61.5	1.3	-2.6	0.0	0.0	7.3	0.0	0.0	14.0
1099	17591875.62	4839481.26	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	61.5	1.3	-2.6	0.0	0.0	7.3	0.0	0.0	11.0
1099	17591875.62	4839481.26	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	61.5	1.3	-2.6	0.0	0.0	7.3	0.0	0.0	14.0

Point Source, ISO 9613, Name: "Retail B3 Rooftop Unit ", ID: "B3_RTU07"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1144	17591984.39	4839606.99	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	55.7	0.6	-2.0	0.0	0.0	0.0	0.0	0.0	20.5
1144	17591984.39	4839606.99	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	55.7	0.6	-2.0	0.0	0.0	0.0	0.0	0.0	17.4
1144	17591984.39	4839606.99	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	55.7	0.6	-2.0	0.0	0.0	0.0	0.0	0.0	20.5

Line Source, ISO 9613, Name: "Truck Movement", ID: "C2_TRKmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1153	17591872.82	4839456.40	2.40	0	D	A	63.1	10.8	0.0	0.0	0.0	62.0	1.8	-3.7	0.0	0.0	8.7	0.0	0.0	5.0
1153	17591872.82	4839456.40	2.40	0	N	A	-36.9	10.8	0.0	0.0	0.0	62.0	1.8	-3.7	0.0	0.0	8.7	0.0	0.0	-95.0
1153	17591872.82	4839456.40	2.40	0	E	A	63.1	10.8	0.0	0.0	0.0	62.0	1.8	-3.7	0.0	0.0	8.7	0.0	0.0	5.0
1160	17591859.84	4839466.42	2.40	0	D	A	63.1	13.1	0.0	0.0	0.0	62.0	1.8	-3.6	0.0	0.0	16.5	0.0	0.0	-0.4
1160	17591859.84	4839466.42	2.40	0	N	A	-36.9	13.1	0.0	0.0	0.0	62.0	1.8	-3.6	0.0	0.0	16.5	0.0	0.0	-100.4
1160	17591859.84	4839466.42	2.40	0	E	A	63.1	13.1	0.0	0.0	0.0	62.0	1.8	-3.6	0.0	0.0	16.5	0.0	0.0	-0.4
1165	17591839.21	4839482.36	2.40	0	D	A	63.1	15.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	15.6	0.0	0.0	2.4
1165	17591839.21	4839482.36	2.40	0	N	A	-36.9	15.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	15.6	0.0	0.0	-97.6
1165	17591839.21	4839482.36	2.40	0	E	A	63.1	15.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	15.6	0.0	0.0	2.4
1170	17591820.82	4839496.57	2.40	0	D	A	63.1	11.8	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	13.7	0.0	0.0	1.0
1170	17591820.82	4839496.57	2.40	0	N	A	-36.9	11.8	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	13.7	0.0	0.0	-99.0
1170	17591820.82	4839496.57	2.40	0	E	A	63.1	11.8	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	13.7	0.0	0.0	1.0
1188	17591872.33	4839456.77	2.40	2	D	A	63.1	11.3	0.0	0.0	0.0	64.7	2.3	-4.1	0.0	0.0	8.9	0.0	27.2	-24.6
1188	17591872.33	4839456.77	2.40	2	N	A	-36.9	11.3	0.0	0.0	0.0	64.7	2.3	-4.1	0.0	0.0	8.9	0.0	27.2	-124.6
1188	17591872.33	4839456.77	2.40	2	E	A	63.1	11.3	0.0	0.0	0.0	64.7	2.3	-4.1	0.0	0.0	8.9	0.0	27.2	-24.6
1195	17591860.06	4839466.25	2.40	1	D	A	63.1	12.0	0.0	0.0	0.0	62.8	1.9	-3.8	0.0	0.0	10.7	0.0	4.5	-1.0
1195	17591860.06	4839466.25	2.40	1	N	A	-36.9	12.0	0.0	0.0	0.0	62.8	1.9	-3.8	0.0	0.0	10.7	0.0	4.5	-101.0
1195	17591860.06	4839466.25	2.40	1	E	A	63.1	12.0	0.0	0.0	0.0	62.8	1.9	-3.8	0.0	0.0	10.7	0.0	4.5	-1.0
1202	17591842.98	4839479.45	2.40	1	D	A	63.1	14.4	0.0	0.0	0.0	62.7	1.9	-3.8	0.0	0.0	9.3	0.0	4.0	3.3
1202	17591842.98	4839479.45	2.40	1	N	A	-36.9	14.4	0.0	0.0	0.0	62.7	1.9	-3.8	0.0	0.0	9.3	0.0	4.0	-96.7
1202	17591842.98	4839479.45	2.40	1	E	A	63.1	14.4	0.0	0.0	0.0	62.7	1.9	-3.8	0.0	0.0	9.3	0.0	4.0	3.3
1210	17591860.40	4839465.99	2.40	2	D	A	63.1	11.2	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	9.5	0.0	8.8	-5.4
1210	17591860.40	4839465.99	2.40	2	N	A	-36.9	11.2	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	9.5	0.0	8.8	-105.4
1210	17591860.40	4839465.99	2.40	2	E	A	63.1	11.2	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	9.5	0.0	8.8	-5.4
1217	17591845.24	4839477.70	2.40	2	D	A	63.1	14.0	0.0	0.0	0.0	63.2	2.0	-3.9	0.0	0.0	8.8	0.0	8.2	-1.3
1217	17591845.24	4839477.70	2.40	2	N	A	-36.9	14.0	0.0	0.0	0.0	63.2	2.0	-3.9	0.0	0.0	8.8	0.0	8.2	-101.3
1217	17591845.24	4839477.70	2.40	2	E	A	63.1	14.0	0.0	0.0	0.0	63.2	2.0	-3.9	0.0	0.0	8.8	0.0	8.2	-1.3
1223	17591833.84	4839486.51	2.40	2	D	A	63.1	5.9	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-14.2
1223	17591833.84	4839486.51	2.40	2	N	A	-36.9	5.9	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-114.2
1223	17591833.84	4839486.51	2.40	2	E	A	63.1	5.9	0.0	0.0	0.0	63.3	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-14.2
1231	17591869.09	4839459.27	2.40	2	D	A	63.1	8.4	0.0	0.0	0.0	67.6	2.8	-4.4	0.0	0.0	9.2	0.0	95.7	-99.4
1231	17591869.09	4839459.27	2.40	2	N	A	-36.9	8.4	0.0	0.0	0.0	67.6	2.8	-4.4	0.0	0.0	9.2	0.0	95.7	-199.4
1231	17591869.09	4839459.27	2.40	2	E	A	63.1	8.4	0.0	0.0	0.0	67.6	2.8	-4.4	0.0	0.0	9.2	0.0	95.7	-99.4
1238	17591852.22	4839472.31	2.40	2	D	A	63.1	15.5	0.0	0.0	0.0	67.6	2.8	-4.5	0.0	0.0	14.0	0.0	06.7	-107.9
1238	17591852.22	4839472.31	2.40	2	N	A	-36.9	15.5	0.0	0.0	0.0	67.6	2.8	-4.5	0.0	0.0	14.0	0.0	06.7	-207.9
1238	17591852.22	4839472.31	2.40	2	E	A	63.1	15.5	0.0	0.0	0.0	67.6	2.8	-4.5	0.0	0.0	14.0	0.0	06.7	-107.9
1281	17591829.67	4839482.15	2.40	0	D	A	63.1	16.8	0.0	0.0	0.0	62.1	1.8	-3.7	0.0	0.0	12.9	0.0	0.0	6.7

Line Source, ISO 9613, Name: "Truck Movement", ID: "C2_TRKmov"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1281	17591829.67	4839482.15	2.40	0	N	A	-36.9	16.8	0.0	0.0	0.0	62.1	1.8	-3.7	0.0	0.0	12.9	0.0	0.0	-93.3
1281	17591829.67	4839482.15	2.40	0	E	A	63.1	16.8	0.0	0.0	0.0	62.1	1.8	-3.7	0.0	0.0	12.9	0.0	0.0	6.7
1287	17591856.77	4839461.37	2.40	0	D	A	63.1	13.2	0.0	0.0	0.0	62.1	1.9	-3.7	0.0	0.0	14.6	0.0	0.0	1.4
1287	17591856.77	4839461.37	2.40	0	N	A	-36.9	13.2	0.0	0.0	0.0	62.1	1.9	-3.7	0.0	0.0	14.6	0.0	0.0	-98.6
1287	17591856.77	4839461.37	2.40	0	E	A	63.1	13.2	0.0	0.0	0.0	62.1	1.9	-3.7	0.0	0.0	14.6	0.0	0.0	1.4
1294	17591869.51	4839451.60	2.40	0	D	A	63.1	10.5	0.0	0.0	0.0	62.2	1.9	-3.7	0.0	0.0	8.7	0.0	0.0	4.5
1294	17591869.51	4839451.60	2.40	0	N	A	-36.9	10.5	0.0	0.0	0.0	62.2	1.9	-3.7	0.0	0.0	8.7	0.0	0.0	-95.5
1294	17591869.51	4839451.60	2.40	0	E	A	63.1	10.5	0.0	0.0	0.0	62.2	1.9	-3.7	0.0	0.0	8.7	0.0	0.0	4.5
1303	17591839.16	4839474.88	2.40	1	D	A	63.1	14.3	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	9.7	0.0	4.1	2.9
1303	17591839.16	4839474.88	2.40	1	N	A	-36.9	14.3	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	9.7	0.0	4.1	-97.1
1303	17591839.16	4839474.88	2.40	1	E	A	63.1	14.3	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	9.7	0.0	4.1	2.9
1310	17591856.04	4839461.93	2.40	1	D	A	63.1	11.9	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	11.2	0.0	4.6	-1.6
1310	17591856.04	4839461.93	2.40	1	N	A	-36.9	11.9	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	11.2	0.0	4.6	-101.6
1310	17591856.04	4839461.93	2.40	1	E	A	63.1	11.9	0.0	0.0	0.0	62.6	1.9	-3.8	0.0	0.0	11.2	0.0	4.6	-1.6
1318	17591841.85	4839472.82	2.40	2	D	A	63.1	14.0	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-6.1
1318	17591841.85	4839472.82	2.40	2	N	A	-36.9	14.0	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-106.1
1318	17591841.85	4839472.82	2.40	2	E	A	63.1	14.0	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	8.8	0.0	13.0	-6.1
1325	17591857.26	4839460.99	2.40	2	D	A	63.1	11.3	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	9.3	0.0	14.0	-10.5
1325	17591857.26	4839460.99	2.40	2	N	A	-36.9	11.3	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	9.3	0.0	14.0	-110.5
1325	17591857.26	4839460.99	2.40	2	E	A	63.1	11.3	0.0	0.0	0.0	63.4	2.0	-3.9	0.0	0.0	9.3	0.0	14.0	-10.5
1333	17591830.26	4839481.71	2.40	2	D	A	63.1	5.9	0.0	0.0	0.0	63.4	2.0	-4.0	0.0	0.0	8.8	0.0	13.0	-14.2
1333	17591830.26	4839481.71	2.40	2	N	A	-36.9	5.9	0.0	0.0	0.0	63.4	2.0	-4.0	0.0	0.0	8.8	0.0	13.0	-114.2
1333	17591830.26	4839481.71	2.40	2	E	A	63.1	5.9	0.0	0.0	0.0	63.4	2.0	-4.0	0.0	0.0	8.8	0.0	13.0	-14.2
1429	17591775.25	4839531.80	2.40	0	D	A	63.1	17.5	0.0	0.0	0.0	62.1	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	20.8
1429	17591775.25	4839531.80	2.40	0	N	A	-36.9	17.5	0.0	0.0	0.0	62.1	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	-79.2
1429	17591775.25	4839531.80	2.40	0	E	A	63.1	17.5	0.0	0.0	0.0	62.1	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	20.8
1437	17591777.79	4839529.23	2.40	1	D	A	63.1	16.9	0.0	0.0	0.0	62.6	1.9	-3.7	0.0	0.0	8.5	0.0	22.1	-11.4
1437	17591777.79	4839529.23	2.40	1	N	A	-36.9	16.9	0.0	0.0	0.0	62.6	1.9	-3.7	0.0	0.0	8.5	0.0	22.1	-111.4
1437	17591777.79	4839529.23	2.40	1	E	A	63.1	16.9	0.0	0.0	0.0	62.6	1.9	-3.7	0.0	0.0	8.5	0.0	22.1	-11.4
1445	17591757.77	4839549.50	2.40	2	D	A	63.1	8.4	0.0	0.0	0.0	63.6	2.1	-3.8	0.0	0.0	8.6	0.0	25.4	-24.4
1445	17591757.77	4839549.50	2.40	2	N	A	-36.9	8.4	0.0	0.0	0.0	63.6	2.1	-3.8	0.0	0.0	8.6	0.0	25.4	-124.4
1445	17591757.77	4839549.50	2.40	2	E	A	63.1	8.4	0.0	0.0	0.0	63.6	2.1	-3.8	0.0	0.0	8.6	0.0	25.4	-24.4
1453	17591769.17	4839537.96	2.40	2	D	A	63.1	14.1	0.0	0.0	0.0	63.4	2.0	-3.8	0.0	0.0	8.6	0.0	25.2	-18.3
1453	17591769.17	4839537.96	2.40	2	N	A	-36.9	14.1	0.0	0.0	0.0	63.4	2.0	-3.8	0.0	0.0	8.6	0.0	25.2	-118.3
1453	17591769.17	4839537.96	2.40	2	E	A	63.1	14.1	0.0	0.0	0.0	63.4	2.0	-3.8	0.0	0.0	8.6	0.0	25.2	-18.3
1461	17591763.77	4839543.43	2.40	1	D	A	63.1	13.8	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	10.2
1461	17591763.77	4839543.43	2.40	1	N	A	-36.9	13.8	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-89.8
1461	17591763.77	4839543.43	2.40	1	E	A	63.1	13.8	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	10.2
1469	17591776.51	4839530.53	2.40	1	D	A	63.1	10.9	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	3.7	9.7
1469	17591776.51	4839530.53	2.40	1	N	A	-36.9	10.9	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	3.7	-90.3
1469	17591776.51	4839530.53	2.40	1	E	A	63.1	10.9	0.0	0.0	0.0	62.9	2.0	-4.2	0.0	0.0	0.0	0.0	3.7	9.7
1476	17591771.41	4839535.69	2.40	1	D	A	63.1	7.3	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	13.9	0.0	35.0	-42.2
1476	17591771.41	4839535.69	2.40	1	N	A	-36.9	7.3	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	13.9	0.0	35.0	-142.2
1476	17591771.41	4839535.69	2.40	1	E	A	63.1	7.3	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	13.9	0.0	35.0	-42.2
1483	17591788.56	4839518.33	2.40	2	D	A	63.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.5	0.0	0.0	9.4	0.0	29.1	-36.2
1483	17591788.56	4839518.33	2.40	2	N	A	-36.9	2.9	0.0	0.0	0.0	65.8	2.4	-4.5	0.0	0.0	9.4	0.0	29.1	-136.2
1483	17591788.56	4839518.33	2.40	2	E	A	63.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.5	0.0	0.0	9.4	0.0	29.1	-36.2
1491	17591789.94	4839516.93	2.40	2	D	A	63.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-26.4
1491	17591789.94	4839516.93	2.40	2	N	A	-36.9	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-126.4
1491	17591789.94	4839516.93	2.40	2	E	A	63.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-26.4
1499	17591791.05	4839515.80	2.40	2	D	A	63.1	0.7	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-28.7
1499	17591791.05	4839515.80	2.40	2	N	A	-36.9	0.7	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-128.7
1499	17591791.05	4839515.80	2.40	2	E	A	63.1	0.7	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-28.7
1507	17591789.16	4839517.71	2.40	2	D	A	63.1	4.1	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-25.2
1507	17591789.16	4839517.71	2.40	2	N	A	-36.9	4.1	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-125.2
1507	17591789.16	4839517.71	2.40	2	E	A	63.1	4.1	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	28.9	-25.2
1515	17591790.96	4839515.90	2.40	2	D	A	63.1	4.0	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.0	-34.8
1515	17591790.96	4839515.90	2.40	2	N	A	-36.9	4.0	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.0	-134.8
1515	17591790.96	4839515.90	2.40	2	E	A	63.1	4.0	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.0	-34.8
1523	17591764.72	4839542.46	2.40	1	D	A	63.1	14.3	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	12.2	0.0	8.6	-5.9
1523	17591764.72	4839542.46	2.40	1	N	A	-36.9	14.3	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	12.2	0.0	8.6	-105.9
1523	17591764.72	4839542.46	2.40	1	E	A	63.1	14.3	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	12.2	0.0	8.6	-5.9
1659	17591778.97	4839535.21	2.40	0	D	A	63.1	16.7	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	20.0

Line Source, ISO 9613, Name: "Truck Movement", ID: "C2_TRKmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1659	17591778.97	4839535.21	2.40	0	N	A	-36.9	16.7	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	-80.0
1659	17591778.97	4839535.21	2.40	0	E	A	63.1	16.7	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	20.0
1667	17591780.16	4839534.10	2.40	1	D	A	63.1	16.3	0.0	0.0	0.0	62.5	1.9	-3.6	0.0	0.0	8.4	0.0	21.9	-11.7
1667	17591780.16	4839534.10	2.40	1	N	A	-36.9	16.3	0.0	0.0	0.0	62.5	1.9	-3.6	0.0	0.0	8.4	0.0	21.9	-111.7
1667	17591780.16	4839534.10	2.40	1	E	A	63.1	16.3	0.0	0.0	0.0	62.5	1.9	-3.6	0.0	0.0	8.4	0.0	21.9	-11.7
1675	17591770.94	4839542.77	2.40	2	D	A	63.1	13.9	0.0	0.0	0.0	63.5	2.1	-3.8	0.0	0.0	8.6	0.0	25.3	-18.8
1675	17591770.94	4839542.77	2.40	2	N	A	-36.9	13.9	0.0	0.0	0.0	63.5	2.1	-3.8	0.0	0.0	8.6	0.0	25.3	-118.8
1675	17591770.94	4839542.77	2.40	2	E	A	63.1	13.9	0.0	0.0	0.0	63.5	2.1	-3.8	0.0	0.0	8.6	0.0	25.3	-18.8
1683	17591778.96	4839535.23	2.40	1	D	A	63.1	10.9	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	7.3
1683	17591778.96	4839535.23	2.40	1	N	A	-36.9	10.9	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-92.7
1683	17591778.96	4839535.23	2.40	1	E	A	63.1	10.9	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	7.3
1690	17591768.30	4839545.26	2.40	1	D	A	63.1	12.3	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	8.6
1690	17591768.30	4839545.26	2.40	1	N	A	-36.9	12.3	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-91.4
1690	17591768.30	4839545.26	2.40	1	E	A	63.1	12.3	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	8.6
1698	17591773.79	4839540.09	2.40	1	D	A	63.1	7.3	0.0	0.0	0.0	65.9	2.5	-4.6	0.0	0.0	12.8	0.0	34.4	-40.6
1698	17591773.79	4839540.09	2.40	1	N	A	-36.9	7.3	0.0	0.0	0.0	65.9	2.5	-4.6	0.0	0.0	12.8	0.0	34.4	-140.6
1698	17591773.79	4839540.09	2.40	1	E	A	63.1	7.3	0.0	0.0	0.0	65.9	2.5	-4.6	0.0	0.0	12.8	0.0	34.4	-40.6
1706	17591795.31	4839519.84	2.40	2	D	A	63.1	0.8	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-28.9
1706	17591795.31	4839519.84	2.40	2	N	A	-36.9	0.8	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-128.9
1706	17591795.31	4839519.84	2.40	2	E	A	63.1	0.8	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-28.9
1715	17591794.15	4839520.94	2.40	2	D	A	63.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.0	-26.6
1715	17591794.15	4839520.94	2.40	2	N	A	-36.9	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.0	-126.6
1715	17591794.15	4839520.94	2.40	2	E	A	63.1	3.0	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.0	-26.6
1723	17591792.70	4839522.30	2.40	2	D	A	63.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	9.3	0.0	29.2	-36.3
1723	17591792.70	4839522.30	2.40	2	N	A	-36.9	2.9	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	9.3	0.0	29.2	-136.3
1723	17591792.70	4839522.30	2.40	2	E	A	63.1	2.9	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	9.3	0.0	29.2	-36.3
1731	17591794.98	4839520.15	2.40	2	D	A	63.1	3.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.1	-35.4
1731	17591794.98	4839520.15	2.40	2	N	A	-36.9	3.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.1	-135.4
1731	17591794.98	4839520.15	2.40	2	E	A	63.1	3.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.4	0.0	29.1	-35.4
1739	17591793.17	4839521.86	2.40	2	D	A	63.1	4.2	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-25.4
1739	17591793.17	4839521.86	2.40	2	N	A	-36.9	4.2	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-125.4
1739	17591793.17	4839521.86	2.40	2	E	A	63.1	4.2	0.0	0.0	0.0	65.8	2.4	-4.6	0.0	0.0	0.0	0.0	29.1	-25.4
1747	17591769.35	4839544.27	2.40	1	D	A	63.1	13.0	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	11.3	0.0	8.0	-5.8
1747	17591769.35	4839544.27	2.40	1	N	A	-36.9	13.0	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	11.3	0.0	8.0	-105.8
1747	17591769.35	4839544.27	2.40	1	E	A	63.1	13.0	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	11.3	0.0	8.0	-5.8
2187	17591812.61	4839503.33	2.40	0	D	A	63.1	8.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	9.8	0.0	0.0	1.3
2187	17591812.61	4839503.33	2.40	0	N	A	-36.9	8.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	9.8	0.0	0.0	-98.7
2187	17591812.61	4839503.33	2.40	0	E	A	63.1	8.0	0.0	0.0	0.0	61.9	1.8	-3.7	0.0	0.0	9.8	0.0	0.0	1.3
2195	17591803.09	4839512.43	2.40	0	D	A	63.1	13.0	0.0	0.0	0.0	61.9	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	16.1
2195	17591803.09	4839512.43	2.40	0	N	A	-36.9	13.0	0.0	0.0	0.0	61.9	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	-83.9
2195	17591803.09	4839512.43	2.40	0	E	A	63.1	13.0	0.0	0.0	0.0	61.9	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	16.1
2203	17591796.55	4839518.68	2.40	1	D	A	63.1	2.9	0.0	0.0	0.0	62.4	1.9	-3.6	0.0	0.0	8.4	0.0	21.7	-24.9
2203	17591796.55	4839518.68	2.40	1	N	A	-36.9	2.9	0.0	0.0	0.0	62.4	1.9	-3.6	0.0	0.0	8.4	0.0	21.7	-124.9
2203	17591796.55	4839518.68	2.40	1	E	A	63.1	2.9	0.0	0.0	0.0	62.4	1.9	-3.6	0.0	0.0	8.4	0.0	21.7	-24.9
2211	17591795.91	4839519.28	2.40	2	D	A	63.1	-7.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.5	0.0	29.1	-46.8
2211	17591795.91	4839519.28	2.40	2	N	A	-36.9	-7.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.5	0.0	29.1	-146.8
2211	17591795.91	4839519.28	2.40	2	E	A	63.1	-7.7	0.0	0.0	0.0	65.8	2.4	-4.7	0.0	0.0	9.5	0.0	29.1	-46.8
2219	17591712.24	4839545.48	2.40	0	D	A	63.1	14.8	0.0	0.0	0.0	63.0	2.0	-4.1	0.0	0.0	0.0	0.0	0.0	17.0
2219	17591712.24	4839545.48	2.40	0	N	A	-36.9	14.8	0.0	0.0	0.0	63.0	2.0	-4.1	0.0	0.0	0.0	0.0	0.0	-83.0
2219	17591712.24	4839545.48	2.40	0	E	A	63.1	14.8	0.0	0.0	0.0	63.0	2.0	-4.1	0.0	0.0	0.0	0.0	0.0	17.0
2227	17591721.71	4839555.64	2.40	1	D	A	63.1	3.3	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	0.4
2227	17591721.71	4839555.64	2.40	1	N	A	-36.9	3.3	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	-99.6
2227	17591721.71	4839555.64	2.40	1	E	A	63.1	3.3	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	0.4
2352	17591800.74	4839506.29	2.40	0	D	A	63.1	11.9	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	14.8
2352	17591800.74	4839506.29	2.40	0	N	A	-36.9	11.9	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	-85.2
2352	17591800.74	4839506.29	2.40	0	E	A	63.1	11.9	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	0.0	0.0	0.0	14.8
2360	17591808.60	4839498.76	2.40	0	D	A	63.1	8.0	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	8.6	0.0	0.0	2.4
2360	17591808.60	4839498.76	2.40	0	N	A	-36.9	8.0	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	8.6	0.0	0.0	-97.6
2360	17591808.60	4839498.76	2.40	0	E	A	63.1	8.0	0.0	0.0	0.0	62.1	1.8	-3.8	0.0	0.0	8.6	0.0	0.0	2.4
2496	17591732.51	4839559.47	2.40	0	D	A	63.1	13.2	0.0	0.0	0.0	62.5	1.9	-4.0	0.0	0.0	0.0	0.0	0.0	16.0
2496	17591732.51	4839559.47	2.40	0	N	A	-36.9	13.2	0.0	0.0	0.0	62.5	1.9	-4.0	0.0	0.0	0.0	0.0	0.0	-84.0
2496	17591732.51	4839559.47	2.40	0	E	A	63.1	13.2	0.0	0.0	0.0	62.5	1.9	-4.0	0.0	0.0	0.0	0.0	0.0	16.0
2504	17591741.81	4839562.28	2.40	1	D	A	63.1	2.0	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-13.2

Line Source, ISO 9613, Name: "Truck Movement", ID: "C2_TRKmov"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2504	17591741.81	4839562.28	2.40	1	N	A	-36.9	2.0	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-113.2
2504	17591741.81	4839562.28	2.40	1	E	A	63.1	2.0	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-13.2
2512	17591737.34	4839560.93	2.40	1	D	A	63.1	8.9	0.0	0.0	0.0	64.8	2.3	-4.6	0.0	0.0	9.3	0.0	6.3	-6.2
2512	17591737.34	4839560.93	2.40	1	N	A	-36.9	8.9	0.0	0.0	0.0	64.8	2.3	-4.6	0.0	0.0	9.3	0.0	6.3	-106.2
2512	17591737.34	4839560.93	2.40	1	E	A	63.1	8.9	0.0	0.0	0.0	64.8	2.3	-4.6	0.0	0.0	9.3	0.0	6.3	-6.2
2520	17591728.04	4839558.12	2.40	1	D	A	63.1	10.7	0.0	0.0	0.0	64.7	2.2	-4.5	0.0	0.0	0.0	0.0	6.3	5.1
2520	17591728.04	4839558.12	2.40	1	N	A	-36.9	10.7	0.0	0.0	0.0	64.7	2.2	-4.5	0.0	0.0	0.0	0.0	6.3	-94.9
2520	17591728.04	4839558.12	2.40	1	E	A	63.1	10.7	0.0	0.0	0.0	64.7	2.2	-4.5	0.0	0.0	0.0	0.0	6.3	5.1
2552	17591701.55	4839527.04	2.40	0	D	A	63.1	13.6	0.0	0.0	0.0	63.4	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	15.5
2552	17591701.55	4839527.04	2.40	0	N	A	-36.9	13.6	0.0	0.0	0.0	63.4	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	-84.5
2552	17591701.55	4839527.04	2.40	0	E	A	63.1	13.6	0.0	0.0	0.0	63.4	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	15.5
2560	17591701.62	4839527.08	2.40	1	D	A	63.1	7.4	0.0	0.0	0.0	64.1	2.1	-4.4	0.0	0.0	9.6	0.0	6.5	-7.3
2560	17591701.62	4839527.08	2.40	1	N	A	-36.9	7.4	0.0	0.0	0.0	64.1	2.1	-4.4	0.0	0.0	9.6	0.0	6.5	-107.3
2560	17591701.62	4839527.08	2.40	1	E	A	63.1	7.4	0.0	0.0	0.0	64.1	2.1	-4.4	0.0	0.0	9.6	0.0	6.5	-7.3
2576	17591747.89	4839554.08	2.40	0	D	A	63.1	11.9	0.0	0.0	0.0	62.3	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	15.0
2576	17591747.89	4839554.08	2.40	0	N	A	-36.9	11.9	0.0	0.0	0.0	62.3	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	-85.0
2576	17591747.89	4839554.08	2.40	0	E	A	63.1	11.9	0.0	0.0	0.0	62.3	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	15.0
2583	17591752.85	4839552.67	2.40	2	D	A	63.1	7.1	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-25.8
2583	17591752.85	4839552.67	2.40	2	N	A	-36.9	7.1	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-125.8
2583	17591752.85	4839552.67	2.40	2	E	A	63.1	7.1	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-25.8
2591	17591754.86	4839552.11	2.40	1	D	A	63.1	-0.1	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-3.9
2591	17591754.86	4839552.11	2.40	1	N	A	-36.9	-0.1	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-103.9
2591	17591754.86	4839552.11	2.40	1	E	A	63.1	-0.1	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-3.9
2599	17591747.89	4839554.08	2.40	1	D	A	63.1	11.9	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-3.3
2599	17591747.89	4839554.08	2.40	1	N	A	-36.9	11.9	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-103.3
2599	17591747.89	4839554.08	2.40	1	E	A	63.1	11.9	0.0	0.0	0.0	64.8	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-3.3
2607	17591721.34	4839523.99	2.40	0	D	A	63.1	0.8	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	3.1
2607	17591721.34	4839523.99	2.40	0	N	A	-36.9	0.8	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	-96.9
2607	17591721.34	4839523.99	2.40	0	E	A	63.1	0.8	0.0	0.0	0.0	63.1	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	3.1
2615	17591723.20	4839532.90	2.40	0	D	A	63.1	12.3	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	14.7
2615	17591723.20	4839532.90	2.40	0	N	A	-36.9	12.3	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	-85.3
2615	17591723.20	4839532.90	2.40	0	E	A	63.1	12.3	0.0	0.0	0.0	63.0	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	14.7
2623	17591721.68	4839525.63	2.40	1	D	A	63.1	6.6	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	11.0	-11.9
2623	17591721.68	4839525.63	2.40	1	N	A	-36.9	6.6	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	11.0	-111.9
2623	17591721.68	4839525.63	2.40	1	E	A	63.1	6.6	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	11.0	-11.9
2631	17591722.74	4839530.70	2.40	1	D	A	63.1	11.7	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-0.1
2631	17591722.74	4839530.70	2.40	1	N	A	-36.9	11.7	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-100.1
2631	17591722.74	4839530.70	2.40	1	E	A	63.1	11.7	0.0	0.0	0.0	64.2	2.2	-4.5	0.0	0.0	9.3	0.0	3.8	-0.1
2639	17591724.61	4839539.62	2.40	1	D	A	63.1	5.2	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	2.5
2639	17591724.61	4839539.62	2.40	1	N	A	-36.9	5.2	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	-97.5
2639	17591724.61	4839539.62	2.40	1	E	A	63.1	5.2	0.0	0.0	0.0	64.4	2.2	-4.5	0.0	0.0	0.0	0.0	3.7	2.5
2647	17591757.65	4839555.88	2.40	0	D	A	63.1	11.2	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	14.5
2647	17591757.65	4839555.88	2.40	0	N	A	-36.9	11.2	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	-85.5
2647	17591757.65	4839555.88	2.40	0	E	A	63.1	11.2	0.0	0.0	0.0	62.0	1.8	-4.1	0.0	0.0	0.0	0.0	0.0	14.5
2655	17591761.74	4839551.48	2.40	2	D	A	63.1	0.3	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-32.6
2655	17591761.74	4839551.48	2.40	2	N	A	-36.9	0.3	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-132.6
2655	17591761.74	4839551.48	2.40	2	E	A	63.1	0.3	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.5	-32.6
2663	17591757.28	4839556.28	2.40	2	D	A	63.1	10.8	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.6	-22.3
2663	17591757.28	4839556.28	2.40	2	N	A	-36.9	10.8	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.6	-122.3
2663	17591757.28	4839556.28	2.40	2	E	A	63.1	10.8	0.0	0.0	0.0	63.7	2.1	-3.8	0.0	0.0	8.6	0.0	25.6	-22.3
2671	17591759.29	4839554.11	2.40	1	D	A	63.1	9.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	5.3
2671	17591759.29	4839554.11	2.40	1	N	A	-36.9	9.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	-94.7
2671	17591759.29	4839554.11	2.40	1	E	A	63.1	9.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	6.0	5.3
2679	17591757.65	4839555.88	2.40	1	D	A	63.1	11.2	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	11.0	0.0	7.7	-7.0
2679	17591757.65	4839555.88	2.40	1	N	A	-36.9	11.2	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	11.0	0.0	7.7	-107.0
2679	17591757.65	4839555.88	2.40	1	E	A	63.1	11.2	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	11.0	0.0	7.7	-7.0
2687	17591696.81	4839528.06	2.40	0	D	A	63.1	12.2	0.0	0.0	0.0	63.5	2.1	-4.3	0.0	0.0	0.0	0.0	0.0	14.0
2687	17591696.81	4839528.06	2.40	0	N	A	-36.9	12.2	0.0	0.0	0.0	63.5	2.1	-4.3	0.0	0.0	0.0	0.0	0.0	-86.0
2687	17591696.81	4839528.06	2.40	0	E	A	63.1	12.2	0.0	0.0	0.0	63.5	2.1	-4.3	0.0	0.0	0.0	0.0	0.0	14.0
2695	17591698.96	4839530.73	2.40	1	D	A	63.1	7.6	0.0	0.0	0.0	64.1	2.2	-4.5	0.0	0.0	9.4	0.0	6.4	-7.1
2695	17591698.96	4839530.73	2.40	1	N	A	-36.9	7.6	0.0	0.0	0.0	64.1	2.2	-4.5	0.0	0.0	9.4	0.0	6.4	-107.1
2695	17591698.96	4839530.73	2.40	1	E	A	63.1	7.6	0.0	0.0	0.0	64.1	2.2	-4.5	0.0	0.0	9.4	0.0	6.4	-7.1
2735	17591734.86	4839552.99	2.40	0	D	A	63.1	11.1	0.0	0.0	0.0	62.5	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	13.9

Line Source, ISO 9613, Name: "Truck Movement", ID: "C2_TRKmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2735	17591734.86	4839552.99	2.40	0	N	A	-36.9	11.1	0.0	0.0	0.0	62.5	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	-86.1
2735	17591734.86	4839552.99	2.40	0	E	A	63.1	11.1	0.0	0.0	0.0	62.5	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	13.9
2743	17591733.52	4839552.22	2.40	1	D	A	63.1	9.9	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	9.3	0.0	6.3	-5.0
2743	17591733.52	4839552.22	2.40	1	N	A	-36.9	9.9	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	9.3	0.0	6.3	-105.0
2743	17591733.52	4839552.22	2.40	1	E	A	63.1	9.9	0.0	0.0	0.0	64.6	2.2	-4.5	0.0	0.0	9.3	0.0	6.3	-5.0
2751	17591739.10	4839555.41	2.40	1	D	A	63.1	4.9	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-10.2
2751	17591739.10	4839555.41	2.40	1	N	A	-36.9	4.9	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-110.2
2751	17591739.10	4839555.41	2.40	1	E	A	63.1	4.9	0.0	0.0	0.0	64.7	2.3	-4.5	0.0	0.0	9.4	0.0	6.4	-10.2
2759	17591747.88	4839561.60	2.40	0	D	A	63.1	10.3	0.0	0.0	0.0	62.2	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	13.4
2759	17591747.88	4839561.60	2.40	0	N	A	-36.9	10.3	0.0	0.0	0.0	62.2	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	-86.6
2759	17591747.88	4839561.60	2.40	0	E	A	63.1	10.3	0.0	0.0	0.0	62.2	1.9	-4.1	0.0	0.0	0.0	0.0	0.0	13.4
2767	17591752.59	4839560.79	2.40	2	D	A	63.1	0.9	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	25.7	-32.4
2767	17591752.59	4839560.79	2.40	2	N	A	-36.9	0.9	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	25.7	-132.4
2767	17591752.59	4839560.79	2.40	2	E	A	63.1	0.9	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	25.7	-32.4
2774	17591747.88	4839561.60	2.40	1	D	A	63.1	10.3	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-4.9
2774	17591747.88	4839561.60	2.40	1	N	A	-36.9	10.3	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-104.9
2774	17591747.88	4839561.60	2.40	1	E	A	63.1	10.3	0.0	0.0	0.0	64.9	2.3	-4.6	0.0	0.0	9.4	0.0	6.4	-4.9
2798	17591716.37	4839527.94	2.40	0	D	A	63.1	11.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	13.4
2798	17591716.37	4839527.94	2.40	0	N	A	-36.9	11.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	-86.6
2798	17591716.37	4839527.94	2.40	0	E	A	63.1	11.2	0.0	0.0	0.0	63.2	2.0	-4.3	0.0	0.0	0.0	0.0	0.0	13.4
2806	17591719.81	4839524.71	2.40	1	D	A	63.1	5.8	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	11.0	-12.7
2806	17591719.81	4839524.71	2.40	1	N	A	-36.9	5.8	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	11.0	-112.7
2806	17591719.81	4839524.71	2.40	1	E	A	63.1	5.8	0.0	0.0	0.0	63.8	2.1	-3.8	0.0	0.0	8.6	0.0	11.0	-12.7
2814	17591715.36	4839528.88	2.40	1	D	A	63.1	9.9	0.0	0.0	0.0	64.1	2.2	-4.5	0.0	0.0	0.0	0.0	2.5	8.7
2814	17591715.36	4839528.88	2.40	1	N	A	-36.9	9.9	0.0	0.0	0.0	64.1	2.2	-4.5	0.0	0.0	0.0	0.0	2.5	-91.3
2814	17591715.36	4839528.88	2.40	1	E	A	63.1	9.9	0.0	0.0	0.0	64.1	2.2	-4.5	0.0	0.0	0.0	0.0	2.5	8.7
2822	17591720.07	4839524.47	2.40	1	D	A	63.1	5.0	0.0	0.0	0.0	64.1	2.1	-4.4	0.0	0.0	9.2	0.0	2.5	-5.5
2822	17591720.07	4839524.47	2.40	1	N	A	-36.9	5.0	0.0	0.0	0.0	64.1	2.1	-4.4	0.0	0.0	9.2	0.0	2.5	-105.5
2822	17591720.07	4839524.47	2.40	1	E	A	63.1	5.0	0.0	0.0	0.0	64.1	2.1	-4.4	0.0	0.0	9.2	0.0	2.5	-5.5
2933	17591727.12	4839545.52	2.40	0	D	A	63.1	9.8	0.0	0.0	0.0	62.8	1.9	-4.2	0.0	0.0	0.0	0.0	0.0	12.4
2933	17591727.12	4839545.52	2.40	0	N	A	-36.9	9.8	0.0	0.0	0.0	62.8	1.9	-4.2	0.0	0.0	0.0	0.0	0.0	-87.6
2933	17591727.12	4839545.52	2.40	0	E	A	63.1	9.8	0.0	0.0	0.0	62.8	1.9	-4.2	0.0	0.0	0.0	0.0	0.0	12.4
2942	17591727.12	4839545.52	2.40	1	D	A	63.1	9.8	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	7.0
2942	17591727.12	4839545.52	2.40	1	N	A	-36.9	9.8	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	-93.0
2942	17591727.12	4839545.52	2.40	1	E	A	63.1	9.8	0.0	0.0	0.0	64.5	2.2	-4.5	0.0	0.0	0.0	0.0	3.8	7.0

Point Source, ISO 9613, Name: "Retail C4 Rooftop Unit ", ID: "C4_RTU02A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1246	17591823.61	4839459.08	6.30	0	D	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-3.0	0.0	0.0	0.0	0.0	0.0	20.4
1246	17591823.61	4839459.08	6.30	0	N	A	81.5	0.0	-3.0	0.0	0.0	62.6	1.4	-3.0	0.0	0.0	0.0	0.0	0.0	17.4
1246	17591823.61	4839459.08	6.30	0	E	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-3.0	0.0	0.0	0.0	0.0	0.0	20.4

Point Source, ISO 9613, Name: "Retail C4 Rooftop Unit ", ID: "C4_RTU02B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1253	17591830.51	4839453.58	6.30	0	D	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	0.0	0.0	0.0	20.4
1253	17591830.51	4839453.58	6.30	0	N	A	81.5	0.0	-3.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	0.0	0.0	0.0	17.4
1253	17591830.51	4839453.58	6.30	0	E	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	0.0	0.0	0.0	20.4

Point Source, ISO 9613, Name: "Retail C4 Rooftop Unit ", ID: "C4_RTU03A"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1260	17591838.46	4839447.33	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	3.1	0.0	0.0	17.3
1260	17591838.46	4839447.33	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	3.1	0.0	0.0	14.3
1260	17591838.46	4839447.33	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	3.1	0.0	0.0	17.3

Point Source, ISO 9613, Name: "Retail C4 Rooftop Unit ", ID: "C4_RTU03B"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1267	17591845.10	4839443.11	6.20	0	D	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	7.7	0.0	0.0	12.7
1267	17591845.10	4839443.11	6.20	0	N	A	81.5	0.0	-3.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	7.7	0.0	0.0	9.7
1267	17591845.10	4839443.11	6.20	0	E	A	81.5	0.0	0.0	0.0	0.0	62.6	1.4	-2.9	0.0	0.0	7.7	0.0	0.0	12.7



Point Source, ISO 9613, Name: "Exhaust Fan (Cook 120 ACE)", ID: "A_EF20"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1755	17591816.88	4839720.96	8.50	0	N	A	73.8	0.0	0.0	0.0	0.0	58.3	0.7	-1.9	0.0	0.0	0.0	0.0	0.0	16.7
1755	17591816.88	4839720.96	8.50	0	E	A	73.8	0.0	0.0	0.0	0.0	58.3	0.7	-1.9	0.0	0.0	0.0	0.0	0.0	16.7

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU02"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1796	17591899.29	4839570.97	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	17.7
1796	17591899.29	4839570.97	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	14.7
1796	17591899.29	4839570.97	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	17.7

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU01"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1804	17591894.48	4839574.07	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	17.7
1804	17591894.48	4839574.07	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	14.7
1804	17591894.48	4839574.07	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	17.7

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU03"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1812	17591903.79	4839567.24	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	17.7
1812	17591903.79	4839567.24	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	14.7
1812	17591903.79	4839567.24	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.5	0.0	0.0	0.0	0.0	0.0	17.7

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU04"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1818	17591908.03	4839563.31	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	0.0	0.0	0.0	17.6
1818	17591908.03	4839563.31	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	0.0	0.0	0.0	14.6
1818	17591908.03	4839563.31	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	0.0	0.0	0.0	17.6

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU06"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1826	17591917.39	4839556.98	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	10.4
1826	17591917.39	4839556.98	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	7.4
1826	17591917.39	4839556.98	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	10.4

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU05"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1834	17591912.20	4839560.09	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	10.4
1834	17591912.20	4839560.09	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	7.4
1834	17591912.20	4839560.09	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.8	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	10.4

Point Source, ISO 9613, Name: "Retail B2 Rooftop Unit ", ID: "B2_RTU07"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1842	17591922.02	4839553.50	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	58.9	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	10.4
1842	17591922.02	4839553.50	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	58.9	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	7.4
1842	17591922.02	4839553.50	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	58.9	0.8	-2.4	0.0	0.0	7.2	0.0	0.0	10.4

Line Source, ISO 9613, Name: "Refer Movement", ID: "C1_TRUmov"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1898	17591872.82	4839456.40	3.50	0	DEN	A	57.6	10.8	0.0	0.0	0.0	62.0	1.5	-3.4	0.0	0.0	8.2	0.0	0.0	0.1
1906	17591859.84	4839466.42	3.50	0	DEN	A	57.6	13.1	0.0	0.0	0.0	62.0	1.5	-3.4	0.0	0.0	12.1	0.0	0.0	-1.5
1914	17591839.21	4839482.36	3.50	0	DEN	A	57.6	15.0	0.0	0.0	0.0	61.9	1.5	-3.5	0.0	0.0	11.2	0.0	0.0	1.4
1922	17591820.82	4839496.57	3.50	0	DEN	A	57.6	11.8	0.0	0.0	0.0	61.9	1.5	-3.5	0.0	0.0	10.3	0.0	0.0	-0.9
1931	17591872.33	4839456.77	3.50	2	DEN	A	57.6	11.3	0.0	0.0	0.0	64.7	1.8	-4.0	0.0	0.0	8.7	0.0	29.7	-32.2
1939	17591860.06	4839466.25	3.50	1	DEN	A	57.6	12.0	0.0	0.0	0.0	62.8	1.6	-3.6	0.0	0.0	8.8	0.0	4.3	-4.3
1947	17591842.98	4839479.45	3.50	1	DEN	A	57.6	14.4	0.0	0.0	0.0	62.7	1.6	-3.6	0.0	0.0	8.4	0.0	4.1	-1.3
1955	17591860.40	4839465.99	3.50	2	DEN	A	57.6	11.2	0.0	0.0	0.0	63.3	1.6	-3.7	0.0	0.0	8.6	0.0	8.7	-9.6
1963	17591845.24	4839477.70	3.50	2	DEN	A	57.6	14.0	0.0	0.0	0.0	63.2	1.6	-3.7	0.0	0.0	8.5	0.0	8.6	-6.7

Line Source, ISO 9613, Name: "Refer Movement", ID: "C1_TRUmov"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1971	17591833.84	4839486.51	3.50	2	DEN	A	57.6	5.9	0.0	0.0	0.0	63.3	1.6	-3.7	0.0	0.0	8.5	0.0	13.2	-19.4
1979	17591869.09	4839459.27	3.50	2	DEN	A	57.6	8.4	0.0	0.0	0.0	67.6	2.3	-4.4	0.0	0.0	9.1	0.0	02.6	-111.4
1987	17591852.22	4839472.31	3.50	2	DEN	A	57.6	15.5	0.0	0.0	0.0	67.6	2.3	-4.4	0.0	0.0	10.3	0.0	09.0	-111.8
1995	17591829.67	4839482.15	3.50	0	DEN	A	57.6	16.8	0.0	0.0	0.0	62.1	1.5	-3.5	0.0	0.0	9.5	0.0	0.0	4.7
2003	17591856.77	4839461.37	3.50	0	DEN	A	57.6	13.2	0.0	0.0	0.0	62.1	1.5	-3.5	0.0	0.0	10.8	0.0	0.0	-0.2
2011	17591869.51	4839451.60	3.50	0	DEN	A	57.6	10.5	0.0	0.0	0.0	62.2	1.5	-3.5	0.0	0.0	8.3	0.0	0.0	-0.4
2020	17591839.16	4839474.88	3.50	1	DEN	A	57.6	14.3	0.0	0.0	0.0	62.6	1.5	-3.6	0.0	0.0	8.5	0.0	4.2	-1.3
2028	17591856.04	4839461.93	3.50	1	DEN	A	57.6	11.9	0.0	0.0	0.0	62.6	1.5	-3.6	0.0	0.0	8.9	0.0	4.4	-4.5
2037	17591841.85	4839472.82	3.50	2	DEN	A	57.6	14.0	0.0	0.0	0.0	63.4	1.6	-3.8	0.0	0.0	8.5	0.0	13.2	-11.4
2045	17591857.26	4839460.99	3.50	2	DEN	A	57.6	11.3	0.0	0.0	0.0	63.4	1.6	-3.7	0.0	0.0	8.6	0.0	13.3	-14.3
2053	17591830.26	4839481.71	3.50	2	DEN	A	57.6	5.9	0.0	0.0	0.0	63.4	1.6	-3.8	0.0	0.0	8.5	0.0	13.2	-19.5
2235	17591775.25	4839531.80	3.50	0	DEN	A	57.6	17.5	0.0	0.0	0.0	62.1	1.5	-3.8	0.0	0.0	0.0	0.0	0.0	15.4
2242	17591777.79	4839529.23	3.50	1	DEN	A	57.6	16.9	0.0	0.0	0.0	62.6	1.5	-3.5	0.0	0.0	8.3	0.0	24.5	-19.0
2250	17591757.77	4839549.50	3.50	2	DEN	A	57.6	8.4	0.0	0.0	0.0	63.6	1.7	-3.7	0.0	0.0	8.4	0.0	27.9	-32.0
2257	17591769.17	4839537.96	3.50	2	DEN	A	57.6	14.1	0.0	0.0	0.0	63.4	1.6	-3.7	0.0	0.0	8.4	0.0	27.6	-25.9
2265	17591763.77	4839543.43	3.50	1	DEN	A	57.6	13.8	0.0	0.0	0.0	63.0	1.6	-4.0	0.0	0.0	0.0	0.0	6.5	4.3
2272	17591776.51	4839530.53	3.50	1	DEN	A	57.6	10.9	0.0	0.0	0.0	62.9	1.6	-4.0	0.0	0.0	0.0	0.0	4.1	3.9
2280	17591771.41	4839535.69	3.50	1	DEN	A	57.6	7.3	0.0	0.0	0.0	65.8	2.0	-4.4	0.0	0.0	11.5	0.0	36.0	-46.0
2288	17591788.56	4839518.33	3.50	2	DEN	A	57.6	2.9	0.0	0.0	0.0	65.8	2.0	-4.4	0.0	0.0	9.2	0.0	31.5	-43.6
2296	17591789.94	4839516.93	3.50	2	DEN	A	57.6	3.0	0.0	0.0	0.0	65.8	2.0	-4.4	0.0	0.0	0.0	0.0	31.4	-34.2
2304	17591791.05	4839515.80	3.50	2	DEN	A	57.6	0.7	0.0	0.0	0.0	65.8	2.0	-4.4	0.0	0.0	0.0	0.0	31.4	-36.5
2312	17591789.16	4839517.71	3.50	2	DEN	A	57.6	4.1	0.0	0.0	0.0	65.8	2.0	-4.5	0.0	0.0	0.0	0.0	31.4	-33.0
2320	17591790.96	4839515.90	3.50	2	DEN	A	57.6	4.0	0.0	0.0	0.0	65.8	2.0	-4.5	0.0	0.0	9.3	0.0	31.5	-42.4
2328	17591764.72	4839542.46	3.50	1	DEN	A	57.6	14.3	0.0	0.0	0.0	64.7	1.8	-4.4	0.0	0.0	9.6	0.0	7.3	-7.3
2368	17591778.97	4839535.21	3.50	0	DEN	A	57.6	16.7	0.0	0.0	0.0	62.0	1.5	-3.8	0.0	0.0	0.0	0.0	0.0	14.6
2376	17591780.16	4839534.10	3.50	1	DEN	A	57.6	16.3	0.0	0.0	0.0	62.5	1.5	-3.4	0.0	0.0	8.2	0.0	24.4	-19.3
2384	17591770.94	4839542.77	3.50	2	DEN	A	57.6	13.9	0.0	0.0	0.0	63.5	1.7	-3.7	0.0	0.0	8.4	0.0	27.8	-26.4
2392	17591778.96	4839535.23	3.50	1	DEN	A	57.6	10.9	0.0	0.0	0.0	63.0	1.6	-4.0	0.0	0.0	0.0	0.0	6.5	1.4
2400	17591768.30	4839545.26	3.50	1	DEN	A	57.6	12.3	0.0	0.0	0.0	63.1	1.6	-4.0	0.0	0.0	0.0	0.0	6.5	2.7
2408	17591773.79	4839540.09	3.50	1	DEN	A	57.6	7.3	0.0	0.0	0.0	65.9	2.0	-4.4	0.0	0.0	9.7	0.0	32.0	-40.3
2416	17591795.31	4839519.84	3.50	2	DEN	A	57.6	0.8	0.0	0.0	0.0	65.8	2.0	-4.5	0.0	0.0	0.0	0.0	31.6	-36.7
2424	17591794.15	4839520.94	3.50	2	DEN	A	57.6	3.0	0.0	0.0	0.0	65.8	2.0	-4.4	0.0	0.0	0.0	0.0	31.6	-34.4
2432	17591792.70	4839522.30	3.50	2	DEN	A	57.6	2.9	0.0	0.0	0.0	65.8	2.0	-4.4	0.0	0.0	9.2	0.0	31.7	-43.8
2440	17591794.98	4839520.15	3.50	2	DEN	A	57.6	3.7	0.0	0.0	0.0	65.8	2.0	-4.5	0.0	0.0	9.3	0.0	31.7	-43.0
2448	17591793.17	4839521.86	3.50	2	DEN	A	57.6	4.2	0.0	0.0	0.0	65.8	2.0	-4.5	0.0	0.0	0.0	0.0	31.6	-33.2
2456	17591769.35	4839544.27	3.50	1	DEN	A	57.6	13.0	0.0	0.0	0.0	64.8	1.8	-4.4	0.0	0.0	9.4	0.0	7.1	-8.2
2464	17591693.97	4839512.05	3.50	0	DEN	A	57.6	17.8	0.0	0.0	0.0	63.7	1.7	-4.2	0.0	0.0	0.0	0.0	0.0	14.2
2472	17591690.00	4839507.75	3.50	1	DEN	A	57.6	13.2	0.0	0.0	0.0	64.4	1.8	-3.8	0.0	0.0	8.5	0.0	27.2	-27.4
2480	17591704.37	4839523.33	3.50	1	DEN	A	57.6	7.4	0.0	0.0	0.0	64.0	1.7	-4.2	0.0	0.0	9.0	0.0	6.7	-12.2
2488	17591712.91	4839532.59	3.50	1	DEN	A	57.6	7.0	0.0	0.0	0.0	64.2	1.8	-4.3	0.0	0.0	0.0	0.0	4.2	-1.2
2528	17591688.11	4839511.33	3.50	0	DEN	A	57.6	17.2	0.0	0.0	0.0	63.9	1.7	-4.2	0.0	0.0	0.0	0.0	0.0	13.4
2536	17591683.41	4839504.44	3.50	1	DEN	A	57.6	11.9	0.0	0.0	0.0	64.6	1.8	-3.8	0.0	0.0	8.6	0.0	27.4	-29.1
2544	17591700.20	4839529.03	3.50	1	DEN	A	57.6	7.7	0.0	0.0	0.0	64.1	1.7	-4.2	0.0	0.0	9.0	0.0	6.7	-12.1
2703	17591812.61	4839503.33	3.50	0	DEN	A	57.6	8.0	0.0	0.0	0.0	61.9	1.5	-3.5	0.0	0.0	7.5	0.0	0.0	-1.9
2711	17591803.09	4839512.43	3.50	0	DEN	A	57.6	13.0	0.0	0.0	0.0	61.9	1.5	-3.6	0.0	0.0	0.0	0.0	0.0	10.7
2719	17591796.55	4839518.68	3.50	1	DEN	A	57.6	2.9	0.0	0.0	0.0	62.4	1.5	-3.4	0.0	0.0	8.2	0.0	24.2	-32.5
2727	17591795.91	4839519.28	3.50	2	DEN	A	57.6	-7.7	0.0	0.0	0.0	65.8	2.0	-4.5	0.0	0.0	9.3	0.0	31.7	-54.4
2830	17591800.74	4839506.29	3.50	0	DEN	A	57.6	11.9	0.0	0.0	0.0	62.1	1.5	-3.6	0.0	0.0	0.0	0.0	0.0	9.5
2838	17591808.60	4839498.76	3.50	0	DEN	A	57.6	8.0	0.0	0.0	0.0	62.1	1.5	-3.5	0.0	0.0	6.6	0.0	0.0	-1.1
2846	17591732.53	4839559.47	3.50	0	DEN	A	57.6	13.2	0.0	0.0	0.0	62.5	1.5	-3.8	0.0	0.0	0.0	0.0	0.0	10.6
2854	17591741.81	4839562.28	3.50	1	DEN	A	57.6	2.0	0.0	0.0	0.0	64.9	1.9	-4.4	0.0	0.0	9.2	0.0	6.8	-18.7
2862	17591737.34	4839560.93	3.50	1	DEN	A	57.6	8.9	0.0	0.0	0.0	64.8	1.8	-4.4	0.0	0.0	9.1	0.0	6.8	-11.8
2869	17591728.05	4839558.12	3.50	1	DEN	A	57.6	10.7	0.0	0.0	0.0	64.7	1.8	-4.4	0.0	0.0	0.0	0.0	6.8	-0.7
2877	17591712.30	4839539.12	3.50	0	DEN	A	57.6	13.5	0.0	0.0	0.0	63.1	1.6	-4.0	0.0	0.0	0.0	0.0	0.0	10.3
2885	17591718.55	4839543.19	3.50	1	DEN	A	57.6	8.7	0.0	0.0	0.0	64.4	1.8	-4.3	0.0	0.0	0.0	0.0	4.2	0.2
2893	17591731.22	4839537.33	3.50	0	DEN	A	57.6	13.2	0.0	0.0	0.0	62.8	1.6	-4.0	0.0	0.0	0.0	0.0	0.0	10.4
2901	17591726.16	4839533.64	3.50	1	DEN	A	57.6	9.2	0.0	0.0	0.0	64.3	1.8	-4.3	0.0	0.0	9.1	0.0	4.2	-8.3
2909	17591734.59	4839539.79	3.50	1	DEN	A	57.6	11.0	0.0	0.0	0.0	64.4	1.8	-4.3	0.0	0.0	9.1	0.0	4.2	-6.7
2917	17591721.95	4839542.13	3.50	0	DEN	A	57.6	13.3	0.0	0.0	0.0	62.9	1.6	-4.0	0.0	0.0	0.0	0.0	0.0	10.3
2925	17591721.95	4839542.13	3.50	1	DEN	A	57.6	13.3	0.0	0.0	0.0	64.4	1.8	-4.3	0.0	0.0	0.0	0.0	4.2	4.8
2950	17591730.66	4839544.35	3.50	0	DEN	A	57.6	12.6	0.0	0.0	0.0	62.7	1.6	-4.0	0.0	0.0	0.0	0.0	0.0	9.8
2958	17591736.37	4839543.79	3.50	1	DEN	A	57.6	8.2	0.0	0.0	0.0	64.5	1.8	-4.3	0.0	0.0	9.1	0.0	4.2	-9.6
2966	17591730.12	4839544.40	3.50	1	DEN	A	57.6	7.8	0.0	0.0	0.0	64.5	1.8	-4.3	0.0	0.0	9.1	0.0	4.2	-10.0

Line Source, ISO 9613, Name: "Refer Movement", ID: "C1_TRUmov"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2973	17591724.41	4839544.96	3.50	1	DEN	A	57.6	7.4	0.0	0.0	0.0	64.5	1.8	-4.3	0.0	0.0	0.0	0.0	4.2	-1.2
2981	17591747.89	4839554.08	3.50	0	DEN	A	57.6	11.9	0.0	0.0	0.0	62.3	1.5	-3.9	0.0	0.0	0.0	0.0	0.0	9.6
2989	17591752.85	4839552.67	3.50	2	DEN	A	57.6	7.1	0.0	0.0	0.0	63.7	1.7	-3.7	0.0	0.0	8.4	0.0	28.0	-33.4
2997	17591754.86	4839552.11	3.50	1	DEN	A	57.6	-0.1	0.0	0.0	0.0	63.1	1.6	-4.1	0.0	0.0	0.0	0.0	6.5	-9.7
3005	17591747.89	4839554.08	3.50	1	DEN	A	57.6	11.9	0.0	0.0	0.0	64.8	1.8	-4.4	0.0	0.0	9.1	0.0	6.8	-8.8
3013	17591718.58	4839548.94	3.50	0	DEN	A	57.6	12.3	0.0	0.0	0.0	62.9	1.6	-3.9	0.0	0.0	0.0	0.0	0.0	9.3
3021	17591720.52	4839552.66	3.50	1	DEN	A	57.6	9.3	0.0	0.0	0.0	64.6	1.8	-4.3	0.0	0.0	0.0	0.0	4.2	0.6
3029	17591757.65	4839555.88	3.50	0	DEN	A	57.6	11.2	0.0	0.0	0.0	62.0	1.5	-3.8	0.0	0.0	0.0	0.0	0.0	9.0
3037	17591761.74	4839551.48	3.50	2	DEN	A	57.6	0.3	0.0	0.0	0.0	63.7	1.7	-3.7	0.0	0.0	8.4	0.0	28.0	-40.3
3045	17591757.28	4839556.28	3.50	2	DEN	A	57.6	10.8	0.0	0.0	0.0	63.7	1.7	-3.7	0.0	0.0	8.5	0.0	28.1	-29.9
3052	17591759.29	4839554.11	3.50	1	DEN	A	57.6	9.2	0.0	0.0	0.0	63.2	1.6	-4.1	0.0	0.0	0.0	0.0	6.5	-0.5
3059	17591757.65	4839555.88	3.50	1	DEN	A	57.6	11.2	0.0	0.0	0.0	64.9	1.9	-4.4	0.0	0.0	9.3	0.0	7.0	-9.9
3066	17591734.86	4839552.99	3.50	0	DEN	A	57.6	11.1	0.0	0.0	0.0	62.5	1.5	-3.9	0.0	0.0	0.0	0.0	0.0	8.5
3073	17591733.52	4839552.22	3.50	1	DEN	A	57.6	9.9	0.0	0.0	0.0	64.6	1.8	-4.3	0.0	0.0	9.1	0.0	6.8	-10.6
3081	17591739.10	4839555.41	3.50	1	DEN	A	57.6	4.9	0.0	0.0	0.0	64.7	1.8	-4.4	0.0	0.0	9.1	0.0	6.8	-15.7
3089	17591747.88	4839561.60	3.50	0	DEN	A	57.6	10.3	0.0	0.0	0.0	62.2	1.5	-3.8	0.0	0.0	0.0	0.0	0.0	8.0
3096	17591752.59	4839560.79	3.50	2	DEN	A	57.6	0.9	0.0	0.0	0.0	63.8	1.7	-3.7	0.0	0.0	8.5	0.0	28.2	-40.0
3104	17591747.88	4839561.60	3.50	1	DEN	A	57.6	10.3	0.0	0.0	0.0	64.9	1.9	-4.4	0.0	0.0	9.2	0.0	6.8	-10.5
3112	17591718.74	4839536.31	3.50	0	DEN	A	57.6	11.2	0.0	0.0	0.0	63.0	1.6	-4.0	0.0	0.0	0.0	0.0	0.0	8.1
3120	17591718.55	4839536.55	3.50	1	DEN	A	57.6	10.3	0.0	0.0	0.0	64.3	1.8	-4.3	0.0	0.0	0.0	0.0	4.2	1.9
3127	17591722.32	4839531.78	3.50	1	DEN	A	57.6	1.8	0.0	0.0	0.0	64.2	1.8	-4.3	0.0	0.0	9.0	0.0	4.2	-15.6

Point Source, ISO 9613, Name: "Lennox LGH036", ID: "A_AC01"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2101	17591765.32	4839767.26	9.10	0	D	A	74.8	0.0	0.0	0.0	0.0	59.9	0.9	-1.8	0.0	0.0	6.6	0.0	0.0	9.3
2101	17591765.32	4839767.26	9.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	59.9	0.9	-1.8	0.0	0.0	6.6	0.0	0.0	6.3
2101	17591765.32	4839767.26	9.10	0	E	A	74.8	0.0	0.0	0.0	0.0	59.9	0.9	-1.8	0.0	0.0	6.6	0.0	0.0	9.3

Point Source, ISO 9613, Name: "Lennox LGH036", ID: "A_AC02"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2109	17591764.73	4839743.76	9.10	0	D	A	74.8	0.0	0.0	0.0	0.0	59.9	0.9	-2.0	0.0	0.0	6.7	0.0	0.0	9.2
2109	17591764.73	4839743.76	9.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	59.9	0.9	-2.0	0.0	0.0	6.7	0.0	0.0	6.2
2109	17591764.73	4839743.76	9.10	0	E	A	74.8	0.0	0.0	0.0	0.0	59.9	0.9	-2.0	0.0	0.0	6.7	0.0	0.0	9.2

Point Source, ISO 9613, Name: "Lennox KGB024", ID: "A_AC33"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2336	17591762.89	4839760.16	9.10	0	D	A	73.6	0.0	0.0	0.0	0.0	60.0	0.9	-1.9	0.0	0.0	6.7	0.0	0.0	7.9
2336	17591762.89	4839760.16	9.10	0	N	A	73.6	0.0	-3.0	0.0	0.0	60.0	0.9	-1.9	0.0	0.0	6.7	0.0	0.0	4.9
2336	17591762.89	4839760.16	9.10	0	E	A	73.6	0.0	0.0	0.0	0.0	60.0	0.9	-1.9	0.0	0.0	6.7	0.0	0.0	7.9

Point Source, ISO 9613, Name: "Lennox KCB024", ID: "A_AC06"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2344	17591763.17	4839737.92	9.10	0	D	A	73.6	0.0	0.0	0.0	0.0	60.0	0.9	-2.0	0.0	0.0	6.7	0.0	0.0	7.9
2344	17591763.17	4839737.92	9.10	0	N	A	73.6	0.0	-3.0	0.0	0.0	60.0	0.9	-2.0	0.0	0.0	6.7	0.0	0.0	4.9
2344	17591763.17	4839737.92	9.10	0	E	A	73.6	0.0	0.0	0.0	0.0	60.0	0.9	-2.0	0.0	0.0	6.7	0.0	0.0	7.9

Point Source, ISO 9613, Name: "Retail C4 Rooftop Unit ", ID: "C4_RTU01"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2568	17591817.55	4839463.97	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	62.6	1.2	-3.0	0.0	0.0	0.0	0.0	0.0	14.1
2568	17591817.55	4839463.97	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	62.6	1.2	-3.0	0.0	0.0	0.0	0.0	0.0	11.1
2568	17591817.55	4839463.97	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	62.6	1.2	-3.0	0.0	0.0	0.0	0.0	0.0	14.1

Point Source, ISO 9613, Name: "Retail C3 Rooftop Unit ", ID: "C3_RTU01"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2782	17591764.40	4839370.83	6.10	0	D	A	74.8	0.0	0.0	0.0	0.0	64.7	1.4	-3.5	0.0	0.0	0.0	0.0	0.0	12.2
2782	17591764.40	4839370.83	6.10	0	N	A	74.8	0.0	-3.0	0.0	0.0	64.7	1.4	-3.5	0.0	0.0	0.0	0.0	0.0	9.2
2782	17591764.40	4839370.83	6.10	0	E	A	74.8	0.0	0.0	0.0	0.0	64.7	1.4	-3.5	0.0	0.0	0.0	0.0	0.0	12.2



Receiver  
 Name: Residential  
 ID: R2  
 X: 17592043.72 m  
 Y: 4839768.92 m  
 Z: 4.50 m

Line Source, ISO 9613, Name: "Trailer Coupling/Uncoupling", ID: "A\_IMP\_CP"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
14	17591886.92	4839811.92	1.00	0	D	A	98.2	11.1	0.0	0.0	0.0	55.2	0.7	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3
14	17591886.92	4839811.92	1.00	0	N	A	98.2	11.1	0.0	0.0	0.0	55.2	0.7	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3
14	17591886.92	4839811.92	1.00	0	E	A	98.2	11.1	0.0	0.0	0.0	55.2	0.7	-2.0	0.0	0.0	0.0	0.0	0.0	0.0	55.3

Line Source, ISO 9613, Name: "Loading/Unloading", ID: "A\_IMP\_LD"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)	
24	17591879.58	4839817.46	1.00	0	D	A	98.5	11.1	0.0	0.0	0.0	55.7	0.8	-1.9	0.0	0.0	0.0	0.0	0.0	0.0	55.0
24	17591879.58	4839817.46	1.00	0	N	A	98.5	11.1	0.0	0.0	0.0	55.7	0.8	-1.9	0.0	0.0	0.0	0.0	0.0	0.0	55.0
24	17591879.58	4839817.46	1.00	0	E	A	98.5	11.1	0.0	0.0	0.0	55.7	0.8	-1.9	0.0	0.0	0.0	0.0	0.0	0.0	55.0
42	17591878.77	4839816.38	1.00	1	D	A	98.5	-11.4	0.0	0.0	0.0	56.0	0.8	-2.1	0.0	0.0	16.5	0.0	3.3	12.6	
42	17591878.77	4839816.38	1.00	1	N	A	98.5	-11.4	0.0	0.0	0.0	56.0	0.8	-2.1	0.0	0.0	16.5	0.0	3.3	12.6	
42	17591878.77	4839816.38	1.00	1	E	A	98.5	-11.4	0.0	0.0	0.0	56.0	0.8	-2.1	0.0	0.0	16.5	0.0	3.3	12.6	

Receiver  
 Name: Residential  
 ID: R2  
 X: 17592043.72 m  
 Y: 4839768.92 m  
 Z: 4.50 m

Line Source, ISO 9613, Name: "Loading/Unloading", ID: "C1\_IMP\_LD"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
5	17591664.75	4839478.42	1.00	0	D	A	99.6	8.3	0.0	0.0	0.0	64.6	1.7	-4.8	0.0	0.0	5.3	0.0	0.0	41.1
5	17591664.75	4839478.42	1.00	0	N	A	101.2	8.3	0.0	0.0	0.0	64.6	1.7	-4.8	0.0	0.0	5.3	0.0	0.0	42.7
5	17591664.75	4839478.42	1.00	0	E	A	99.6	8.3	0.0	0.0	0.0	64.6	1.7	-4.8	0.0	0.0	5.3	0.0	0.0	41.1

Line Source, ISO 9613, Name: "Trailer Coupling/Uncoupling", ID: "C1\_IMP\_CP"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
10	17591668.44	4839486.09	1.00	0	D	A	99.6	4.5	0.0	0.0	0.0	64.4	1.7	-4.8	0.0	0.0	0.0	0.0	0.0	42.7
10	17591668.44	4839486.09	1.00	0	N	A	101.3	4.5	0.0	0.0	0.0	64.4	1.7	-4.8	0.0	0.0	0.0	0.0	0.0	44.4
10	17591668.44	4839486.09	1.00	0	E	A	99.6	4.5	0.0	0.0	0.0	64.4	1.7	-4.8	0.0	0.0	0.0	0.0	0.0	42.7
19	17591670.97	4839484.18	1.00	0	D	A	99.6	5.5	0.0	0.0	0.0	64.4	1.7	-4.8	0.0	0.0	4.9	0.0	0.0	38.8
19	17591670.97	4839484.18	1.00	0	N	A	101.3	5.5	0.0	0.0	0.0	64.4	1.7	-4.8	0.0	0.0	4.9	0.0	0.0	40.5
19	17591670.97	4839484.18	1.00	0	E	A	99.6	5.5	0.0	0.0	0.0	64.4	1.7	-4.8	0.0	0.0	4.9	0.0	0.0	38.8

Point Source, ISO 9613, Name: "Loading/Unloading", ID: "C2\_IMP\_LD"

Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
25	17591719.75	4839509.90	1.00	0	D	A	104.9	0.0	0.0	0.0	0.0	63.4	1.5	-4.6	0.0	0.0	5.2	0.0	0.0	39.4
25	17591719.75	4839509.90	1.00	0	N	A	104.9	0.0	-188.0	0.0	0.0	63.4	1.5	-4.6	0.0	0.0	5.2	0.0	0.0	148.6
25	17591719.75	4839509.90	1.00	0	E	A	104.9	0.0	0.0	0.0	0.0	63.4	1.5	-4.6	0.0	0.0	5.2	0.0	0.0	39.4
29	17591719.75	4839509.90	1.00	1	D	A	104.9	0.0	0.0	0.0	0.0	63.8	1.6	-4.7	0.0	0.0	21.0	0.0	2.3	20.9
29	17591719.75	4839509.90	1.00	1	N	A	104.9	0.0	-188.0	0.0	0.0	63.8	1.6	-4.7	0.0	0.0	21.0	0.0	2.3	167.1
29	17591719.75	4839509.90	1.00	1	E	A	104.9	0.0	0.0	0.0	0.0	63.8	1.6	-4.7	0.0	0.0	21.0	0.0	2.3	20.9