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Linksview Subdivision

NOISE IMPACT STUDY

Rayville Developments (Legacy) Inc.

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Issue	Date	Description
1	July 10, 2025	Report
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1 Introduction

Tatham Engineering Limited (Tatham) has been retained by Rayville Developments (Legacy) Inc. to complete a Noise Impact Study to support revisions to the draft plan approved Linksview Subdivision located in the Town of Collingwood.

1.1 PURPOSE

An application for zoning by-law amendment and revisions to the draft plan approved Linksview subdivision was submitted in April 2024. The purpose of this report is to address agency comments received November 2024, peer review comments received August 14, 2025, and coordination with the revised draft Plan dated February 2, 2026, including:

- Identifying potential stationary noise sources in the vicinity of the Development and assessing their impact on the proposed development.
- Assessing the impact of road traffic noise from surrounding transportation corridors on the proposed development.

A separate letter dated February 10, 2026 has been submitted concurrently with this report, providing an itemized response to the peer review comments received.

1.2 GUIDELINES AND BACKGROUND INFORMATION

This report was prepared recognizing the previous engineering studies completed to date and applicable Municipal and Provincial guidelines, including the following:

- Ontario Ministry of the Environment, Conservation and Parks (MECP) publication NPC-300 “Environmental Noise Guidelines for Stationary and Transportation Sources – Approval and Planning” dated August 2013 (PIBS 9588e); and
- Town of Collingwood Zoning By-Law.



2 Development and Noise Sources

2.1 PROPOSED DEVELOPMENT

The subject property consists of 40.66 ha of land with frontage along the west side of Tenth Line situated north of Sixth Street and south of Mountain Road. The legal description of the site refers to the North Half of Lot 43 Concession 11, Geographic Township of Nottawasaga, Town of Collingwood, County of Simcoe. The municipal address for the site is 780 Tenth Line, Collingwood. Figure 1 (enclosed) is a Site Location Plan showing the location of the subject property.

It is proposed to develop the 40.66 ha property with 275 single family units, 184 townhouse units, 2.13 ha school block, and a 2.07 ha apartment block estimated to yield between 113 to 185 units. An additional 5.78 ha are allocated to provide park blocks, a 10 m buffer, an emergency exit, walkway blocks, and an environmental protection block, including a 2.13 ha SWM block. It is expected that the subdivision will be serviced in 3 phases in conjunction with market demands.

The development layout is shown on the Draft Plan of Subdivision (MHBC, May 26, 2025, revised February 2, 2026) enclosed in Appendix A.

2.2 ZONING BY-LAW

The Project site is currently zoned under multiple categories in the Town of Collingwood Zoning By-law 2010-040, including Residential Third Density Exception Forty (R3-40), Residential Fourth Density Exception Six (R4-6), Community Services Exception Two (CS-2), Environmental Protection (EP), and Recreation (REC). The zoning map is presented in Figure 2. A site-specific Zoning By-Law Amendment application has been submitted to fine tune the current approved zoning to match the proposed draft plan.

2.3 SURROUNDING LAND USE

As per the Town of Collingwood Zoning By-law 2010-040, surrounding land uses include:

- **North:** Zoned as Recreation (REC).
- **South:** Eastern portion zoned as Recreation (REC); western portion zoned as Rural (RU) and Environmental Protection (EP).
- **West:** Zoned as Rural (RU). Winters Aggregate site is zoned as RU-5 (H5)
- **East:** Zoned as Residential Third Density (R3) with various exceptions, including R3-1, R3-4, and R3-47.



These surrounding land uses reflect a mix of residential, recreational, rural and environmental protection zones, contributing to the broader planning context of the area.

2.4 SITE-VISIT OBSERVATIONS

A site visit was conducted on June 23, 2025, to identify significant sources of noise near the Development. The owner of the Winters Aggregate Pit permitted access for on-site noise surveys and measurements. Stationary noise emissions were noted from the Winters Aggregate Pit's operations during the visit. Additional noise sources in the vicinity included traffic along Tenth Line and Sixth Street.

2.5 SIGNIFICANT NOISE SOURCES

Tenth Line and Sixth Street are the main roads bordering or located near the Development and are considered significant transportation noise sources. Traffic noise from these roads is included in this assessment.

Other roads in the surrounding area are not considered significant noise sources due to their distance from the Development or low traffic volumes and speeds. Local roads serving residential or recreational uses are expected to generate negligible noise impacts so were not assessed.

The Development is not located within an airport vicinity zone, so an aircraft or airport noise assessment is not required. Similarly, the Development is not situated near railway operations, and a rail noise assessment is not necessary.

The Winters Aggregate Pit, located west of the Development, operates a concrete crushing and aggregate facility. Tatham visited the pit property with the pit owner's permission and completed an on-site noise survey and documented stationary noise sources during their operations. The Development lies within the potential influence area of the pit, so noise emissions from Winters Aggregate Pit operations have been reviewed and included in this study.



3 Applicable Noise Criteria

3.1 ROAD TRANSPORTATION NOISE CRITERIA

The MECP publication NPC-300 sets limits for the sound level criteria for Transportation noise sources. The sound performance criteria are expressed as a daytime 16-hr equivalent sound level ($L_{eq(16)}$ values, in dBA) for (7:00-23:00) and nighttime 8-hr equivalent sound level ($L_{eq(8)}$ values, in dBA) for (23:00-7:00). These limits are outlined based on the location of the Point of Reception (PORs). Tables 1 and 2 summarize the applicable sound level limits for road sources.

Table 1: Road Noise Level Limit for Outdoor Living area (OLA)

AREA	TIME PERIOD	LEQ (16) LEVEL (dBA)
Individual or Common Outdoor Living Area	Daytime 7:00-23:00	55

Table 2: Road Noise Level Limit for Indoor Living Area

AREA	TIME PERIOD	LEQ LEVEL (dBA)
Living/dining/den areas	Daytime 7:00-23:00	45
Living/dining/den areas	Nighttime 23:00-7:00	45
Sleeping quarters	Daytime 7:00-23:00	45
Sleeping quarters	Nighttime 23:00-7:00	40

Noise control measures are not required if the sound levels at the exterior of the building meet the following requirements:

- Sound level estimated in the OLA is 55 dBA or less during the daytime;
- Sound level estimated in the plane of bedroom windows is 55 dBA or less during daytime; and,
- Sound level estimated in the plane of bedroom windows is 50 dBA or less during night-time.

In addition, according to the requirements of NPC-300, the following conditions listed in Table 3 will apply to new Developments if sound levels exceed the above-mentioned criteria. The conditions are a combination of noise control measures, ventilation requirements and building component requirements.



Table 3: Noise Conditions for New Developments

AREA	LEQ LEVEL (DBA)	NOISE CONTROL MEASURE (NCM)	WARNING CLAUSE
Outdoor Living Area (OLA)	$55 \text{ dBA} < L_{eq(16)} \leq 60 \text{ dBA}$	NCM may be applied to reduce the sound level to 55 dBA.	Warning Clause Type A to be used if measures are not provided.
Outdoor Living Area (OLA)	$60 \text{ dBA} < L_{eq(16)}$	NCM should be implemented to reduce the sound level to 55 dBA.	Warning Clause Type B to be used, if control measures are technically or economically are not feasible. In this situation, any excess above the limit will not be acceptable if it exceeds 5 dBA.
Plane of Window (POW)	$55 \text{ dBA} < L_{eq(16)} \leq 65 \text{ dBA}$	The dwelling should be designed with a provision for the installation of central air conditioning in the future, at the occupant's discretion.	Warning Clause Type C is also recommended.
	$50 \text{ dBA} < L_{eq(8)} \leq 60 \text{ dBA}$		
Plane of Window (POW)	$65 \text{ dBA} \leq L_{eq(16)}$	- Installation of central air conditioning should be implemented with a warning clause Type D. - In addition, building components including windows, walls and doors, where applicable, should be designed so that the indoor sound levels comply with the sound level limits in Table C-2, NPC-300. - The acoustical performance of the building components (windows, doors and walls) should be specified. - The location and installation of the outdoor air conditioning device should comply with sound level limits of Publication NPC-216, and guidelines contained in Environmental Noise Guidelines for Installation of Residential Air Conditioning Devices or should comply with other criteria specified by the municipality.	Warning Clause Type D
	$60 \text{ dBA} \leq L_{eq(16)}$		

$L_{eq(16)}$ daytime
 $L_{eq(8)}$ nighttime



The noise warning clauses, where applicable, may be used to warn the prospective purchasers or tenant of potential noise problems.

3.2 STATIONARY SOURCES NOISE CRITERIA

The MECP publication NPC-300 establishes sound level limits for stationary noise sources based on the location of PORs and the acoustical classification of the surrounding area. Given the proximity of the Winters Aggregate Pit and stationary noise emissions during its operations, the acoustical environment of the Development is suitable for application to the Town of Collingwood to designate the area as Class 4 under NPC-300.

NPC-300 defines Class 4 area as the following:

- is an area intended for development with new noise sensitive land use(s) that are not yet built;
- is in proximity to existing, lawfully established stationary source(s); and
- has formal confirmation from the land use planning authority with the Class 4 area classification which is determined during the land use planning process.

Several factors support the suitability of a Class 4 designation for the Development:

- According to the Simcoe County GIS service, the Winters Aggregate Pit has operated as an aggregate pit since at least 1978, based on historical satellite imagery available through opengis.simcoe.ca. This confirms the presence of an existing, lawfully established stationary source.
- The Town of Collingwood currently zones the Development lands as R3, which permits residential development. This aligns with the Class 4 definition, as the area is intended for new noise-sensitive land use and remains undeveloped.

This evidence supports pursuing a Class 4 designation to appropriately address the noise environment created by the nearby aggregate operations and facilitate compatible residential development.

Class 4 areas require additional acoustical mitigation measures including additional warning clauses and central air conditioning requirements. The sound performance criteria for steady noise sources are expressed as one-hour equivalent sound levels (Leq (1-hr), in dBA) and are determined as the higher of the NPC-300 exclusionary minimum limit or the existing background sound level. The NPC-300 stationary source noise performance criteria for steady sources are summarized in Table 4 for Outdoor Living Areas (OLAs) and Plane of Window (POW) locations. The MECP exclusionary sound level limit for a Class 4 area assumes that windows will be kept closed.



Table 4: Exclusionary Sound Limits for Noise Sensitive Spaces in Class 4 Area

POINT OF RECEPTION (POR)	TIME PERIOD	LEQ LEVEL (DBA)
Outdoor Living Area (OLA)	7:00-19:00	55
	19:00-23:00	55
Plane of Window (POW)	7:00-19:00	60
	19:00-23:00	60
	23:00-7:00	55

The stationary noise sources identified in the study area include operational sounds from the Winters Aggregate Pit, which are assumed to operate continuously under steady-state conditions. No impulsive noise sources were identified or assessed as part of this report.



4 Transportation Noise Impact Assessment

4.1 TRAFFIC DATA AND FUTURE PROJECTIONS

Tenth Line borders the east side of the Linksview Development. It consists of a two-lane urban asphalt cross-section in the study area, with a posted speed limit of 50 km/h. Tenth Line was included as a single road segment in the noise assessment and modelling.

Sixth Street is located south of the Development and features a two-lane urban asphalt cross-section. The posted speed limit is 60 km/h until the Free Spirit Forest and Nature School. Beyond this point, westbound traffic speed increases to 80 km/h. As a result, Sixth Street was divided into two segments—one at 60 km/h and one at 80 km/h westbound—to reflect these speed differences in the noise modelling.

Traffic volumes for Tenth Line and Sixth Street were derived from a traffic impact study completed by Tatham for the Development for the year 2025 and is projected to year 2035, inclusive of traffic generated by the Development. Based on this data, the AADT volumes in the study area are as follows:

- Tenth Line
 - 2025 AADT: 3,000 vehicles/day
 - 2035 AADT: 8,300 vehicles/day
- Sixth Street (total)
 - 2025 AADT: 5,000 vehicles/day
 - 2035 AADT: 7,400 vehicles/day

The vehicle split for both roads was estimated as follows:

- Cars: 90%
- Medium trucks: 5%
- Heavy trucks: 5%

Overnight traffic volumes were estimated to represent approximately 11% of the AADT.

A summary of the road source parameters used in the noise assessment is provided in Table 5.



Table 5: Road Traffic Parameters for the Development

ROAD SEGMENT	ROAD SURFACE	LANE	ROAD GRADIENT (%)	2035 AADT (V/D)	SPEED LIMIT (KM/H)	DAY/NIGHT SPLIT %	CAR/MEDIUM TRUCK/HEAVY TRUCK SPLIT %
Tenth Line	Asphalt	2	2.5%	8300	50	89.2/10.8	90/5/5
Sixth Street	Asphalt	2	1.9%	7400	60	89.2/10.8	90/5/5
Sixth Street	Asphalt	2	1.9%	7400	80	89.2/10.8	90/5/5

4.2 PROJECTED SOUND LEVELS

PORs with the highest potential for noise impacts from traffic along Tenth Line and Sixth Street were selected on building façades (Plane-of-Window, POW) and in outdoor living areas (OLA) to evaluate noise effects on the proposed Linksview Development.

Seven PORs (POR1 to POR7) were selected to represent various building types and site features, including apartment buildings, townhouses, single-detached dwellings, a school block, and a park block. PORs were positioned to capture worst-case exposure to transportation noise, with POW PORs located on façades closest to the road sources, and OLA PORs placed within common outdoor areas or parks.

Specific POR heights were chosen based on the building types and typical floor elevations for the proposed Development. For apartment buildings, PORs were positioned on the top residential floors (e.g., 16.5 m above grade for POR1). For townhouse and single-detached units, PORs were placed at the top floor level (e.g., 7.5 m for POR3 and POR6, and 4.5 m for two-storey dwellings such as POR4 and POR7). Park areas were assessed at a POR height of 1.5 m above grade.

A summary of the selected PORs is provided in Table 6 and illustrated in Figure 3.

Table 6: Summary of Selected PORs

PORS	DESCRIPTION	HEIGHT, M
POR1	Block 311 Apartment Building-Top Floor	16.5
POR2	Block 312, School Lot - Two Storey	4.5
POR3	Block 275- Single Detached-Top Floor	4.5
POR4	Block 258-Single Detached -Two Storey	4.5



PORS	DESCRIPTION	HEIGHT, M
POR5	Block 315-Park, outdoor living area	1.5
POR6	Block 288- Towns-Top Floor	7.5
POR7	Block 073-Single Detached -Two Storey	4.5

The exterior noise levels due to roadway traffic were modeled using the MECPC computer-based program STAMSON version 5.04. The model is based on the 'Ontario Road Noise Analysis Method for Environment and Transportation' (ORNAMENT, October 1989). Sixteen-hour daytime, $L_{eq(16)}$ (7:00-23:00) and eight-hour nighttime, $L_{eq(8)}$ (23:00-7:00) equivalent sound levels were calculated at each of the identified PORs.

Sample model results are included in Appendix B.

A summary of the noise impact results without any noise control measures is presented in Table 7.

Table 7: Projected Exterior Sound Levels for Transportation Noise

PORS	TIME OF DAY	PROJECTED SOUND LEVEL, DBA	SOUND CRITERIA, DBA	NOISE CONTROL MEASURES	WARNING CLAUSES
POR1	7:00-23:00	63	$55 \text{ dBA} < L_{eq(16)} \leq 65 \text{ dBA}$	Future Noise study is required at the site plan stage for the apartment building, Note 1	
	23:00-7:00	57	$50 \text{ dBA} < L_{eq(16)} \leq 60 \text{ dBA}$		
POR2	7:00-23:00	55	$L_{eq} < 55 \text{ dBA}$	None	None
	23:00-7:00	49	$L_{eq} < 50 \text{ dBA}$	None	None
POR3	7:00-23:00	53	$L_{eq} < 55 \text{ dBA}$	None	None
	23:00-7:00	47	$L_{eq} < 50 \text{ dBA}$	None	None
POR4	7:00-23:00	52	$L_{eq} < 55 \text{ dBA}$	None	None
	23:00-7:00	46	$L_{eq} < 50 \text{ dBA}$	None	None
POR5	7:00-23:00	56	$55 \text{ dBA} < L_{eq} < 60 \text{ dBA}$	No, Note 2	Type A
POR6	7:00-23:00	55	$55 \text{ dBA} < L_{eq(16)} \leq 65 \text{ dBA}$	Yes, Note 3	Type C



PORS	TIME OF DAY	PROJECTED SOUND LEVEL, DBA	SOUND CRITERIA, DBA	NOISE CONTROL MEASURES	WARNING CLAUSES
	23:00-7:00	49	$L_{eq} < 55$ dBA	None	None
POR7	7:00-23:00	55	$L_{eq} < 55$ dBA	None	None
	23:00-7:00	49	$L_{eq} < 50$ dBA	None	None

Notes:

1. It is recommended that the installation of central air conditioning be implemented. The location and installation of the outdoor air conditioning device should comply with sound level limits of Publication NPC-216, and guidelines contained in Environmental Noise Guidelines for Installation of Residential Air Conditioning Devices. Due to lack of details at this stage, potential traffic noise impacts in future outdoor living areas on Block 311 should be reviewed at the site plan stage and potentially mitigated through site design or noise barriers.
2. This is a park block and warning clause is not required. Warning Clause Type A is required if a dwelling is planned in future.
3. The dwelling should be designed with a provision for the installation of central air conditioning in the future, at the occupant's discretion.



5 Stationary Noise Impact Assessment

5.1 SITE VISIT AND SURROUNDING AREA

A review has been conducted for the potential impacts on the proposed Linksview Development from stationary noise sources in the surrounding area. This review is based on a site visit conducted by Tatham Engineering personnel on June 23, 2025, along with available aerial photography and supporting studies.

In the surrounding area, several industrial and commercial facilities were identified, including the Lafarge Collingwood Ready-Mix plant, Sidelaunch Brewing Company, and the Agnora glass fabrication facility. These facilities are considered Class II industries under the MECP D-6 guideline, which defines a potential influence area of 300 metres for such operations. Given their distance from the Linksview Development, no significant stationary noise impacts are anticipated from these facilities.

However, the Winters Aggregate Pit, located immediately northwest of the Development lands, was identified as a stationary noise source. The Winters Aggregate Pit is classified as a Class III industry under the MECP D-6 guideline, which establishes a potential influence area of up to 1,000 metres. During the site visit, significant stationary noise emissions were documented from the Winters Aggregate Pit's operations.

The adjacent Winters Aggregate Pit owner has raised concerns regarding the potential noise impact of pit operations on the surrounding environment and the Development, in a letter submitted to the Town. The letter has been included in Appendix X.

Given the proximity of the Winters Aggregate Pit to the proposed Development, and in light of the letter from the pit owner raising concerns about noise impacts, a detailed stationary noise assessment was completed. The assessment focused on the noise emissions from the pit operations and their potential impact on the Linksview Development.

5.2 STATIONARY NOISE SOURCES

During the site visit, Tatham Engineering staff conducted on-site interviews with the pit operator to gain a detailed understanding of the Winters Aggregate Pit operations. In addition, on-site noise measurements were performed.

According to the operator, the Winters Aggregate Pit operations include topsoil screening, concrete crushing of demolished materials, acceptance of clean fill, and transportation of materials via haul trucks. The pit previously accepted and processed asphalt materials but no



longer performs asphalt processing. Due to personnel and equipment constraints, the pit typically operates in only one operational mode at any given time.

The following stationary noise sources were included in this assessment:

- One front-end loader
- One excavator
- One primary crusher
- One secondary crusher
- One screening equipment
- Two stackers/conveyors
- Three on-site haul truck routes
 - A maximum of 5 trucks per hour making delivery at Clean Fill Area
 - A maximum of 5 trucks per hour making delivery at Concrete Crushing Area
 - A maximum of 5 trucks per hour making delivery at Top Soil Area

The locations of these noise sources are shown in Figure 4. All equipment was assumed to operate during the daytime only (07:00 to 19:00), with no activity occurring outside this window.

5.2.1 Concrete Crushing Operational Mode

The operator confirmed that the concrete crushing operational mode generates the highest noise emissions at the site. Concrete crushing operation typically occurs once per year during the summer months and lasts approximately 2 to 3 consecutive weeks. Accordingly, the stationary noise assessment focused on this operational mode as the worst-case scenario.

Activities during concrete crushing include:

- Operation of three active haul truck routes handling shipments of clean fill, concrete, and topsoil;
- Truck unloading and idling;
- Front-end loader movement;
- Excavator operation;
- Operation of the primary crusher;
- Operation of the secondary crusher; and
- Stacker and conveyor operation.



The assessment was conducted in accordance with the NPC-300 Environmental Noise Guideline and utilized the CadnaA environmental noise modelling software. Sound power level data used in the modelling were compiled based on measurements taken during the site visit and supplemented by reference data from similar aggregate operations.

5.3 PROJECT SOUND LEVELS

Points of Reception (PORs) were selected for the stationary noise assessment to represent locations within the proposed Linksview Development that are likely to experience higher noise levels from the Winters Aggregate Pit operations, due to their proximity to the pit.

It should be noted that the PORs selected for the stationary noise assessment (Section 5) differ from those chosen for the transportation noise assessment (Section 4). Transportation noise PORs were selected to capture worst-case exposure from road traffic sources and include apartment buildings, townhouses, and parks at various heights. In contrast, stationary noise PORs were selected specifically to assess potential impacts from operations at the Winters Aggregate Pit, with PORs concentrated in areas closest to the pit. This distinction ensures that each noise source is evaluated accurately in relation to the most affected parts of the proposed Development.

POR heights were selected based on the layout of the Development, where the blocks closest to the pit are predominantly single detached dwellings and townhouse blocks. For these PORs:

- Outdoor Living Areas (OLAs) were assessed at a height of 1.5 meters, representing typical backyard use.
- Plane of Window (POW) PORs were assessed at a height of 4.5 meters, corresponding to second-story windows on single detached dwellings.

A summary of the selected PORs is provided in Table 8 and illustrated in Figure 5.

Table 8: Summary of Selected PORs

PORS	DESCRIPTION	HEIGHT, M
POR1-OLA	Block 001, Single Detached -Outdoor Living Area	1.5
POR1-POW	Block 001, Single Detached -Second Story Plane of Window	4.5
POR2-OLA	Block 010, Single Detached -Outdoor Living Area	1.5
POR2-POW	Block 010, Single Detached -Second Story Plane of Window	4.5
POR3-OLA	Block 021, Single Detached -Outdoor Living Area	1.5



PORS	DESCRIPTION	HEIGHT, M
POR3-POW	Block 021, Single Detached -Second Story Plane of Window	4.5
POR4-OLA	Block 289, Towns -Outdoor Living Area	1.5
POR4-POW	Block 289, Towns -Second Story Plane of Window	4.5
POR5-POW	Block 295, Towns -Second Story Plane of Window	4.5
POR6-POW	Block 280, Towns -Second Story Plane of Window	4.5
POR7-POW	Block 212, Single Detached -Second Story Plane of Window	4.5
POR8-POW	Block 042, Single Detached -Second Story Plane of Window	4.5
POR9-POW	Block 247, Single Detached -Second Story Plane of Window	4.5

The exterior noise levels due to stationary noise sources from the Winters Aggregate Pit were modelled using the CadnaA environmental noise modelling software. The assessment focused on daytime operations between 07:00 and 19:00 hours, consistent with the operational schedule of the pit.

The model calculated one-hour equivalent sound levels (Leq (1-hr)) at each of the identified PORs for the concrete crushing operational mode, which represents the worst-case noise scenario for the facility.

Sample model outputs are provided in Appendix C.

A summary of the predicted stationary noise impacts, without any noise control measures, is presented in Table 9.

Table 9: Projected Exterior Sound Levels for Stationary Noise Sources- Without Mitigation

PORS	TIME OF DAY	PROJECTED SOUND LEVEL, dBA	SOUND CRITERIA, dBA	NOISE CONTROL MEASURES	IN COMPLIANCE?
POR1-OLA	7:00-23:00	54.8	55	Uncontrolled	Yes
POR1-POW	7:00-23:00	55.8	60	Uncontrolled	Yes
POR2-OLA	7:00-23:00	52.9	55	Uncontrolled	Yes
POR2-POW	7:00-23:00	54.0	60	Uncontrolled	Yes



PORS	TIME OF DAY	PROJECTED SOUND LEVEL, dBA	SOUND CRITERIA, dBA	NOISE CONTROL MEASURES	IN COMPLIANCE?
POR3-OLA	7:00-23:00	51.6	55	Uncontrolled	Yes
POR3-POW	7:00-23:00	52.8	60	Uncontrolled	Yes
POR4-OLA	7:00-23:00	53.8	55	Uncontrolled	Yes
POR4-POW	7:00-23:00	54.9	60	Uncontrolled	Yes
POR5-POW	7:00-23:00	52.9	60	Uncontrolled	Yes
POR6-POW	7:00-23:00	49.2	60	Uncontrolled	Yes
POR7-POW	7:00-23:00	50.4	60	Uncontrolled	Yes
POR8-POW	7:00-23:00	47.1	60	Uncontrolled	Yes
POR9-POW	7:00-23:00	47.4	60	Uncontrolled	Yes

The results of the stationary noise modelling indicate that operations at the Winters Aggregate Pit, particularly during concrete crushing activities, are projected to generate sound levels that meet the proposed NPC-300 Class 4 criteria within the proposed Linksview Development during daytime hours (07:00–19:00).

It should be noted that the dwellings within the development should be designed with central air conditioning systems as the noise limits for a Class 4 area are based on a closed window assumption.



6 Discussion and Noise Control Measures

6.1 TRANSPORTATION NOISE DISCUSSION

6.1.1 Outdoor Living Area Noise Control Measures

The modelling results indicate that sixteen-hour daytime sound levels (Leq 16) at most outdoor living areas (OLAs) across the proposed Linksview Development are projected to be below the MECP guideline limit of 55 dBA. However, POR5, representing the park outdoor living area, is projected to experience a daytime sound level of 56 dBA; no noise barriers are required for this POR and given the nature of the park no warning clause is recommended.

Therefore, no specific noise mitigation measures are recommended for outdoor living areas beyond standard urban design considerations.

6.1.2 Indoor Living Space Ventilation and Warning Clauses

The results of the STAMSON modelling indicate that transportation-related sound levels at the façades of several residential buildings are projected to exceed NPC-300 sound level criteria for indoor living spaces. Specifically:

- POR1 (Block 311 Apartment Building) – Future Apartment Building Block (layout pending)
 - Daytime (07:00–23:00): 63 dBA
 - Nighttime (23:00–07:00): 57 dBA
- POR6 (Block 288 Townhouses – Top Floor)
 - Daytime (07:00–23:00): 55.24 dBA

The predicted noise levels at these façades triggers requirements for ventilation and warning clauses to maintain acceptable indoor sound levels.

PORs were selected to represent blocks with similar location and design characteristics within the Development. It is recommended that the same warning clauses and noise mitigation measures be applied to other blocks that share similar proximity to roads, building heights, and façade orientations.

Therefore, the following measures are recommended:

- All units in Block 288 Townhouses should be designed with provisions for future installation of central air conditioning, at the occupant's discretion, to allow windows and exterior doors to remain closed for noise control.



- Warning Clause Type C is recommended to be included in all purchase and lease agreements for all units in Block 288 Townhouses. The recommended wording is:
 - “This dwelling unit has been designed with the provision for adding central air conditioning at the occupant’s discretion. Installation of central air conditioning by the occupant in low and medium density developments will allow windows and exterior doors to remain closed, thereby ensuring that the indoor sound levels are within the sound level limits of the Municipality and the Ministry of the Environment.”
- All units in Block 311 apartment building should be provided with central air conditioning. The placement and installation of outdoor air conditioning equipment should meet the sound level limits of Publication NPC-216 and guidelines contained in Environmental Noise Guidelines for Installation of Residential Air Conditioning Devices. At the site plan stage, potential traffic noise impacts on future outdoor living areas in Block 311 must be reviewed and addressed through site design or noise barriers.

All other areas of the Linksview Development are projected to meet applicable criteria for transportation noise without additional indoor noise control measures or warning clauses.

Building envelope components, including exterior walls, windows, and doors, meeting the Ontario Building Code (OBC) minimum requirements are expected to provide sufficient sound insulation for the remainder of the Development. A revised noise study may be required at the site plan stage and when the grading design is finalized.

6.2 STATIONARY NOISE DISCUSSION

Noise modelling for the Winters Aggregate Pit confirms that stationary noise levels from pit operations meet the MECP NPC-300 Class 4 limit. Figure 6 illustrates the noise contour plot and predicted sound levels at the assessed PORs.

Among the operational scenarios evaluated, the Concrete Crushing Operation (2-3 weeks per year) was identified as the most significant noise source, generating the highest projected noise levels and representing the worst-case scenario for stationary noise impacts on the Development.

As shown on Figure 6, all units located within the noise contours where predicted sound levels exceed 50dBA should be designed with central air conditioning to allow windows and doors to remain closed. In addition, the following Class 4 warning clauses are recommended for these areas.

- Type E: “Purchasers/tenants are advised that due to the proximity of the adjacent industry (Winters Aggregate Pit), noise from the industry may at times be audible.”



- Type F: "Purchasers/tenants are advised that sound levels due to the adjacent industry (Winters Aggregate Pit) are required to comply with sound level limits that are protective of indoor areas and are based on the assumption that windows and exterior doors are closed. This dwelling unit has been supplied with a ventilation/air conditioning system which will allow windows and exterior doors to remain closed."

The Type E and F warning clauses as well as supplying the units with central air conditioning systems are recommended for all units or blocks situated within noise contours where predicted sound levels exceed 50 dBA. Refer to Figure 6 and Figure 7 for lots requiring air conditioning provisions and warning clauses.



7 Impact of the Development on Itself and on Surrounding Environment

Based on the noise environment of the area, the Linksview Development is anticipated to have a negligible impact on the neighbouring properties.

Air conditioning systems for the apartment building should be designed, selected and installed to meet the requirements of NPC-216- *Residential Air Conditioning Devices*.



8 Summary

A Noise Impact Study was conducted for the proposed Linksview Development in Collingwood, Ontario, to assess environmental noise from transportation and stationary sources and identify necessary mitigation measures in compliance with MECP NPC-300 guidelines. A revised noise study may be required at the site plan stage when the grading design is finalized.

Transportation Noise:

- Traffic noise from Tenth Line and Sixth Street was modelled for projected 2035 volumes.
- Outdoor living areas generally meet noise limits. No barriers or warning clauses are recommended for outdoor living areas.
- As shown in Figure 3, indoor noise levels at the façades of some buildings, notably POR6 (Block 288 Townhouses), exceed guidelines. The following units require provision for future air conditioning and Warning Clause Type C in agreements.
 - Block 288 all townhouses.
- Block 311 has not advanced enough for a complete noise impact study. A revised noise study will be required at the site plan stage to confirm indoor noise requirements, determine HVAC noise controls, and evaluate potential noise impacts on any future outdoor living areas.

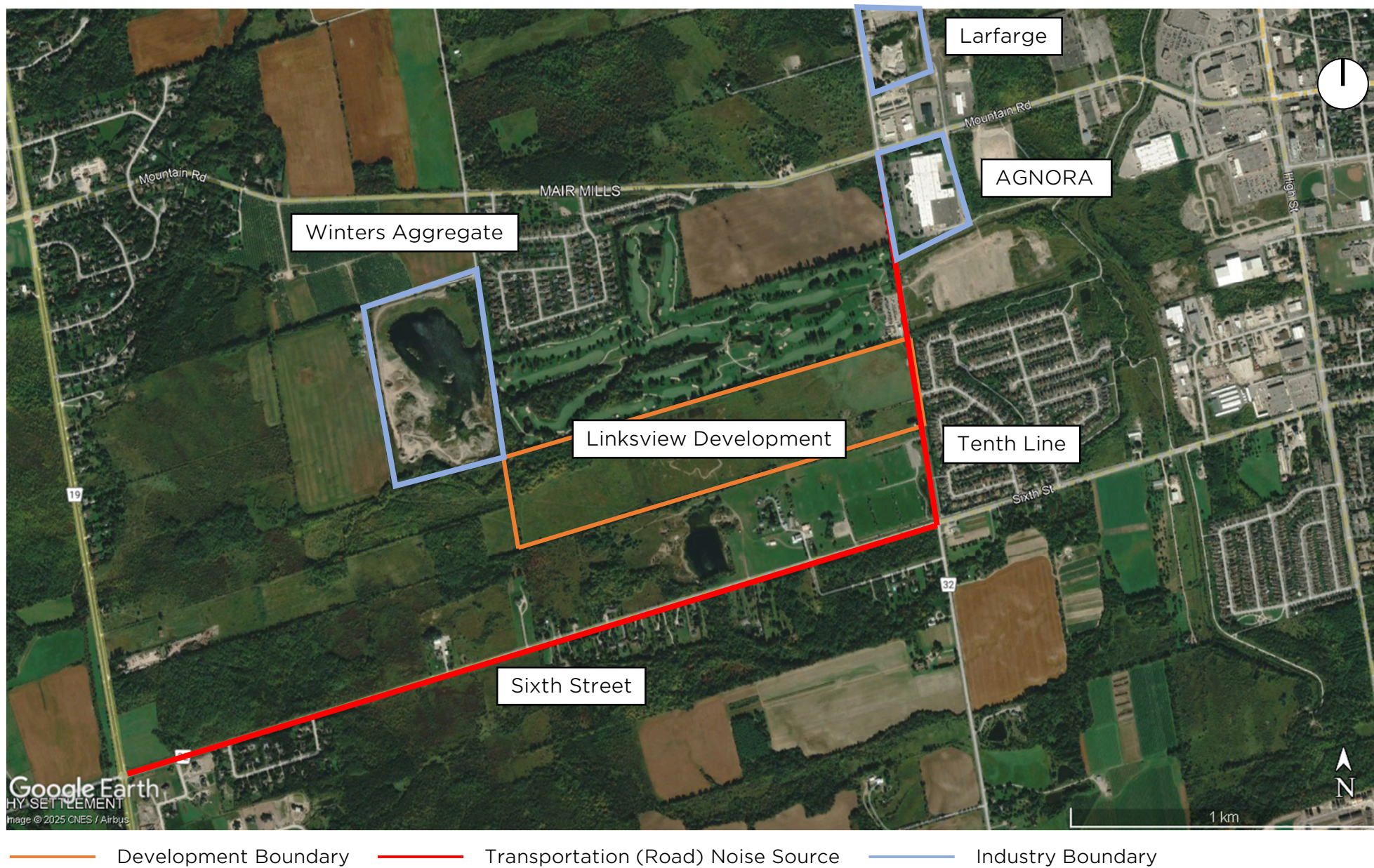
Stationary Noise:

- The Winters Aggregate Pit, adjacent to the site, generates significant stationary noise, particularly during concrete crushing operations.
- The predicted sound levels meet the Class 4 limit at Points of Receptions within the Development.
- With reference to Figure 6 and 7, all units situated within noise contours where predicted sound levels exceed 50dBA should be provided with central air conditioning and require Warning Clause Type E and F in agreements.
 - Block 001 to 033 single detached, all units.
 - Block 289 to 298, all townhouses.
 - Block 197 to 229 single detached, all units.
 - Block 154 to 163 single detached, all units
 - Block 172 to 176 single detached, all units.



- Block 074 to 086 single detached, all units
- Block 276 to 279, all townhouses.

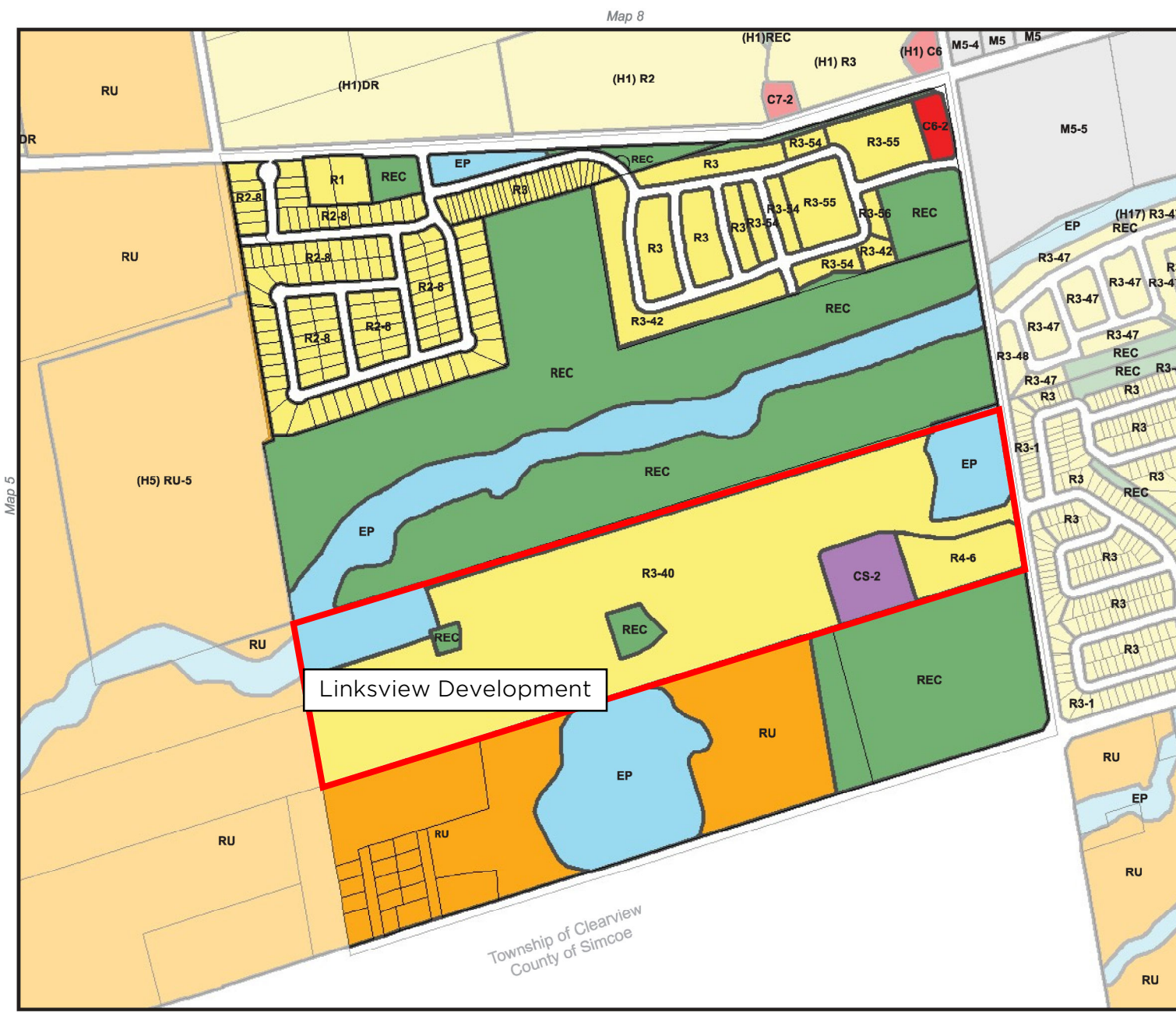




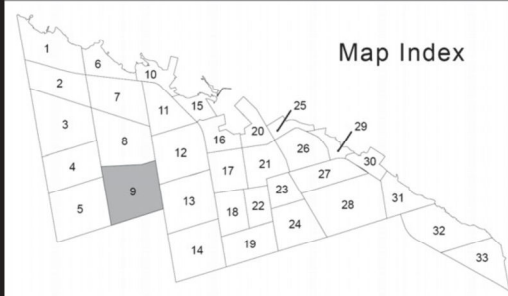
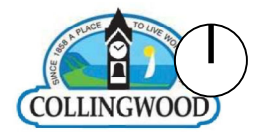
Linksview - 780 Tenth Line Collingwood, ON - Noise Impact Study

Figure 1. Site Plan and Surrounding Environment





Collingwood Zoning By-Law Schedule 'A' - Map 9



REVISIONS

No.	Date	By-law
1	April 29, 2013	By-Law No. 2013-038
2	December 7, 2015	By-Law No. 2015-102
3	June 25, 2018	By-Law No. 2018-052
4		
5		
6		
7		
8		
9		
10		

1:7000
0 25 50 100 150 200 250 Metres

Revised by:
RS

Produced by the Town of Collingwood, Planning Services.
The information contained herein is believed to be correct,
however, the Town assumes no liability for negligence, inaccuracies
or omissions. This drawing is not a legal survey.

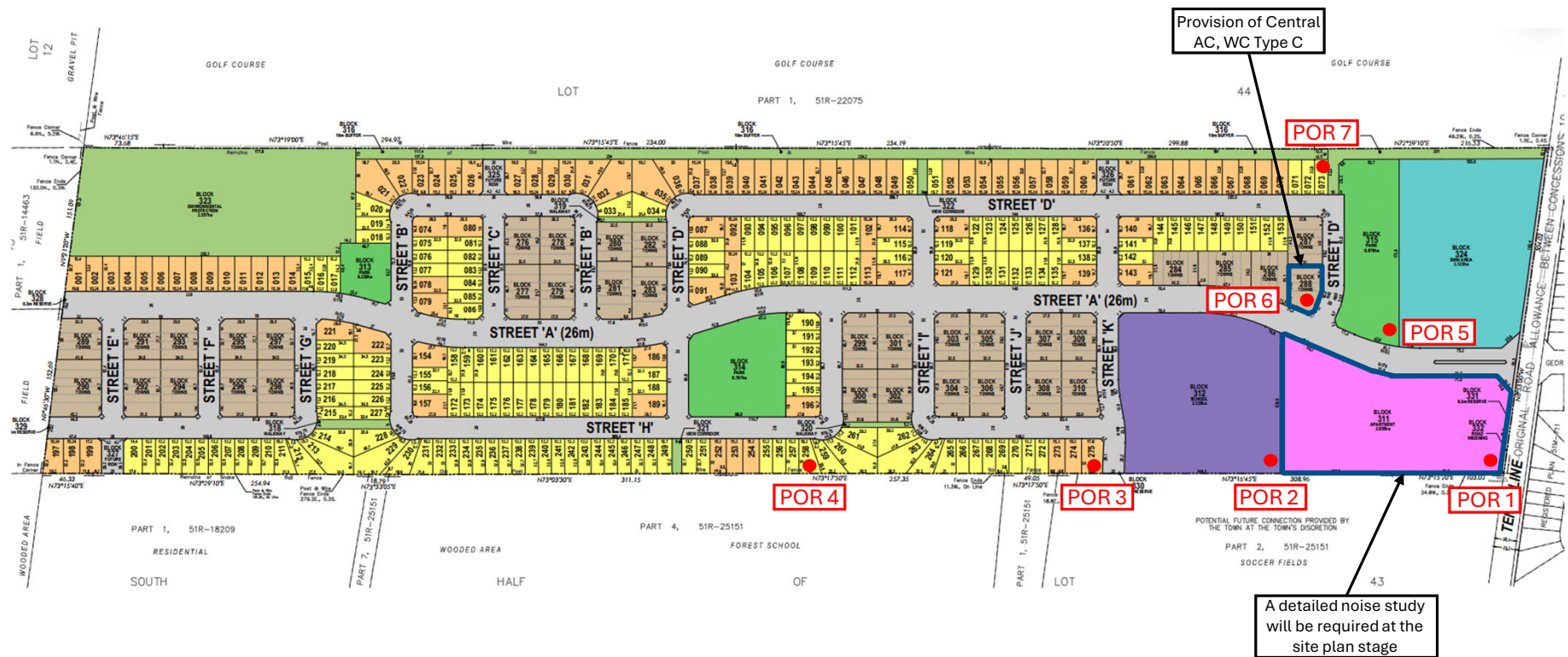
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The Ontario Ministry of Natural Resources (Copyright - Queens Printer 2007).
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THIS IS NOT A PLAN OF SURVEY.

Linksview - 780 Tenth Line Collingwood, ON - Noise Impact Study

Figure 2. Zoning Plan



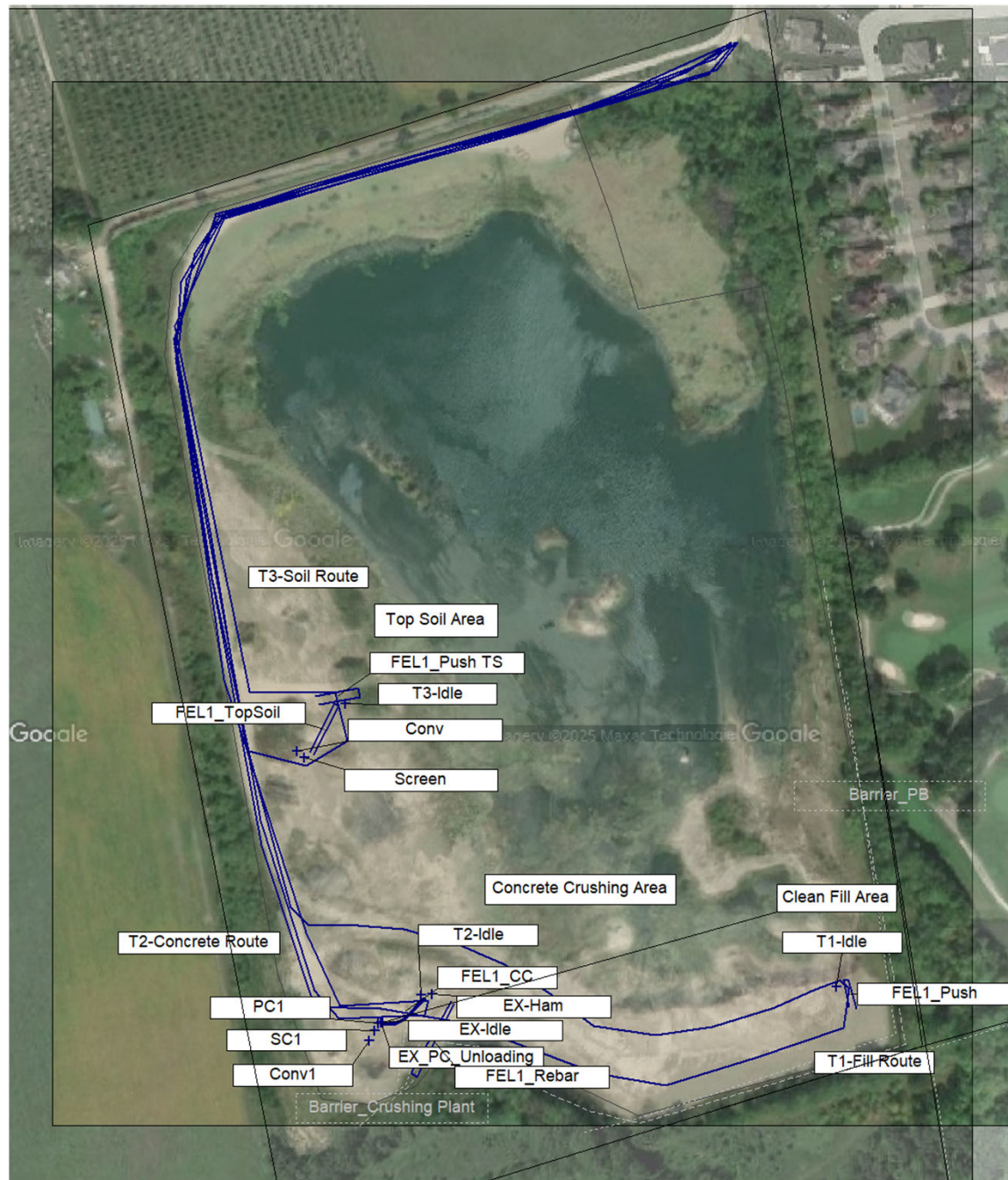
Transportation (Road)
Point of Reception



Linksvlew - 780 Tenth Line Collingwood, ON - Noise Impact Study

Figure 3. Transportation Noise Receptor Locations and Assessment Results





Linksview - 780 Tenth Line Collingwood, ON - Noise Impact Study

Figure 4. Locations of Stationary Noise Sources at Winters Aggregate Pit



Winter
Aggregate
Pit



POW - Plane of Window
OLA - Outdoor Living Area

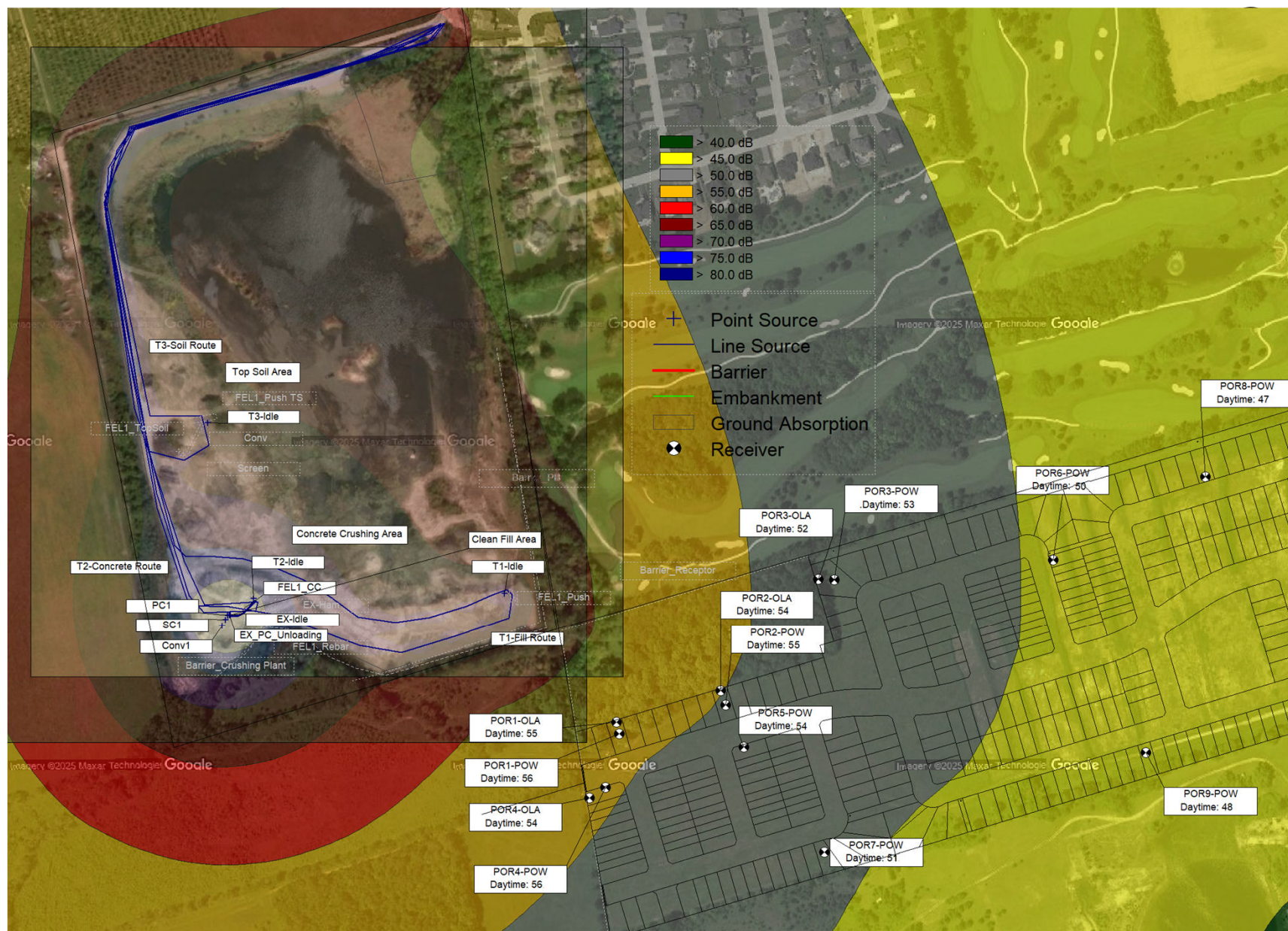
Stationary Noise
Point of Reception

Linksvlew - 780 Tenth Line Collingwood, ON - Noise Impact Study

Figure 5. Locations of Points of Reception (PORs) for Stationary Noise Assessment







Linksview - 780 Tenth Line Collingwood, ON - Noise Impact Study

Figure 6. Stationary Noise Contour Plot - Concrete Crushing Operation (Unmitigated)



Appendix A: Development Site Plan



LAND USE SUMMARY			
LAND USE	LOT / BLOCK #	UNITS	AREA
SINGLE DETACHED - 40R / 12.2m LOTS	015-020, 033, 034, 050, 051, 071-073, 075-077, 081-086, 088-090, 093-101, 104-112, 115, 116, 119, 120, 122-135, 137, 138, 141, 142, 144-153, 155, 156, 158-165, 187, 188, 190-195, 200-220, 223-251, 255-272	181	7.717ha
SINGLE DETACHED - 50R / 15.24m LOTS	001-014, 021-032, 035-049, 052-070, 074, 078-080, 087, 091, 092, 102, 103, 113, 114, 117, 118, 121, 136, 139, 140, 143, 154, 157, 189, 189, 196-199, 221, 222, 252-254, 273-275	94	5.343ha
TOWNHOUSE - 24.67m / 7.52m UNITS	276-310	184	5.443ha
APARTMENT (MIN. 55 UPH / MAX. 90 UPH)	311	(MIN. 113) (MAX. 185)	2.056ha
SCHOOL	312		2.128ha
PARK (5%)	313-315		1.905ha
10m BUFFER	316		0.898ha
EMERGENCY EXIT	317		0.234ha
WALKWAY	318-320		0.123ha
VIEW CORRIDOR	321-322		0.058ha
ENVIRONMENTAL PROTECTION	323		2.557ha
STORMWATER MANAGEMENT AREA	324		2.125ha
FUTURE RIGHT OF WAY	325-327		0.198ha
0.3m RESERVE	328-331		0.005ha
ROAD WIDENING	332		0.091ha
RIGHT OF WAY	A, B, C, D, E, F, G, H, I, J, K		9.787ha
TOTALS		459 (MIN. 572) (MAX. 644)	40.660ha

LEGAL DESCRIPTION

NORTH HALF OF LOT 43
CONCESSION 11
GEOGRAPHIC TOWNSHIP OF NOTTAWASAGA
TOWN OF COLLINGWOOD
COUNTY OF SIMCOE

KEY PLAN

ADDITIONAL INFORMATION REQUIRED UNDER SECTION 51(17) OF THE PLANNING ACT R.S.O. 1990 C.P.13 AS AMENDED

A. AS SHOWN	F. AS SHOWN	K. ALL SERVICES AS REQUIRED
B. AS SHOWN	G. AS SHOWN	(WATER, SANITARY,
C. AS SHOWN	H. MUNICIPAL WATER SUPPLY	STORMWATER, HYDRO)
D. AS SHOWN	I. CLAY/LOAM	L. AS SHOWN
E. AS SHOWN	J. AS SHOWN	

OWNER'S CERTIFICATE

I HEREBY AUTHORIZE MACNAUGHTON HERMSEN BRITTON CLARKSON PLANNING LIMITED TO SUBMIT THIS PLAN FOR APPROVAL.

DATE: _____

SURVEYOR'S CERTIFICATE

I HEREBY CERTIFY THAT THE BOUNDARIES OF THE LAND TO BE SUBDIVIDED ON THIS PLAN AND THEIR RELATIONSHIP TO THE ADJACENT LANDS ARE ACCURATELY AND CORRECTLY SHOWN.

DATE: _____

No. 1 FEB. 2, 2026 REDLINE DRAFT PLAN REVISION M.M.

REVISION No. DATE ISSUED / REVISION BY

LEGEND

- SUBDIVISION BOUNDARY
- ROW LINE
- BLOCK LINE
- LOT LINE
- UNIT LINE
- PARCEL FABRIC

113 COLLIER STREET
BARRIE, ON, L4M 1H2
P: 705.728.0045 F: 705.728.2010
WWW.MHBCPLAN.COM

STAMP

PROJECT: **LINKSVIEW SUBDIVISION**
RAYVILLE DEVELOPMENTS (LEGACY) INC.

DATE: **MAY 26, 2025**

FILE No. **18138B**

SCALE: **1:1,800**
(ARCH D)

DRAWN BY: **M.M.**

CHECKED BY: **K.C.**

OTHER: _____

FILE NAME: **DRAFT PLAN OF SUBDIVISION**

DWG No. **1 of 1**

SCALE BAR: 0 8 16 24 32 40 60 80 120 160m

MEASUREMENTS SHOWN ON THIS PLAN ARE IN METRES AND CAN BE CONVERTED TO FEET BY DIVIDING BY 0.3048

B:\Collingwood\Linksvie -Devonleigh Homes - Draft Plan Due Diligence - 233678\Drawings\Draft Plan\CAD\233678 - Draft Plan Redline - 2026-02-02.dwg

Appendix B: Transportation STAMSON Model Sample Calculation

Filename: POR1.te Time Period: Day/Night 16/8 hours
Description:

Road data, segment # 1: Tenth line (day/night)

Car traffic volume : 6660/810 veh/TimePeriod
Medium truck volume : 370/45 veh/TimePeriod
Heavy truck volume : 370/45 veh/TimePeriod
Posted speed limit : 50 km/h
Road gradient : 2 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 1: Tenth line (day/night)

Angle1 Angle2 : -90.00 deg 90.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 2 (Reflective ground surface)
Receiver source distance : 30.00 / 30.00 m
Receiver height : 16.50 / 16.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00



Road data, segment # 2: Sixth-60 km (day/night)

Car traffic volume : 5940/720 veh/TimePeriod
Medium truck volume : 330/40 veh/TimePeriod
Heavy truck volume : 330/40 veh/TimePeriod
Posted speed limit : 60 km/h
Road gradient : 2 %
Road pavement : 1 (Typical asphalt or concrete)

Data for Segment # 2: Sixth-60 km (day/night)

Angle1 Angle2 : -90.00 deg 45.00 deg
Wood depth : 0 (No woods.)
No of house rows : 0 / 0
Surface : 1 (Absorptive ground surface)
Receiver source distance : 320.00 / 320.00 m
Receiver height : 16.50 / 16.50 m
Topography : 1 (Flat/gentle slope; no barrier)
Reference angle : 0.00



Road data, segment # 3: Sixth-80km (day/night)

```

-----
Car traffic volume : 5940/720   veh/TimePeriod
Medium truck volume : 330/40    veh/TimePeriod
Heavy truck volume  : 330/40    veh/TimePeriod
Posted speed limit  : 80 km/h
Road gradient       : 2 %
Road pavement       : 1 (Typical asphalt or concrete)

```

Data for Segment # 3: Sixth-80km (day/night)

```

-----
Angle1  Angle2      : 45.00 deg  90.00 deg
Wood depth          : 0          (No woods.)
No of house rows    : 0 / 0
Surface             : 1          (Absorptive ground surface)
Receiver source distance : 320.00 / 320.00 m
Receiver height      : 16.50 / 16.50 m
Topography          : 1          (Flat/gentle slope; no barrier)
Reference angle      : 0.00

```

↑

Results segment # 1: Tenth line (day)

Source height = 1.50 m

ROAD (0.00 + 63.18 + 0.00) = 63.18 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	66.19	0.00	-3.01	0.00	0.00	0.00	0.00	63.18

Segment Leq : 63.18 dBA

↑

Results segment # 2: Sixth-60 km (day)

Source height = 1.50 m

ROAD (0.00 + 48.79 + 0.00) = 48.79 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	45	0.21	66.53	0.00	-16.08	-1.65	0.00	0.00	0.00	48.79

Segment Leq : 48.79 dBA

↑

Results segment # 3: Sixth-80km (day)

Source height = 1.50 m

ROAD (0.00 + 45.80 + 0.00) = 45.80 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
45	90	0.21	68.99	0.00	-16.08	-7.10	0.00	0.00	0.00	45.80

Segment Leq : 45.80 dBA

Total Leq All Segments: 63.41 dBA

↑

Results segment # 1: Tenth line (night)

Source height = 1.50 m

ROAD (0.00 + 57.04 + 0.00) = 57.04 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	90	0.00	60.05	0.00	-3.01	0.00	0.00	0.00	0.00	57.04

Segment Leq : 57.04 dBA

↑

Results segment # 2: Sixth-60 km (night)

Source height = 1.50 m

ROAD (0.00 + 42.64 + 0.00) = 42.64 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
-90	45	0.21	60.38	0.00	-16.08	-1.65	0.00	0.00	0.00	42.64

Segment Leq : 42.64 dBA

↑

Results segment # 3: Sixth-80km (night)

Source height = 1.50 m

ROAD (0.00 + 39.65 + 0.00) = 39.65 dBA

Angle1	Angle2	Alpha	RefLeq	P.Adj	D.Adj	F.Adj	W.Adj	H.Adj	B.Adj	SubLeq
--------	--------	-------	--------	-------	-------	-------	-------	-------	-------	--------

45	90	0.21	62.84	0.00	-16.08	-7.10	0.00	0.00	0.00	39.65
----	----	------	-------	------	--------	-------	------	------	------	-------

Segment Leq : 39.65 dBA

Total Leq All Segments: 57.27 dBA



TOTAL Leq FROM ALL SOURCES (DAY): 63.41
(NIGHT): 57.27



Appendix C: Stationary Noise Modelling Parameters

Point Source Data

Name	Sel.	M.	ID	Result. PWL	Lw / Li		Correction	Sound Reduction		Attenuation	Operating Time	K0	Freq.	Direct.	Height	Coordinates		
				Day	Type	Value	norm.	Day	R	Area	Day					X	Y	Z
				(dBA)			dB(A)	dB(A)		(m²)	(min)	(dB)	(Hz)		(m)	(m)	(m)	(m)
Heavy Truck Idle - Clean Fill			!01!T1_Idle	100.9	Lw	HeavyTruck_idle		0			10	0		(none)	3 r	17558318.21	4926676.61	213
Heavy Truck Idle - Concrete			!01!T2_Idle	100.9	Lw	HeavyTruck_idle		0			5	0		(none)	3 r	17558077.23	4926678.49	213
Heavy Truck Idle - Soil			!01!T3_Idle	100.9	Lw	HeavyTruck_idle		0			5	0		(none)	3 r	17558035.16	4926847.19	213
Primary Crusher 1			!00!PC1	113.1	Lw	Primary_Crusher		0				0		(none)	3 r	17558047.5	4926659.57	213
Secondary Crusher 1			!00!SC1	114.6	Lw	Secondary_Crusher_2		0				0		(none)	3 r	17558047.76	4926656.74	213
Staker/Conveyor			!00!Conv1	82.7	Lw	Conveyor		0				0		(none)	4 r	17558048.32	4926650.28	214.04
Concrete dumping into PC			!00!EX_PC_Unloading	123	Lw	Loader_dumping_into_crusher		0			10	0		(none)	3 r	17558048.92	4926659.18	213
Excavator Hammering Concrete Blocks		~	!03!EX_Ham	121.6	Lw	Excavator_Hammer_Concrete		10			20	0		(none)	1 r	17558074.65	4926679.91	211
Excavator Idle			!00!EX_Idle	96.5	Lw	Loader_Idle_HL780_9		0				0		(none)	3 r	17558055.02	4926662.17	213
Screen Topsoil		~	!02!Screen	110	Lw	Screen		0				0		(none)	4 r	17558011.23	4926816.01	214
Conveyor Top Soil		~	!02!Conv	82.7	Lw	Conveyor		0				0		(none)	4 r	17558007	4926819.82	214

Line Source Data

Name	SeL	M.	ID	Result. PWL			Result. PWL'			Lw / Li		Correction	Sound Reduction		Attenuation	Operating Time	K0	Freq.	Direct.	Moving Pt. Src			Speed
				Day	Evening	Night	Day	Evening	Night	Type	Value	norm.	Day	R	Area	Day				Number			
				(dBA)	(dBA)	(dBA)	(dBA)	(dBA)	(dBA)			dB(A)	dB(A)		(m ²)	(min)	(dB)	(Hz)		Day	Evening	Night	(km/h)
Heavy Truck - Clean Fill Route			!01!T1_Fill_Route	109	2.1	2.1	75.6	-31.4	-31.4	PWL-Pt	HaulTruck_Road_Full		0				0	(none)		5	0	0	20
Heavy Truck - Concrete Route			!01!T2_Concrete_Route	108	1	1	75.6	-31.4	-31.4	PWL-Pt	HaulTruck_Road_Full		0				0	(none)		5	0	0	20
Heavy Truck - Top Soil			!01!T3_Soil_Route	107	0	0	75.6	-31.4	-31.4	PWL-Pt	HaulTruck_Road_Full		0				0	(none)		5	0	0	20
Front End Loader-Concrete Crushing Route			!00!FEL1_CC	97.4	-15.6	-15.6	79.6	-33.5	-33.5	PWL-Pt	Loader_Pushing_HL780_9		0				0	(none)		20	0	0	10
Front End Loader-Pushing Clean Fill	~		!03!FEL1_Push	95.2	-17.8	-17.8	79.6	-33.5	-33.5	PWL-Pt	Loader_Pushing_HL780_9		0			15	0	(none)		20	0	0	10
Front End Loader-Pushing Top Soil	~		!03!FEL1_Push_TS	97	-16	-16	79.6	-33.5	-33.5	PWL-Pt	Loader_Pushing_HL780_9		0			20	0	(none)		20	0	0	10
Front End Loader-Dump Rebar	~		!03!FEL1_Rebar	84.7	-18.3	-18.3	65.2	-37.8	-37.8	PWL-Pt	Loader_Moving_HL780_9		0			5	0	(none)		2	0	0	10
Front End Loader-Top Soil	~		!02!FEL1_TopSoil	97.8	-15.2	-15.2	79.6	-33.5	-33.5	PWL-Pt	Loader_Pushing_HL780_9		0				0	(none)		20	0	0	10

Concrete Crushing Mode - POR Data

Name	Sel.	M.	ID	Level Lr	Limit. Value	Height		Coordinates		
				Day	Day			X	Y	Z
				(dBA)	(dBA)	(m)		(m)	(m)	(m)
POR1-OLA			POR1_OLA	54.8	55	1.5	r	17558401.87	4926541.21	211.5
POR1-POW			POR1_POW	55.8	60	4.5	r	17558405.34	4926528.85	214.5
POR2-OLA			POR2_OLA	52.9	55	1.5	r	17558534	4926577.21	211.5
POR2-POW			POR2_POW	54	60	4.5	r	17558537.66	4926567.17	214.5
POR3-OLA			POR3_OLA	51.6	55	1.5	r	17558626.7	4926691.85	210.86
POR3-POW			POR3_POW	52.8	60	4.5	r	17558642.49	4926691.18	213.73
POR4-OLA			POR4_OLA	53.8	55	1.5	r	17558405.48	4926480.19	211.5
POR4-POW			POR4_POW	54.9	60	4.5	r	17558421.11	4926490.46	214.5
POR5-POW			POR5_POW	52.9	60	4.5	r	17558555.14	4926529.14	214.5
POR6-POW			POR6_POW	49.2	60	4.5	r	17558853.98	4926710.38	211.92
POR7-POW			POR7_POW	50.4	60	4.5	r	17558632.62	4926427.68	214.5
POR8-POW			POR8_POW	47.1	60	4.5	r	17559001.33	4926791.05	209.47
POR9-POW			POR9_POW	47.4	60	4.5	r	17558944	4926523.69	213.52

Receiver
Name: POR1-OLA
ID: POR1_OLA
X: 17558401.87 m
Y: 4926541.21 m
Z: 211.50 m

Point Source, ISO 9613, Name: "Secondary Crusher 1", ID: "I00!SC1"

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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
5	17558047.76	4926656.74	213.00	0	DEN	32	62.9	0.0	0.0	0.0	0.0	62.4	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	5.4
5	17558047.76	4926656.74	213.00	0	DEN	63	82.7	0.0	0.0	0.0	0.0	62.4	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	25.1
5	17558047.76	4926656.74	213.00	0	DEN	125	95.6	0.0	0.0	0.0	0.0	62.4	0.2	2.7	0.0	0.0	0.0	0.0	0.0	30.3
5	17558047.76	4926656.74	213.00	0	DEN	250	102.2	0.0	0.0	0.0	0.0	62.4	0.4	8.1	0.0	0.0	0.0	0.0	0.0	31.2
5	17558047.76	4926656.74	213.00	0	DEN	500	106.4	0.0	0.0	0.0	0.0	62.4	0.7	4.3	0.0	0.0	0.0	0.0	0.0	38.9
5	17558047.76	4926656.74	213.00	0	DEN	1000	110.5	0.0	0.0	0.0	0.0	62.4	1.4	-0.1	0.0	0.0	0.0	0.0	0.0	46.8
5	17558047.76	4926656.74	213.00	0	DEN	2000	108.6	0.0	0.0	0.0	0.0	62.4	3.6	-0.8	0.0	0.0	0.0	0.0	0.0	43.3
5	17558047.76	4926656.74	213.00	0	DEN	4000	105.6	0.0	0.0	0.0	0.0	62.4	12.2	-0.8	0.0	0.0	0.0	0.0	0.0	31.7
5	17558047.76	4926656.74	213.00	0	DEN	8000	97.9	0.0	0.0	0.0	0.0	62.4	43.5	-0.8	0.0	0.0	0.0	0.0	0.0	-7.3

Point Source, ISO 9613, Name: "Primary Crusher 1", ID: "I00!PC1"

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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
12	17558047.50	4926659.57	213.00	0	DEN	32	76.4	0.0	0.0	0.0	0.0	62.4	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	18.9
12	17558047.50	4926659.57	213.00	0	DEN	63	93.7	0.0	0.0	0.0	0.0	62.4	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	36.1
12	17558047.50	4926659.57	213.00	0	DEN	125	96.1	0.0	0.0	0.0	0.0	62.4	0.2	2.7	0.0	0.0	0.0	0.0	0.0	30.8
12	17558047.50	4926659.57	213.00	0	DEN	250	98.7	0.0	0.0	0.0	0.0	62.4	0.4	8.0	0.0	0.0	0.0	0.0	0.0	27.8
12	17558047.50	4926659.57	213.00	0	DEN	500	106.0	0.0	0.0	0.0	0.0	62.4	0.7	4.3	0.0	0.0	0.0	0.0	0.0	38.5
12	17558047.50	4926659.57	213.00	0	DEN	1000	108.7	0.0	0.0	0.0	0.0	62.4	1.4	-0.1	0.0	0.0	0.0	0.0	0.0	45.0
12	17558047.50	4926659.57	213.00	0	DEN	2000	107.4	0.0	0.0	0.0	0.0	62.4	3.6	-0.8	0.0	0.0	0.0	0.0	0.0	42.1
12	17558047.50	4926659.57	213.00	0	DEN	4000	102.5	0.0	0.0	0.0	0.0	62.4	12.2	-0.8	0.0	0.0	0.0	0.0	0.0	28.6
12	17558047.50	4926659.57	213.00	0	DEN	8000	97.2	0.0	0.0	0.0	0.0	62.4	43.7	-0.8	0.0	0.0	0.0	0.0	0.0	-8.1

Point Source, ISO 9613, Name: "Concrete dumping into PC", ID: "I00!EX_PC_Unloading"

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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
14	17558048.92	4926659.18	213.00	0	D	32	76.0	0.0	-7.8	0.0	0.0	62.4	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	10.7
14	17558048.92	4926659.18	213.00	0	D	63	94.1	0.0	-7.8	0.0	0.0	62.4	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	28.8
14	17558048.92	4926659.18	213.00	0	D	125	106.1	0.0	-7.8	0.0	0.0	62.4	0.2	2.7	0.0	0.0	0.0	0.0	0.0	33.0
14	17558048.92	4926659.18	213.00	0	D	250	111.4	0.0	-7.8	0.0	0.0	62.4	0.4	8.1	0.0	0.0	0.0	0.0	0.0	32.7
14	17558048.92	4926659.18	213.00	0	D	500	115.1	0.0	-7.8	0.0	0.0	62.4	0.7	4.3	0.0	0.0	0.0	0.0	0.0	39.9
14	17558048.92	4926659.18	213.00	0	D	1000	118.5	0.0	-7.8	0.0	0.0	62.4	1.4	-0.1	0.0	0.0	0.0	0.0	0.0	47.0
14	17558048.92	4926659.18	213.00	0	D	2000	117.8	0.0	-7.8	0.0	0.0	62.4	3.6	-0.8	0.0	0.0	0.0	0.0	0.0	44.8
14	17558048.92	4926659.18	213.00	0	D	4000	112.1	0.0	-7.8	0.0	0.0	62.4	12.2	-0.8	0.0	0.0	0.0	0.0	0.0	30.5
14	17558048.92	4926659.18	213.00	0	D	8000	101.2	0.0	-7.8	0.0	0.0	62.4	43.5	-0.8	0.0	0.0	0.0	0.0	0.0	-11.7

Point Source, ISO 9613, Name: "Excavator Idle", ID: "I00!EX_Idle"

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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
34	17558055.02	4926662.17	213.00	0	DEN	32	70.6	0.0	0.0	0.0	0.0	62.3	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	13.2
34	17558055.02	4926662.17	213.00	0	DEN	63	78.4	0.0	0.0	0.0	0.0	62.3	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	21.0
34	17558055.02	4926662.17	213.00	0	DEN	125	83.7	0.0	0.0	0.0	0.0	62.3	0.2	2.3	0.0	0.0	0.0	0.0	0.0	19.0
34	17558055.02	4926662.17	213.00	0	DEN	250	89.8	0.0	0.0	0.0	0.0	62.3	0.4	7.7	0.0	0.0	0.0	0.0	0.0	19.4
34	17558055.02	4926662.17	213.00	0	DEN	500	88.9	0.0	0.0	0.0	0.0	62.3	0.7	4.0	0.0	0.0	0.0	0.0	0.0	21.9
34	17558055.02	4926662.17	213.00	0	DEN	1000	93.2	0.0	0.0	0.0	0.0	62.3	1.3	-0.4	0.0	0.0	0.0	0.0	0.0	29.9
34	17558055.02	4926662.17	213.00	0	DEN	2000	84.2	0.0	0.0	0.0	0.0	62.3	3.5	-1.0	0.0	0.0	0.0	0.0	0.0	19.4
34	17558055.02	4926662.17	213.00	0	DEN	4000	80.3	0.0	0.0	0.0	0.0	62.3	12.0	-1.0	0.0	0.0	0.0	0.0	0.0	7.0
34	17558055.02	4926662.17	213.00	0	DEN	8000	67.9	0.0	0.0	0.0	0.0	62.3	42.9	-1.0	0.0	0.0	0.0	0.0	0.0	-36.3

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "I01!T1_Fill_Route"

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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
53	17558295.19	4926650.27	213.50	0	D	32	33.4	16.8	0.0	0.0	0.0	54.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	-1.5

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "I01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
53	17558295.19	4926650.27	213.50	0	D	63	46.1	16.8	0.0	0.0	0.0	54.7	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	11.2
53	17558295.19	4926650.27	213.50	0	D	125	57.8	16.8	0.0	0.0	0.0	54.7	0.1	2.5	0.0	0.0	0.0	0.0	0.0	17.4
53	17558295.19	4926650.27	213.50	0	D	250	64.4	16.8	0.0	0.0	0.0	54.7	0.2	8.5	0.0	0.0	0.0	0.0	0.0	17.8
53	17558295.19	4926650.27	213.50	0	D	500	67.0	16.8	0.0	0.0	0.0	54.7	0.3	4.5	0.0	0.0	0.0	0.0	0.0	24.3
53	17558295.19	4926650.27	213.50	0	D	1000	72.2	16.8	0.0	0.0	0.0	54.7	0.6	0.3	0.0	0.0	0.0	0.0	0.0	33.4
53	17558295.19	4926650.27	213.50	0	D	2000	69.5	16.8	0.0	0.0	0.0	54.7	1.5	-0.3	0.0	0.0	0.0	0.0	0.0	30.4
53	17558295.19	4926650.27	213.50	0	D	4000	63.4	16.8	0.0	0.0	0.0	54.7	5.0	-0.3	0.0	0.0	0.0	0.0	0.0	20.8
53	17558295.19	4926650.27	213.50	0	D	8000	57.7	16.8	0.0	0.0	0.0	54.7	17.8	-0.3	0.0	0.0	0.0	0.0	0.0	2.3
78	17558245.08	4926635.60	213.50	0	D	32	33.4	17.5	0.0	0.0	0.0	56.3	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	-1.8
78	17558245.08	4926635.60	213.50	0	D	63	46.1	17.5	0.0	0.0	0.0	56.3	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	10.9
78	17558245.08	4926635.60	213.50	0	D	125	57.8	17.5	0.0	0.0	0.0	56.3	0.1	2.6	0.0	0.0	0.0	0.0	0.0	16.4
78	17558245.08	4926635.60	213.50	0	D	250	64.4	17.5	0.0	0.0	0.0	56.3	0.2	8.6	0.0	0.0	0.0	0.0	0.0	16.9
78	17558245.08	4926635.60	213.50	0	D	500	67.0	17.5	0.0	0.0	0.0	56.3	0.4	4.5	0.0	0.0	0.0	0.0	0.0	23.4
78	17558245.08	4926635.60	213.50	0	D	1000	72.2	17.5	0.0	0.0	0.0	56.3	0.7	0.3	0.0	0.0	0.0	0.0	0.0	32.5
78	17558245.08	4926635.60	213.50	0	D	2000	69.5	17.5	0.0	0.0	0.0	56.3	1.8	-0.3	0.0	0.0	0.0	0.0	0.0	29.4
78	17558245.08	4926635.60	213.50	0	D	4000	63.4	17.5	0.0	0.0	0.0	56.3	6.0	-0.3	0.0	0.0	0.0	0.0	0.0	19.0
78	17558245.08	4926635.60	213.50	0	D	8000	57.7	17.5	0.0	0.0	0.0	56.3	21.4	-0.3	0.0	0.0	0.0	0.0	0.0	-2.1
95	17558190.94	4926633.18	213.50	0	D	32	33.4	17.4	0.0	0.0	0.0	58.2	0.0	-4.0	0.0	0.0	0.0	0.0	0.0	-3.4
95	17558190.94	4926633.18	213.50	0	D	63	46.1	17.4	0.0	0.0	0.0	58.2	0.0	-4.0	0.0	0.0	0.0	0.0	0.0	9.2
95	17558190.94	4926633.18	213.50	0	D	125	57.8	17.4	0.0	0.0	0.0	58.2	0.1	2.0	0.0	0.0	0.0	0.0	0.0	14.8
95	17558190.94	4926633.18	213.50	0	D	250	64.4	17.4	0.0	0.0	0.0	58.2	0.2	7.8	0.0	0.0	0.0	0.0	0.0	15.5
95	17558190.94	4926633.18	213.50	0	D	500	67.0	17.4	0.0	0.0	0.0	58.2	0.4	4.3	0.0	0.0	0.0	0.0	0.0	21.4
95	17558190.94	4926633.18	213.50	0	D	1000	72.2	17.4	0.0	0.0	0.0	58.2	0.8	-0.0	0.0	0.0	0.0	0.0	0.0	30.5
95	17558190.94	4926633.18	213.50	0	D	2000	69.5	17.4	0.0	0.0	0.0	58.2	2.2	-0.7	0.0	0.0	0.0	0.0	0.0	27.1
95	17558190.94	4926633.18	213.50	0	D	4000	63.4	17.4	0.0	0.0	0.0	58.2	7.5	-0.7	0.0	0.0	0.0	0.0	0.0	15.7
95	17558190.94	4926633.18	213.50	0	D	8000	57.7	17.4	0.0	0.0	0.0	58.2	26.9	-0.7	0.0	0.0	0.0	0.0	0.0	-9.4
126	17558267.67	4926664.08	213.50	0	D	32	33.4	15.7	0.0	0.0	0.0	56.2	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	-3.6
126	17558267.67	4926664.08	213.50	0	D	63	46.1	15.7	0.0	0.0	0.0	56.2	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	9.1
126	17558267.67	4926664.08	213.50	0	D	125	57.8	15.7	0.0	0.0	0.0	56.2	0.1	1.8	0.0	0.0	0.0	0.0	0.0	15.5
126	17558267.67	4926664.08	213.50	0	D	250	64.4	15.7	0.0	0.0	0.0	56.2	0.2	7.7	0.0	0.0	0.0	0.0	0.0	16.0
126	17558267.67	4926664.08	213.50	0	D	500	67.0	15.7	0.0	0.0	0.0	56.2	0.4	4.2	0.0	0.0	0.0	0.0	0.0	22.0
126	17558267.67	4926664.08	213.50	0	D	1000	72.2	15.7	0.0	0.0	0.0	56.2	0.7	-0.0	0.0	0.0	0.0	0.0	0.0	31.1
126	17558267.67	4926664.08	213.50	0	D	2000	69.5	15.7	0.0	0.0	0.0	56.2	1.8	-0.7	0.0	0.0	0.0	0.0	0.0	27.9
126	17558267.67	4926664.08	213.50	0	D	4000	63.4	15.7	0.0	0.0	0.0	56.2	6.0	-0.7	0.0	0.0	0.0	0.0	0.0	17.6
126	17558267.67	4926664.08	213.50	0	D	8000	57.7	15.7	0.0	0.0	0.0	56.2	21.3	-0.7	0.0	0.0	0.0	0.0	0.0	-3.4
143	17558298.23	4926673.88	213.50	0	D	32	33.4	14.3	0.0	0.0	0.0	55.5	0.0	-3.3	0.0	0.0	0.0	0.0	0.0	-4.6
143	17558298.23	4926673.88	213.50	0	D	63	46.1	14.3	0.0	0.0	0.0	55.5	0.0	-3.3	0.0	0.0	0.0	0.0	0.0	8.1
143	17558298.23	4926673.88	213.50	0	D	125	57.8	14.3	0.0	0.0	0.0	55.5	0.1	1.7	0.0	0.0	0.0	0.0	0.0	14.7
143	17558298.23	4926673.88	213.50	0	D	250	64.4	14.3	0.0	0.0	0.0	55.5	0.2	7.7	0.0	0.0	0.0	0.0	0.0	15.2
143	17558298.23	4926673.88	213.50	0	D	500	67.0	14.3	0.0	0.0	0.0	55.5	0.3	4.2	0.0	0.0	0.0	0.0	0.0	21.2
143	17558298.23	4926673.88	213.50	0	D	1000	72.2	14.3	0.0	0.0	0.0	55.5	0.6	0.0	0.0	0.0	0.0	0.0	0.0	30.3
143	17558298.23	4926673.88	213.50	0	D	2000	69.5	14.3	0.0	0.0	0.0	55.5	1.6	-0.6	0.0	0.0	0.0	0.0	0.0	27.2
143	17558298.23	4926673.88	213.50	0	D	4000	63.4	14.3	0.0	0.0	0.0	55.5	5.5	-0.6	0.0	0.0	0.0	0.0	0.0	17.2
143	17558298.23	4926673.88	213.50	0	D	8000	57.7	14.3	0.0	0.0	0.0	55.5	19.7	-0.6	0.0	0.0	0.0	0.0	0.0	-2.6
144	17557967.46	4926865.43	213.50	0	D	32	33.4	23.1	0.0	0.0	0.0	65.7	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-4.0
144	17557967.46	4926865.43	213.50	0	D	63	46.1	23.1	0.0	0.0	0.0	65.7	0.1	-5.2	0.0	0.0	0.0	0.0	0.0	8.6
144	17557967.46	4926865.43	213.50	0	D	125	57.8	23.1	0.0	0.0	0.0	65.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	14.8
144	17557967.46	4926865.43	213.50	0	D	250	64.4	23.1	0.0	0.0	0.0	65.7	0.6	3.9	0.0	0.0	0.0	0.0	0.0	17.3
144	17557967.46	4926865.43	213.50	0	D	500	67.0	23.1	0.0	0.0	0.0	65.7	1.0	1.9	0.0	0.0	0.0	0.0	0.0	21.5
144	17557967.46	4926865.43	213.50	0	D	1000	72.2	23.1	0.0	0.0	0.0	65.7	2.0	-2.5	0.0	0.0	0.0	0.0	0.0	30.1
144	17557967.46	4926865.43	213.50	0	D	2000	69.5	23.1	0.0	0.0	0.0	65.7	5.2	-3.1	0.0	0.0	0.0	0.0	0.0	24.8
144	17557967.46	4926865.43	213.50	0	D	4000	63.4	23.1	0.0	0.0	0.0	65.7	17.8	-3.1	0.0	0.0	0.0	0.0	0.0	6.2
144	17557967.46	4926865.43	213.50	0	D	8000	57.7	23.1	0.0	0.0	0.0	65.7	63.4	-3.1	0.0	0.0	0.0	0.0	0.0	-45.1
145	17558233.01	4926656.27	213.50	0	D	32	33.4	15.3	0.0	0.0	0.0	57.2	0.0	-3.8	0.0	0.0	0.0	0.0	0.0	-4.7
145	17558233.01	4926656.27	213.50	0	D	63	46.1	15.3	0.0	0.0	0.0	57.2	0.0	-3.8	0.0	0.0	0.0	0.0	0.0	7.9
145	17558233.01	4926656.27	213.50	0	D	125	57.8	15.3	0.0	0.0	0.0	57.2	0.1	1.6	0.0	0.0	0.0	0.0	0.0	14.2
145	17558233.01	4926656.27	213.50	0	D	250	64.4	15.3	0.0	0.0	0.0	57.2	0.2	7.5	0.0	0.0	0.0	0.0	0.0	14.8
145	17558233.01	4926656.27	213.50	0	D	500	67.0	15.3	0.0	0.0	0.0	57.2	0.4	4.1	0.0	0.0	0.0	0.0	0.0	20.5
145	17558233.01	4926656.27	213.50	0	D	1000	72.2	15.3	0.0	0.0	0.0	57.2	0.7	-0.1	0.0	0.0	0.0	0.0	0.0	29.6
145	17558233.01	4926656.27	213.50	0	D	2000	69.5	15.3	0.0	0.0	0.0	57.2	2.0	-0.8	0.0	0.0	0.0	0.0	0.0	26.4
145	17558233.01	4926656.27	213.50	0	D	4000	63.4	15.3	0.0	0.0	0.0	57.2	6.7	-0.8	0.0	0.0	0.0	0.0	0.0	15.5
145	17558233.01	4926656.27	213.50	0	D	8000	57.7	15.3	0.0	0.0	0.0	57.2	23.9	-0.8	0.0	0.0	0.0	0.0	0.0	-7.4
147	17558198.15	4926656.65	213.50	0	D	32	33.4	15.6	0.0	0.0	0.0	58.4								

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "!01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
147	17558198.15	4926656.65	213.50	0	D	63	46.1	15.6	0.0	0.0	0.0	58.4	0.0	-4.1	0.0	0.0	0.0	0.0	0.0	7.4
147	17558198.15	4926656.65	213.50	0	D	125	57.8	15.6	0.0	0.0	0.0	58.4	0.1	1.1	0.0	0.0	0.0	0.0	0.0	13.8
147	17558198.15	4926656.65	213.50	0	D	250	64.4	15.6	0.0	0.0	0.0	58.4	0.2	6.8	0.0	0.0	0.0	0.0	0.0	14.5
147	17558198.15	4926656.65	213.50	0	D	500	67.0	15.6	0.0	0.0	0.0	58.4	0.5	3.9	0.0	0.0	0.0	0.0	0.0	19.9
147	17558198.15	4926656.65	213.50	0	D	1000	72.2	15.6	0.0	0.0	0.0	58.4	0.9	-0.4	0.0	0.0	0.0	0.0	0.0	28.9
147	17558198.15	4926656.65	213.50	0	D	2000	69.5	15.6	0.0	0.0	0.0	58.4	2.3	-1.0	0.0	0.0	0.0	0.0	0.0	25.5
147	17558198.15	4926656.65	213.50	0	D	4000	63.4	15.6	0.0	0.0	0.0	58.4	7.7	-1.0	0.0	0.0	0.0	0.0	0.0	14.0
147	17558198.15	4926656.65	213.50	0	D	8000	57.7	15.6	0.0	0.0	0.0	58.4	27.4	-1.0	0.0	0.0	0.0	0.0	0.0	-11.4
178	17557989.18	4926779.52	213.50	0	D	32	33.4	20.3	0.0	0.0	0.0	64.6	0.0	-5.1	0.0	0.0	0.0	0.0	0.0	-5.9
178	17557989.18	4926779.52	213.50	0	D	63	46.1	20.3	0.0	0.0	0.0	64.6	0.1	-5.1	0.0	0.0	0.0	0.0	0.0	6.8
178	17557989.18	4926779.52	213.50	0	D	125	57.8	20.3	0.0	0.0	0.0	64.6	0.2	0.1	0.0	0.0	0.0	0.0	0.0	13.2
178	17557989.18	4926779.52	213.50	0	D	250	64.4	20.3	0.0	0.0	0.0	64.6	0.5	4.2	0.0	0.0	0.0	0.0	0.0	15.4
178	17557989.18	4926779.52	213.50	0	D	500	67.0	20.3	0.0	0.0	0.0	64.6	0.9	2.1	0.0	0.0	0.0	0.0	0.0	19.6
178	17557989.18	4926779.52	213.50	0	D	1000	72.2	20.3	0.0	0.0	0.0	64.6	1.7	-2.2	0.0	0.0	0.0	0.0	0.0	28.3
178	17557989.18	4926779.52	213.50	0	D	2000	69.5	20.3	0.0	0.0	0.0	64.6	4.6	-2.8	0.0	0.0	0.0	0.0	0.0	23.4
178	17557989.18	4926779.52	213.50	0	D	4000	63.4	20.3	0.0	0.0	0.0	64.6	15.6	-2.8	0.0	0.0	0.0	0.0	0.0	6.3
178	17557989.18	4926779.52	213.50	0	D	8000	57.7	20.3	0.0	0.0	0.0	64.6	55.7	-2.8	0.0	0.0	0.0	0.0	0.0	-39.5
204	17558166.90	4926669.04	213.50	0	D	32	33.4	15.1	0.0	0.0	0.0	59.5	0.0	-4.3	0.0	0.0	0.0	0.0	0.0	-6.7
204	17558166.90	4926669.04	213.50	0	D	63	46.1	15.1	0.0	0.0	0.0	59.5	0.0	-4.3	0.0	0.0	0.0	0.0	0.0	6.0
204	17558166.90	4926669.04	213.50	0	D	125	57.8	15.1	0.0	0.0	0.0	59.5	0.1	0.2	0.0	0.0	0.0	0.0	0.0	13.1
204	17558166.90	4926669.04	213.50	0	D	250	64.4	15.1	0.0	0.0	0.0	59.5	0.3	5.6	0.0	0.0	0.0	0.0	0.0	14.1
204	17558166.90	4926669.04	213.50	0	D	500	67.0	15.1	0.0	0.0	0.0	59.5	0.5	3.5	0.0	0.0	0.0	0.0	0.0	18.6
204	17558166.90	4926669.04	213.50	0	D	1000	72.2	15.1	0.0	0.0	0.0	59.5	1.0	-0.8	0.0	0.0	0.0	0.0	0.0	27.6
204	17558166.90	4926669.04	213.50	0	D	2000	69.5	15.1	0.0	0.0	0.0	59.5	2.6	-1.5	0.0	0.0	0.0	0.0	0.0	23.9
204	17558166.90	4926669.04	213.50	0	D	4000	63.4	15.1	0.0	0.0	0.0	59.5	8.8	-1.5	0.0	0.0	0.0	0.0	0.0	11.7
204	17558166.90	4926669.04	213.50	0	D	8000	57.7	15.1	0.0	0.0	0.0	59.5	31.3	-1.5	0.0	0.0	0.0	0.0	0.0	-16.5
205	17558148.26	4926644.37	213.50	0	D	32	33.4	15.3	0.0	0.0	0.0	59.7	0.0	-4.4	0.0	0.0	0.0	0.0	0.0	-6.7
205	17558148.26	4926644.37	213.50	0	D	63	46.1	15.3	0.0	0.0	0.0	59.7	0.0	-4.4	0.0	0.0	0.0	0.0	0.0	5.9
205	17558148.26	4926644.37	213.50	0	D	125	57.8	15.3	0.0	0.0	0.0	59.7	0.1	0.9	0.0	0.0	0.0	0.0	0.0	12.3
205	17558148.26	4926644.37	213.50	0	D	250	64.4	15.3	0.0	0.0	0.0	59.7	0.3	6.3	0.0	0.0	0.0	0.0	0.0	13.3
205	17558148.26	4926644.37	213.50	0	D	500	67.0	15.3	0.0	0.0	0.0	59.7	0.5	3.7	0.0	0.0	0.0	0.0	0.0	18.2
205	17558148.26	4926644.37	213.50	0	D	1000	72.2	15.3	0.0	0.0	0.0	59.7	1.0	-0.6	0.0	0.0	0.0	0.0	0.0	27.3
205	17558148.26	4926644.37	213.50	0	D	2000	69.5	15.3	0.0	0.0	0.0	59.7	2.6	-1.2	0.0	0.0	0.0	0.0	0.0	23.6
205	17558148.26	4926644.37	213.50	0	D	4000	63.4	15.3	0.0	0.0	0.0	59.7	9.0	-1.2	0.0	0.0	0.0	0.0	0.0	11.1
205	17558148.26	4926644.37	213.50	0	D	8000	57.7	15.3	0.0	0.0	0.0	59.7	32.0	-1.2	0.0	0.0	0.0	0.0	0.0	-17.6
227	17558317.04	4926668.89	213.50	0	D	32	33.4	10.3	0.0	0.0	0.0	54.7	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	-7.9
227	17558317.04	4926668.89	213.50	0	D	63	46.1	10.3	0.0	0.0	0.0	54.7	0.0	-3.1	0.0	0.0	0.0	0.0	0.0	4.7
227	17558317.04	4926668.89	213.50	0	D	125	57.8	10.3	0.0	0.0	0.0	54.7	0.1	2.1	0.0	0.0	0.0	0.0	0.0	11.3
227	17558317.04	4926668.89	213.50	0	D	250	64.4	10.3	0.0	0.0	0.0	54.7	0.2	8.1	0.0	0.0	0.0	0.0	0.0	11.8
227	17558317.04	4926668.89	213.50	0	D	500	67.0	10.3	0.0	0.0	0.0	54.7	0.3	4.3	0.0	0.0	0.0	0.0	0.0	18.0
227	17558317.04	4926668.89	213.50	0	D	1000	72.2	10.3	0.0	0.0	0.0	54.7	0.6	0.2	0.0	0.0	0.0	0.0	0.0	27.1
227	17558317.04	4926668.89	213.50	0	D	2000	69.5	10.3	0.0	0.0	0.0	54.7	1.5	-0.5	0.0	0.0	0.0	0.0	0.0	24.1
227	17558317.04	4926668.89	213.50	0	D	4000	63.4	10.3	0.0	0.0	0.0	54.7	5.0	-0.5	0.0	0.0	0.0	0.0	0.0	14.4
227	17558317.04	4926668.89	213.50	0	D	8000	57.7	10.3	0.0	0.0	0.0	54.7	17.9	-0.5	0.0	0.0	0.0	0.0	0.0	-4.1
239	17557965.94	4926887.91	213.50	0	D	32	33.4	20.6	0.0	0.0	0.0	65.9	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-6.7
239	17557965.94	4926887.91	213.50	0	D	63	46.1	20.6	0.0	0.0	0.0	65.9	0.1	-5.2	0.0	0.0	0.0	0.0	0.0	5.9
239	17557965.94	4926887.91	213.50	0	D	125	57.8	20.6	0.0	0.0	0.0	65.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	12.0
239	17557965.94	4926887.91	213.50	0	D	250	64.4	20.6	0.0	0.0	0.0	65.9	0.6	3.9	0.0	0.0	0.0	0.0	0.0	14.7
239	17557965.94	4926887.91	213.50	0	D	500	67.0	20.6	0.0	0.0	0.0	65.9	1.1	1.8	0.0	0.0	0.0	0.0	0.0	18.8
239	17557965.94	4926887.91	213.50	0	D	1000	72.2	20.6	0.0	0.0	0.0	65.9	2.0	-2.5	0.0	0.0	0.0	0.0	0.0	27.4
239	17557965.94	4926887.91	213.50	0	D	2000	69.5	20.6	0.0	0.0	0.0	65.9	5.4	-3.2	0.0	0.0	0.0	0.0	0.0	22.0
239	17557965.94	4926887.91	213.50	0	D	4000	63.4	20.6	0.0	0.0	0.0	65.9	18.3	-3.2	0.0	0.0	0.0	0.0	0.0	3.0
239	17557965.94	4926887.91	213.50	0	D	8000	57.7	20.6	0.0	0.0	0.0	65.9	65.1	-3.2	0.0	0.0	0.0	0.0	0.0	-49.5
240	17558115.84	4926656.10	213.50	0	D	32	33.4	15.5	0.0	0.0	0.0	60.8	0.0	-4.5	0.0	0.0	0.0	0.0	0.0	-7.4
240	17558115.84	4926656.10	213.50	0	D	63	46.1	15.5	0.0	0.0	0.0	60.8	0.0	-4.5	0.0	0.0	0.0	0.0	0.0	5.3
240	17558115.84	4926656.10	213.50	0	D	125	57.8	15.5	0.0	0.0	0.0	60.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	12.2
240	17558115.84	4926656.10	213.50	0	D	250	64.4	15.5	0.0	0.0	0.0	60.8	0.3	5.4	0.0	0.0	0.0	0.0	0.0	13.4
240	17558115.84	4926656.10	213.50	0	D	500	67.0	15.5	0.0	0.0	0.0	60.8	0.6	3.3	0.0	0.0	0.0	0.0	0.0	17.7
240	17558115.84	4926656.10	213.50	0	D	1000	72.2	15.5	0.0	0.0	0.0	60.8	1.1	-1.0	0.0	0.0	0.0	0.0	0.0	26.7
240	17558115.84	4926656.10	213.50	0	D	2000	69.5	15.5	0.0	0.0	0.0	60.8	3.0	-1.6	0.0	0.0	0.0	0.0	0.0	22.8
240	17558115.84	4926656.10	213.50	0	D	4000	63.4	15.5	0.0	0.0	0.0	60.8	10.1	-1.6	0.0	0.0	0.0	0.0	0.0	9.6
240	17558115.84	4926656.10	213.50	0	D	8000	57.7	15.5	0.0	0.0	0.0	60.8	36.0	-1.6	0.0	0.0	0.0	0.0	0.0	-22.0
256	17558077.60	4926665.76	213.50	0	D	32	33.4	16.4	0.0	0.										

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "!01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
256	17558077.60	4926665.76	213.50	0	D	63	46.1	16.4	0.0	0.0	0.0	61.8	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	5.4
256	17558077.60	4926665.76	213.50	0	D	125	57.8	16.4	0.0	0.0	0.0	61.8	0.1	0.1	0.0	0.0	0.0	0.0	0.0	12.1
256	17558077.60	4926665.76	213.50	0	D	250	64.4	16.4	0.0	0.0	0.0	61.8	0.4	5.1	0.0	0.0	0.0	0.0	0.0	13.5
256	17558077.60	4926665.76	213.50	0	D	500	67.0	16.4	0.0	0.0	0.0	61.8	0.7	3.1	0.0	0.0	0.0	0.0	0.0	17.9
256	17558077.60	4926665.76	213.50	0	D	1000	72.2	16.4	0.0	0.0	0.0	61.8	1.3	-1.3	0.0	0.0	0.0	0.0	0.0	26.8
256	17558077.60	4926665.76	213.50	0	D	2000	69.5	16.4	0.0	0.0	0.0	61.8	3.4	-1.9	0.0	0.0	0.0	0.0	0.0	22.7
256	17558077.60	4926665.76	213.50	0	D	4000	63.4	16.4	0.0	0.0	0.0	61.8	11.4	-1.9	0.0	0.0	0.0	0.0	0.0	8.5
256	17558077.60	4926665.76	213.50	0	D	8000	57.7	16.4	0.0	0.0	0.0	61.8	40.6	-1.9	0.0	0.0	0.0	0.0	0.0	-26.4
298	17557996.99	4926731.52	213.50	0	D	32	33.4	18.5	0.0	0.0	0.0	64.0	0.0	-5.0	0.0	0.0	0.0	0.0	0.0	-7.2
298	17557996.99	4926731.52	213.50	0	D	63	46.1	18.5	0.0	0.0	0.0	64.0	0.1	-5.0	0.0	0.0	0.0	0.0	0.0	5.5
298	17557996.99	4926731.52	213.50	0	D	125	57.8	18.5	0.0	0.0	0.0	64.0	0.2	0.1	0.0	0.0	0.0	0.0	0.0	12.0
298	17557996.99	4926731.52	213.50	0	D	250	64.4	18.5	0.0	0.0	0.0	64.0	0.5	4.4	0.0	0.0	0.0	0.0	0.0	13.9
298	17557996.99	4926731.52	213.50	0	D	500	67.0	18.5	0.0	0.0	0.0	64.0	0.9	2.4	0.0	0.0	0.0	0.0	0.0	18.2
298	17557996.99	4926731.52	213.50	0	D	1000	72.2	18.5	0.0	0.0	0.0	64.0	1.6	-1.9	0.0	0.0	0.0	0.0	0.0	26.9
298	17557996.99	4926731.52	213.50	0	D	2000	69.5	18.5	0.0	0.0	0.0	64.0	4.3	-2.6	0.0	0.0	0.0	0.0	0.0	22.2
298	17557996.99	4926731.52	213.50	0	D	4000	63.4	18.5	0.0	0.0	0.0	64.0	14.7	-2.6	0.0	0.0	0.0	0.0	0.0	5.8
298	17557996.99	4926731.52	213.50	0	D	8000	57.7	18.5	0.0	0.0	0.0	64.0	52.3	-2.6	0.0	0.0	0.0	0.0	0.0	-37.6
320	17558140.62	4926687.13	213.50	0	D	32	33.4	14.9	0.0	0.0	0.0	60.5	0.0	-4.5	0.0	0.0	0.0	0.0	0.0	-7.7
320	17558140.62	4926687.13	213.50	0	D	63	46.1	14.9	0.0	0.0	0.0	60.5	0.0	-4.5	0.0	0.0	0.0	0.0	0.0	5.0
320	17558140.62	4926687.13	213.50	0	D	125	57.8	14.9	0.0	0.0	0.0	60.5	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	12.2
320	17558140.62	4926687.13	213.50	0	D	250	64.4	14.9	0.0	0.0	0.0	60.5	0.3	5.2	0.0	0.0	0.0	0.0	0.0	13.3
320	17558140.62	4926687.13	213.50	0	D	500	67.0	14.9	0.0	0.0	0.0	60.5	0.6	3.2	0.0	0.0	0.0	0.0	0.0	17.7
320	17558140.62	4926687.13	213.50	0	D	1000	72.2	14.9	0.0	0.0	0.0	60.5	1.1	-1.1	0.0	0.0	0.0	0.0	0.0	26.6
320	17558140.62	4926687.13	213.50	0	D	2000	69.5	14.9	0.0	0.0	0.0	60.5	2.9	-1.8	0.0	0.0	0.0	0.0	0.0	22.8
320	17558140.62	4926687.13	213.50	0	D	4000	63.4	14.9	0.0	0.0	0.0	60.5	9.8	-1.8	0.0	0.0	0.0	0.0	0.0	9.8
320	17558140.62	4926687.13	213.50	0	D	8000	57.7	14.9	0.0	0.0	0.0	60.5	35.0	-1.8	0.0	0.0	0.0	0.0	0.0	-21.1
384	17558318.21	4926660.40	213.50	0	D	32	33.4	8.2	0.0	0.0	0.0	54.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	-9.7
384	17558318.21	4926660.40	213.50	0	D	63	46.1	8.2	0.0	0.0	0.0	54.3	0.0	-3.0	0.0	0.0	0.0	0.0	0.0	3.0
384	17558318.21	4926660.40	213.50	0	D	125	57.8	8.2	0.0	0.0	0.0	54.3	0.1	2.3	0.0	0.0	0.0	0.0	0.0	9.3
384	17558318.21	4926660.40	213.50	0	D	250	64.4	8.2	0.0	0.0	0.0	54.3	0.2	8.4	0.0	0.0	0.0	0.0	0.0	9.8
384	17558318.21	4926660.40	213.50	0	D	500	67.0	8.2	0.0	0.0	0.0	54.3	0.3	4.4	0.0	0.0	0.0	0.0	0.0	16.2
384	17558318.21	4926660.40	213.50	0	D	1000	72.2	8.2	0.0	0.0	0.0	54.3	0.5	0.3	0.0	0.0	0.0	0.0	0.0	25.3
384	17558318.21	4926660.40	213.50	0	D	2000	69.5	8.2	0.0	0.0	0.0	54.3	1.4	-0.3	0.0	0.0	0.0	0.0	0.0	22.3
384	17558318.21	4926660.40	213.50	0	D	4000	63.4	8.2	0.0	0.0	0.0	54.3	4.8	-0.3	0.0	0.0	0.0	0.0	0.0	12.8
384	17558318.21	4926660.40	213.50	0	D	8000	57.7	8.2	0.0	0.0	0.0	54.3	17.0	-0.3	0.0	0.0	0.0	0.0	0.0	-5.1
386	17558113.76	4926701.23	213.50	0	D	32	33.4	14.7	0.0	0.0	0.0	61.4	0.0	-4.6	0.0	0.0	0.0	0.0	0.0	-8.6
386	17558113.76	4926701.23	213.50	0	D	63	46.1	14.7	0.0	0.0	0.0	61.4	0.0	-4.6	0.0	0.0	0.0	0.0	0.0	4.0
386	17558113.76	4926701.23	213.50	0	D	125	57.8	14.7	0.0	0.0	0.0	61.4	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	11.2
386	17558113.76	4926701.23	213.50	0	D	250	64.4	14.7	0.0	0.0	0.0	61.4	0.3	5.0	0.0	0.0	0.0	0.0	0.0	12.4
386	17558113.76	4926701.23	213.50	0	D	500	67.0	14.7	0.0	0.0	0.0	61.4	0.6	2.9	0.0	0.0	0.0	0.0	0.0	16.8
386	17558113.76	4926701.23	213.50	0	D	1000	72.2	14.7	0.0	0.0	0.0	61.4	1.2	-1.4	0.0	0.0	0.0	0.0	0.0	25.7
386	17558113.76	4926701.23	213.50	0	D	2000	69.5	14.7	0.0	0.0	0.0	61.4	3.2	-2.0	0.0	0.0	0.0	0.0	0.0	21.7
386	17558113.76	4926701.23	213.50	0	D	4000	63.4	14.7	0.0	0.0	0.0	61.4	10.8	-2.0	0.0	0.0	0.0	0.0	0.0	8.0
386	17558113.76	4926701.23	213.50	0	D	8000	57.7	14.7	0.0	0.0	0.0	61.4	38.5	-2.0	0.0	0.0	0.0	0.0	0.0	-25.4
387	17557946.89	4926998.21	213.50	0	D	32	33.4	20.3	0.0	0.0	0.0	67.2	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-8.2
387	17557946.89	4926998.21	213.50	0	D	63	46.1	20.3	0.0	0.0	0.0	67.2	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	4.5
387	17557946.89	4926998.21	213.50	0	D	125	57.8	20.3	0.0	0.0	0.0	67.2	0.3	0.5	0.0	0.0	0.0	0.0	0.0	10.2
387	17557946.89	4926998.21	213.50	0	D	250	64.4	20.3	0.0	0.0	0.0	67.2	0.7	3.6	0.0	0.0	0.0	0.0	0.0	13.2
387	17557946.89	4926998.21	213.50	0	D	500	67.0	20.3	0.0	0.0	0.0	67.2	1.2	1.6	0.0	0.0	0.0	0.0	0.0	17.3
387	17557946.89	4926998.21	213.50	0	D	1000	72.2	20.3	0.0	0.0	0.0	67.2	2.4	-2.7	0.0	0.0	0.0	0.0	0.0	25.7
387	17557946.89	4926998.21	213.50	0	D	2000	69.5	20.3	0.0	0.0	0.0	67.2	6.2	-3.4	0.0	0.0	0.0	0.0	0.0	19.8
387	17557946.89	4926998.21	213.50	0	D	4000	63.4	20.3	0.0	0.0	0.0	67.2	21.1	-3.4	0.0	0.0	0.0	0.0	0.0	-1.2
387	17557946.89	4926998.21	213.50	0	D	8000	57.7	20.3	0.0	0.0	0.0	67.2	75.4	-3.4	0.0	0.0	0.0	0.0	0.0	-61.1
388	17558036.37	4926669.97	213.50	0	D	32	33.4	15.9	0.0	0.0	0.0	62.8	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	-8.6
388	17558036.37	4926669.97	213.50	0	D	63	46.1	15.9	0.0	0.0	0.0	62.8	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	4.0
388	17558036.37	4926669.97	213.50	0	D	125	57.8	15.9	0.0	0.0	0.0	62.8	0.2	1.9	0.0	0.0	0.0	0.0	0.0	8.9
388	17558036.37	4926669.97	213.50	0	D	250	64.4	15.9	0.0	0.0	0.0	62.8	0.4	6.6	0.0	0.0	0.0	0.0	0.0	10.5
388	17558036.37	4926669.97	213.50	0	D	500	67.0	15.9	0.0	0.0	0.0	62.8	0.7	3.7	0.0	0.0	0.0	0.0	0.0	15.7
388	17558036.37	4926669.97	213.50	0	D	1000	72.2	15.9	0.0	0.0	0.0	62.8	1.4	-0.6	0.0	0.0	0.0	0.0	0.0	24.6
388	17558036.37	4926669.97	213.50	0	D	2000	69.5	15.9	0.0	0.0	0.0	62.8	3.7	-1.3	0.0	0.0	0.0	0.0	0.0	20.2
388	17558036.37	4926669.97	213.50	0	D	4000	63.4	15.9	0.0	0.0	0.0	62.8	12.7	-1.3	0.0	0.0	0.0	0.0	0.0	5.1
388	17558036.37	4926669.97	213.50	0	D	8000	57.7	15.9	0.0	0.0	0.0	62.8	45.3	-1.3	0.0	0.0	0.0	0.0	0.0	-33.1
417	17558084.61	4926711.33	213.50	0	D	32	33.4	15.1	0.0	0.0	0.0									

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "!01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
417	17558084.61	4926711.33	213.50	0	D	63	46.1	15.1	0.0	0.0	0.0	62.1	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	3.7
417	17558084.61	4926711.33	213.50	0	D	125	57.8	15.1	0.0	0.0	0.0	62.1	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	10.7
417	17558084.61	4926711.33	213.50	0	D	250	64.4	15.1	0.0	0.0	0.0	62.1	0.4	4.8	0.0	0.0	0.0	0.0	0.0	12.2
417	17558084.61	4926711.33	213.50	0	D	500	67.0	15.1	0.0	0.0	0.0	62.1	0.7	2.7	0.0	0.0	0.0	0.0	0.0	16.5
417	17558084.61	4926711.33	213.50	0	D	1000	72.2	15.1	0.0	0.0	0.0	62.1	1.3	-1.6	0.0	0.0	0.0	0.0	0.0	25.4
417	17558084.61	4926711.33	213.50	0	D	2000	69.5	15.1	0.0	0.0	0.0	62.1	3.5	-2.2	0.0	0.0	0.0	0.0	0.0	21.2
417	17558084.61	4926711.33	213.50	0	D	4000	63.4	15.1	0.0	0.0	0.0	62.1	11.8	-2.2	0.0	0.0	0.0	0.0	0.0	6.8
417	17558084.61	4926711.33	213.50	0	D	8000	57.7	15.1	0.0	0.0	0.0	62.1	42.1	-2.2	0.0	0.0	0.0	0.0	0.0	-29.2
438	17558313.28	4926676.13	213.50	0	D	32	33.4	8.0	0.0	0.0	0.0	55.2	0.0	-3.2	0.0	0.0	0.0	0.0	0.0	-10.6
438	17558313.28	4926676.13	213.50	0	D	63	46.1	8.0	0.0	0.0	0.0	55.2	0.0	-3.2	0.0	0.0	0.0	0.0	0.0	2.1
438	17558313.28	4926676.13	213.50	0	D	125	57.8	8.0	0.0	0.0	0.0	55.2	0.1	1.8	0.0	0.0	0.0	0.0	0.0	8.7
438	17558313.28	4926676.13	213.50	0	D	250	64.4	8.0	0.0	0.0	0.0	55.2	0.2	7.8	0.0	0.0	0.0	0.0	0.0	9.2
438	17558313.28	4926676.13	213.50	0	D	500	67.0	8.0	0.0	0.0	0.0	55.2	0.3	4.2	0.0	0.0	0.0	0.0	0.0	15.3
438	17558313.28	4926676.13	213.50	0	D	1000	72.2	8.0	0.0	0.0	0.0	55.2	0.6	0.0	0.0	0.0	0.0	0.0	0.0	24.4
438	17558313.28	4926676.13	213.50	0	D	2000	69.5	8.0	0.0	0.0	0.0	55.2	1.6	-0.6	0.0	0.0	0.0	0.0	0.0	21.3
438	17558313.28	4926676.13	213.50	0	D	4000	63.4	8.0	0.0	0.0	0.0	55.2	5.3	-0.6	0.0	0.0	0.0	0.0	0.0	11.5
438	17558313.28	4926676.13	213.50	0	D	8000	57.7	8.0	0.0	0.0	0.0	55.2	18.9	-0.6	0.0	0.0	0.0	0.0	0.0	-7.8
458	17558067.58	4927165.89	213.17	0	D	32	33.4	20.5	0.0	0.0	0.0	68.0	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-8.7
458	17558067.58	4927165.89	213.17	0	D	63	46.1	20.5	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	3.9
458	17558067.58	4927165.89	213.17	0	D	125	57.8	20.5	0.0	0.0	0.0	68.0	0.3	0.6	0.0	0.0	0.0	0.0	0.0	9.4
458	17558067.58	4927165.89	213.17	0	D	250	64.4	20.5	0.0	0.0	0.0	68.0	0.7	3.5	0.0	0.0	0.0	0.0	0.0	12.7
458	17558067.58	4927165.89	213.17	0	D	500	67.0	20.5	0.0	0.0	0.0	68.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	16.7
458	17558067.58	4927165.89	213.17	0	D	1000	72.2	20.5	0.0	0.0	0.0	68.0	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	25.0
458	17558067.58	4927165.89	213.17	0	D	2000	69.5	20.5	0.0	0.0	0.0	68.0	6.8	-3.6	0.0	0.0	0.0	0.0	0.0	18.7
458	17558067.58	4927165.89	213.17	0	D	4000	63.4	20.5	0.0	0.0	0.0	68.0	23.2	-3.6	0.0	0.0	0.0	0.0	0.0	-3.7
458	17558067.58	4927165.89	213.17	0	D	8000	57.7	20.5	0.0	0.0	0.0	68.0	82.8	-3.6	0.0	0.0	0.0	0.0	0.0	-69.0
491	17557942.32	4927007.92	213.50	0	D	32	33.4	19.3	0.0	0.0	0.0	67.3	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-9.4
491	17557942.32	4927007.92	213.50	0	D	63	46.1	19.3	0.0	0.0	0.0	67.3	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	3.3
491	17557942.32	4927007.92	213.50	0	D	125	57.8	19.3	0.0	0.0	0.0	67.3	0.3	0.5	0.0	0.0	0.0	0.0	0.0	8.9
491	17557942.32	4927007.92	213.50	0	D	250	64.4	19.3	0.0	0.0	0.0	67.3	0.7	3.6	0.0	0.0	0.0	0.0	0.0	12.1
491	17557942.32	4927007.92	213.50	0	D	500	67.0	19.3	0.0	0.0	0.0	67.3	1.3	1.6	0.0	0.0	0.0	0.0	0.0	16.1
491	17557942.32	4927007.92	213.50	0	D	1000	72.2	19.3	0.0	0.0	0.0	67.3	2.4	-2.8	0.0	0.0	0.0	0.0	0.0	24.5
491	17557942.32	4927007.92	213.50	0	D	2000	69.5	19.3	0.0	0.0	0.0	67.3	6.3	-3.4	0.0	0.0	0.0	0.0	0.0	18.5
491	17557942.32	4927007.92	213.50	0	D	4000	63.4	19.3	0.0	0.0	0.0	67.3	21.5	-3.4	0.0	0.0	0.0	0.0	0.0	-2.7
491	17557942.32	4927007.92	213.50	0	D	8000	57.7	19.3	0.0	0.0	0.0	67.3	76.6	-3.4	0.0	0.0	0.0	0.0	0.0	-63.5
495	17558094.90	4927172.51	213.06	0	D	32	33.4	19.9	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-9.3
495	17558094.90	4927172.51	213.06	0	D	63	46.1	19.9	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	3.3
495	17558094.90	4927172.51	213.06	0	D	125	57.8	19.9	0.0	0.0	0.0	67.9	0.3	0.6	0.0	0.0	0.0	0.0	0.0	8.8
495	17558094.90	4927172.51	213.06	0	D	250	64.4	19.9	0.0	0.0	0.0	67.9	0.7	3.5	0.0	0.0	0.0	0.0	0.0	12.1
495	17558094.90	4927172.51	213.06	0	D	500	67.0	19.9	0.0	0.0	0.0	67.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	16.1
495	17558094.90	4927172.51	213.06	0	D	1000	72.2	19.9	0.0	0.0	0.0	67.9	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	24.4
495	17558094.90	4927172.51	213.06	0	D	2000	69.5	19.9	0.0	0.0	0.0	67.9	6.8	-3.6	0.0	0.0	0.0	0.0	0.0	18.2
495	17558094.90	4927172.51	213.06	0	D	4000	63.4	19.9	0.0	0.0	0.0	67.9	23.0	-3.6	0.0	0.0	0.0	0.0	0.0	-4.1
495	17558094.90	4927172.51	213.06	0	D	8000	57.7	19.9	0.0	0.0	0.0	67.9	82.0	-3.6	0.0	0.0	0.0	0.0	0.0	-68.9
496	17558055.85	4926716.85	213.50	0	D	32	33.4	14.3	0.0	0.0	0.0	62.8	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	-10.3
496	17558055.85	4926716.85	213.50	0	D	63	46.1	14.3	0.0	0.0	0.0	62.8	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	2.4
496	17558055.85	4926716.85	213.50	0	D	125	57.8	14.3	0.0	0.0	0.0	62.8	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	9.2
496	17558055.85	4926716.85	213.50	0	D	250	64.4	14.3	0.0	0.0	0.0	62.8	0.4	4.7	0.0	0.0	0.0	0.0	0.0	10.8
496	17558055.85	4926716.85	213.50	0	D	500	67.0	14.3	0.0	0.0	0.0	62.8	0.7	2.6	0.0	0.0	0.0	0.0	0.0	15.1
496	17558055.85	4926716.85	213.50	0	D	1000	72.2	14.3	0.0	0.0	0.0	62.8	1.4	-1.7	0.0	0.0	0.0	0.0	0.0	24.0
496	17558055.85	4926716.85	213.50	0	D	2000	69.5	14.3	0.0	0.0	0.0	62.8	3.8	-2.4	0.0	0.0	0.0	0.0	0.0	19.6
496	17558055.85	4926716.85	213.50	0	D	4000	63.4	14.3	0.0	0.0	0.0	62.8	12.7	-2.4	0.0	0.0	0.0	0.0	0.0	4.5
496	17558055.85	4926716.85	213.50	0	D	8000	57.7	14.3	0.0	0.0	0.0	62.8	45.4	-2.4	0.0	0.0	0.0	0.0	0.0	-33.8
546	17558028.23	4926717.80	213.50	0	D	32	33.4	14.6	0.0	0.0	0.0	63.3	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-10.5
546	17558028.23	4926717.80	213.50	0	D	63	46.1	14.6	0.0	0.0	0.0	63.3	0.1	-4.9	0.0	0.0	0.0	0.0	0.0	2.2
546	17558028.23	4926717.80	213.50	0	D	125	57.8	14.6	0.0	0.0	0.0	63.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	8.8
546	17558028.23	4926717.80	213.50	0	D	250	64.4	14.6	0.0	0.0	0.0	63.3	0.4	4.6	0.0	0.0	0.0	0.0	0.0	10.6
546	17558028.23	4926717.80	213.50	0	D	500	67.0	14.6	0.0	0.0	0.0	63.3	0.8	2.5	0.0	0.0	0.0	0.0	0.0	14.9
546	17558028.23	4926717.80	213.50	0	D	1000	72.2	14.6	0.0	0.0	0.0	63.3	1.5	-1.8	0.0	0.0	0.0	0.0	0.0	23.7
546	17558028.23	4926717.80	213.50	0	D	2000	69.5	14.6	0.0	0.0	0.0	63.3	4.0	-2.5	0.0	0.0	0.0	0.0	0.0	19.2
546	17558028.23	4926717.80	213.50	0	D	4000	63.4	14.6	0.0	0.0	0.0	63.3	13.5	-2.5	0.0	0.0	0.0	0.0	0.0	3.5
546	17558028.23	4926717.80	213.50	0	D	8000	57.7	14.6	0.0	0.0	0.0	63.3	48.3	-2.5	0.0	0.0	0.0	0.0	0.0	-36.9
547	17558012.31	4926684.32	213.50	0	D	32	33.4	14.6	0.0	0.0										

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "!01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
547	17558012.31	4926684.32	213.50	0	D	63	46.1	14.6	0.0	0.0	0.0	63.4	0.1	-4.9	0.0	0.0	0.0	0.0	0.0	2.2
547	17558012.31	4926684.32	213.50	0	D	125	57.8	14.6	0.0	0.0	0.0	63.4	0.2	0.4	0.0	0.0	0.0	0.0	0.0	8.5
547	17558012.31	4926684.32	213.50	0	D	250	64.4	14.6	0.0	0.0	0.0	63.4	0.4	5.0	0.0	0.0	0.0	0.0	0.0	10.3
547	17558012.31	4926684.32	213.50	0	D	500	67.0	14.6	0.0	0.0	0.0	63.4	0.8	2.9	0.0	0.0	0.0	0.0	0.0	14.5
547	17558012.31	4926684.32	213.50	0	D	1000	72.2	14.6	0.0	0.0	0.0	63.4	1.5	-1.4	0.0	0.0	0.0	0.0	0.0	23.3
547	17558012.31	4926684.32	213.50	0	D	2000	69.5	14.6	0.0	0.0	0.0	63.4	4.0	-2.1	0.0	0.0	0.0	0.0	0.0	18.8
547	17558012.31	4926684.32	213.50	0	D	4000	63.4	14.6	0.0	0.0	0.0	63.4	13.6	-2.1	0.0	0.0	0.0	0.0	0.0	3.1
547	17558012.31	4926684.32	213.50	0	D	8000	57.7	14.6	0.0	0.0	0.0	63.4	48.5	-2.1	0.0	0.0	0.0	0.0	0.0	-37.5
548	17558005.37	4927146.03	213.50	0	D	32	33.4	19.5	0.0	0.0	0.0	68.2	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-9.9
548	17558005.37	4927146.03	213.50	0	D	63	46.1	19.5	0.0	0.0	0.0	68.2	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	2.7
548	17558005.37	4927146.03	213.50	0	D	125	57.8	19.5	0.0	0.0	0.0	68.2	0.3	0.7	0.0	0.0	0.0	0.0	0.0	8.1
548	17558005.37	4927146.03	213.50	0	D	250	64.4	19.5	0.0	0.0	0.0	68.2	0.8	3.5	0.0	0.0	0.0	0.0	0.0	11.5
548	17558005.37	4927146.03	213.50	0	D	500	67.0	19.5	0.0	0.0	0.0	68.2	1.4	1.4	0.0	0.0	0.0	0.0	0.0	15.5
548	17558005.37	4927146.03	213.50	0	D	1000	72.2	19.5	0.0	0.0	0.0	68.2	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	23.8
548	17558005.37	4927146.03	213.50	0	D	2000	69.5	19.5	0.0	0.0	0.0	68.2	7.0	-3.6	0.0	0.0	0.0	0.0	0.0	17.4
548	17558005.37	4927146.03	213.50	0	D	4000	63.4	19.5	0.0	0.0	0.0	68.2	23.7	-3.6	0.0	0.0	0.0	0.0	0.0	-5.4
548	17558005.37	4927146.03	213.50	0	D	8000	57.7	19.5	0.0	0.0	0.0	68.2	84.5	-3.6	0.0	0.0	0.0	0.0	0.0	-71.9
564	17558211.29	4927210.03	211.69	0	D	32	33.4	19.3	0.0	0.0	0.0	67.8	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-9.9
564	17558211.29	4927210.03	211.69	0	D	63	46.1	19.3	0.0	0.0	0.0	67.8	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	2.8
564	17558211.29	4927210.03	211.69	0	D	125	57.8	19.3	0.0	0.0	0.0	67.8	0.3	6.4	0.0	0.0	0.0	0.0	0.0	2.6
564	17558211.29	4927210.03	211.69	0	D	250	64.4	19.3	0.0	0.0	0.0	67.8	0.7	8.4	0.0	0.0	0.0	0.0	0.0	6.7
564	17558211.29	4927210.03	211.69	0	D	500	67.0	19.3	0.0	0.0	0.0	67.8	1.3	3.5	0.0	0.0	0.0	0.0	0.0	13.5
564	17558211.29	4927210.03	211.69	0	D	1000	72.2	19.3	0.0	0.0	0.0	67.8	2.5	-0.8	0.0	0.0	0.0	0.0	0.0	21.9
564	17558211.29	4927210.03	211.69	0	D	2000	69.5	19.3	0.0	0.0	0.0	67.8	6.7	-1.5	0.0	0.0	0.0	0.0	0.0	15.7
564	17558211.29	4927210.03	211.69	0	D	4000	63.4	19.3	0.0	0.0	0.0	67.8	22.8	-1.5	0.0	0.0	0.0	0.0	0.0	-6.5
564	17558211.29	4927210.03	211.69	0	D	8000	57.7	19.3	0.0	0.0	0.0	67.8	81.3	-1.5	0.0	0.0	0.0	0.0	0.0	-70.7
567	17558177.38	4927195.36	212.16	0	D	32	33.4	18.7	0.0	0.0	0.0	67.8	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-10.4
567	17558177.38	4927195.36	212.16	0	D	63	46.1	18.7	0.0	0.0	0.0	67.8	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	2.3
567	17558177.38	4927195.36	212.16	0	D	125	57.8	18.7	0.0	0.0	0.0	67.8	0.3	6.0	0.0	0.0	0.0	0.0	0.0	2.4
567	17558177.38	4927195.36	212.16	0	D	250	64.4	18.7	0.0	0.0	0.0	67.8	0.7	8.0	0.0	0.0	0.0	0.0	0.0	6.5
567	17558177.38	4927195.36	212.16	0	D	500	67.0	18.7	0.0	0.0	0.0	67.8	1.3	3.2	0.0	0.0	0.0	0.0	0.0	13.4
567	17558177.38	4927195.36	212.16	0	D	1000	72.2	18.7	0.0	0.0	0.0	67.8	2.5	-1.2	0.0	0.0	0.0	0.0	0.0	21.7
567	17558177.38	4927195.36	212.16	0	D	2000	69.5	18.7	0.0	0.0	0.0	67.8	6.7	-1.8	0.0	0.0	0.0	0.0	0.0	15.5
567	17558177.38	4927195.36	212.16	0	D	4000	63.4	18.7	0.0	0.0	0.0	67.8	22.7	-1.8	0.0	0.0	0.0	0.0	0.0	-6.5
567	17558177.38	4927195.36	212.16	0	D	8000	57.7	18.7	0.0	0.0	0.0	67.8	80.8	-1.8	0.0	0.0	0.0	0.0	0.0	-70.4
589	17558146.90	4927188.32	212.53	0	D	32	33.4	17.1	0.0	0.0	0.0	67.8	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-12.0
589	17558146.90	4927188.32	212.53	0	D	63	46.1	17.1	0.0	0.0	0.0	67.8	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	0.6
589	17558146.90	4927188.32	212.53	0	D	125	57.8	17.1	0.0	0.0	0.0	67.8	0.3	0.6	0.0	0.0	0.0	0.0	0.0	6.2
589	17558146.90	4927188.32	212.53	0	D	250	64.4	17.1	0.0	0.0	0.0	67.8	0.7	3.5	0.0	0.0	0.0	0.0	0.0	9.5
589	17558146.90	4927188.32	212.53	0	D	500	67.0	17.1	0.0	0.0	0.0	67.8	1.3	1.4	0.0	0.0	0.0	0.0	0.0	13.5
589	17558146.90	4927188.32	212.53	0	D	1000	72.2	17.1	0.0	0.0	0.0	67.8	2.5	-2.9	0.0	0.0	0.0	0.0	0.0	21.8
589	17558146.90	4927188.32	212.53	0	D	2000	69.5	17.1	0.0	0.0	0.0	67.8	6.7	-3.5	0.0	0.0	0.0	0.0	0.0	15.6
589	17558146.90	4927188.32	212.53	0	D	4000	63.4	17.1	0.0	0.0	0.0	67.8	22.8	-3.5	0.0	0.0	0.0	0.0	0.0	-6.6
589	17558146.90	4927188.32	212.53	0	D	8000	57.7	17.1	0.0	0.0	0.0	67.8	81.3	-3.5	0.0	0.0	0.0	0.0	0.0	-70.8
620	17557989.10	4927142.40	213.50	0	D	32	33.4	17.0	0.0	0.0	0.0	68.3	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-12.5
620	17557989.10	4927142.40	213.50	0	D	63	46.1	17.0	0.0	0.0	0.0	68.3	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	0.1
620	17557989.10	4927142.40	213.50	0	D	125	57.8	17.0	0.0	0.0	0.0	68.3	0.3	0.7	0.0	0.0	0.0	0.0	0.0	5.5
620	17557989.10	4927142.40	213.50	0	D	250	64.4	17.0	0.0	0.0	0.0	68.3	0.8	3.5	0.0	0.0	0.0	0.0	0.0	8.9
620	17557989.10	4927142.40	213.50	0	D	500	67.0	17.0	0.0	0.0	0.0	68.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	12.9
620	17557989.10	4927142.40	213.50	0	D	1000	72.2	17.0	0.0	0.0	0.0	68.3	2.7	-2.9	0.0	0.0	0.0	0.0	0.0	21.2
620	17557989.10	4927142.40	213.50	0	D	2000	69.5	17.0	0.0	0.0	0.0	68.3	7.0	-3.6	0.0	0.0	0.0	0.0	0.0	14.8
620	17557989.10	4927142.40	213.50	0	D	4000	63.4	17.0	0.0	0.0	0.0	68.3	23.9	-3.6	0.0	0.0	0.0	0.0	0.0	-8.2
620	17557989.10	4927142.40	213.50	0	D	8000	57.7	17.0	0.0	0.0	0.0	68.3	85.2	-3.6	0.0	0.0	0.0	0.0	0.0	-75.2
621	17557939.65	4927073.64	213.50	0	D	32	33.4	16.5	0.0	0.0	0.0	68.0	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-12.7
621	17557939.65	4927073.64	213.50	0	D	63	46.1	16.5	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	-0.1
621	17557939.65	4927073.64	213.50	0	D	125	57.8	16.5	0.0	0.0	0.0	68.0	0.3	0.7	0.0	0.0	0.0	0.0	0.0	5.4
621	17557939.65	4927073.64	213.50	0	D	250	64.4	16.5	0.0	0.0	0.0	68.0	0.7	3.5	0.0	0.0	0.0	0.0	0.0	8.7
621	17557939.65	4927073.64	213.50	0	D	500	67.0	16.5	0.0	0.0	0.0	68.0	1.4	1.5	0.0	0.0	0.0	0.0	0.0	12.7
621	17557939.65	4927073.64	213.50	0	D	1000	72.2	16.5	0.0	0.0	0.0	68.0	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	21.0
621	17557939.65	4927073.64	213.50	0	D	2000	69.5	16.5	0.0	0.0	0.0	68.0	6.8	-3.5	0.0	0.0	0.0	0.0	0.0	14.7
621	17557939.65	4927073.64	213.50	0	D	4000	63.4	16.5	0.0	0.0	0.0	68.0	23.1	-3.5	0.0	0.0	0.0	0.0	0.0	-7.7
621	17557939.65	4927073.64	213.50	0	D	8000	57.7	16.5	0.0	0.0	0.0	68.0	82.4	-3.5	0.0	0.0	0.0	0.0	0.0	-72.7
638	17557937.55	4927072.12	213.50	0	D	32	33.4	16.5	0.0	0.0	0									

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "I01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
638	17557937.55	4927072.12	213.50	0	D	63	46.1	16.5	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	-0.1
638	17557937.55	4927072.12	213.50	0	D	125	57.8	16.5	0.0	0.0	0.0	68.0	0.3	0.7	0.0	0.0	0.0	0.0	0.0	5.3
638	17557937.55	4927072.12	213.50	0	D	250	64.4	16.5	0.0	0.0	0.0	68.0	0.7	3.5	0.0	0.0	0.0	0.0	0.0	8.7
638	17557937.55	4927072.12	213.50	0	D	500	67.0	16.5	0.0	0.0	0.0	68.0	1.4	1.5	0.0	0.0	0.0	0.0	0.0	12.7
638	17557937.55	4927072.12	213.50	0	D	1000	72.2	16.5	0.0	0.0	0.0	68.0	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	21.0
638	17557937.55	4927072.12	213.50	0	D	2000	69.5	16.5	0.0	0.0	0.0	68.0	6.8	-3.5	0.0	0.0	0.0	0.0	0.0	14.7
638	17557937.55	4927072.12	213.50	0	D	4000	63.4	16.5	0.0	0.0	0.0	68.0	23.1	-3.5	0.0	0.0	0.0	0.0	0.0	-7.7
638	17557937.55	4927072.12	213.50	0	D	8000	57.7	16.5	0.0	0.0	0.0	68.0	82.4	-3.5	0.0	0.0	0.0	0.0	0.0	-72.7
639	17558232.43	4927212.32	211.46	0	D	32	33.4	16.1	0.0	0.0	0.0	67.8	0.0	-5.3	0.0	0.0	0.4	0.0	0.0	-13.3
639	17558232.43	4927212.32	211.46	0	D	63	46.1	16.1	0.0	0.0	0.0	67.8	0.1	-5.3	0.0	0.0	0.1	0.0	0.0	-0.4
639	17558232.43	4927212.32	211.46	0	D	125	57.8	16.1	0.0	0.0	0.0	67.8	0.3	6.7	0.0	0.0	0.0	0.0	0.0	-0.9
639	17558232.43	4927212.32	211.46	0	D	250	64.4	16.1	0.0	0.0	0.0	67.8	0.7	8.8	0.0	0.0	0.0	0.0	0.0	3.2
639	17558232.43	4927212.32	211.46	0	D	500	67.0	16.1	0.0	0.0	0.0	67.8	1.3	3.9	0.0	0.0	0.0	0.0	0.0	10.0
639	17558232.43	4927212.32	211.46	0	D	1000	72.2	16.1	0.0	0.0	0.0	67.8	2.5	-0.4	0.0	0.0	0.0	0.0	0.0	18.4
639	17558232.43	4927212.32	211.46	0	D	2000	69.5	16.1	0.0	0.0	0.0	67.8	6.7	-1.1	0.0	0.0	0.0	0.0	0.0	12.2
639	17558232.43	4927212.32	211.46	0	D	4000	63.4	16.1	0.0	0.0	0.0	67.8	22.7	-1.1	0.0	0.0	0.0	0.0	0.0	-9.9
639	17558232.43	4927212.32	211.46	0	D	8000	57.7	16.1	0.0	0.0	0.0	67.8	80.9	-1.1	0.0	0.0	0.0	0.0	0.0	-73.8
641	17558008.61	4926722.95	213.50	0	D	32	33.4	11.8	0.0	0.0	0.0	63.7	0.0	-5.0	0.0	0.0	0.0	0.0	0.0	-13.6
641	17558008.61	4926722.95	213.50	0	D	63	46.1	11.8	0.0	0.0	0.0	63.7	0.1	-5.0	0.0	0.0	0.0	0.0	0.0	-1.0
641	17558008.61	4926722.95	213.50	0	D	125	57.8	11.8	0.0	0.0	0.0	63.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	5.6
641	17558008.61	4926722.95	213.50	0	D	250	64.4	11.8	0.0	0.0	0.0	63.7	0.5	4.5	0.0	0.0	0.0	0.0	0.0	7.5
641	17558008.61	4926722.95	213.50	0	D	500	67.0	11.8	0.0	0.0	0.0	63.7	0.8	2.4	0.0	0.0	0.0	0.0	0.0	11.8
641	17558008.61	4926722.95	213.50	0	D	1000	72.2	11.8	0.0	0.0	0.0	63.7	1.6	-1.9	0.0	0.0	0.0	0.0	0.0	20.5
641	17558008.61	4926722.95	213.50	0	D	2000	69.5	11.8	0.0	0.0	0.0	63.7	4.2	-2.5	0.0	0.0	0.0	0.0	0.0	15.9
641	17558008.61	4926722.95	213.50	0	D	4000	63.4	11.8	0.0	0.0	0.0	63.7	14.2	-2.5	0.0	0.0	0.0	0.0	0.0	-0.2
641	17558008.61	4926722.95	213.50	0	D	8000	57.7	11.8	0.0	0.0	0.0	63.7	50.6	-2.5	0.0	0.0	0.0	0.0	0.0	-42.4
642	17557952.60	4927113.64	213.50	0	D	32	33.4	16.1	0.0	0.0	0.0	68.2	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-13.4
642	17557952.60	4927113.64	213.50	0	D	63	46.1	16.1	0.0	0.0	0.0	68.2	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	-0.7
642	17557952.60	4927113.64	213.50	0	D	125	57.8	16.1	0.0	0.0	0.0	68.2	0.3	0.7	0.0	0.0	0.0	0.0	0.0	4.6
642	17557952.60	4927113.64	213.50	0	D	250	64.4	16.1	0.0	0.0	0.0	68.2	0.8	3.5	0.0	0.0	0.0	0.0	0.0	8.0
642	17557952.60	4927113.64	213.50	0	D	500	67.0	16.1	0.0	0.0	0.0	68.2	1.4	1.4	0.0	0.0	0.0	0.0	0.0	12.0
642	17557952.60	4927113.64	213.50	0	D	1000	72.2	16.1	0.0	0.0	0.0	68.2	2.7	-2.9	0.0	0.0	0.0	0.0	0.0	20.3
642	17557952.60	4927113.64	213.50	0	D	2000	69.5	16.1	0.0	0.0	0.0	68.2	7.0	-3.6	0.0	0.0	0.0	0.0	0.0	13.9
642	17557952.60	4927113.64	213.50	0	D	4000	63.4	16.1	0.0	0.0	0.0	68.2	23.8	-3.6	0.0	0.0	0.0	0.0	0.0	-9.0
642	17557952.60	4927113.64	213.50	0	D	8000	57.7	16.1	0.0	0.0	0.0	68.2	85.1	-3.6	0.0	0.0	0.0	0.0	0.0	-75.9
644	17557947.59	4927108.88	213.50	0	D	32	33.4	15.2	0.0	0.0	0.0	68.2	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-14.3
644	17557947.59	4927108.88	213.50	0	D	63	46.1	15.2	0.0	0.0	0.0	68.2	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	-1.6
644	17557947.59	4927108.88	213.50	0	D	125	57.8	15.2	0.0	0.0	0.0	68.2	0.3	0.7	0.0	0.0	0.0	0.0	0.0	3.8
644	17557947.59	4927108.88	213.50	0	D	250	64.4	15.2	0.0	0.0	0.0	68.2	0.8	3.5	0.0	0.0	0.0	0.0	0.0	7.2
644	17557947.59	4927108.88	213.50	0	D	500	67.0	15.2	0.0	0.0	0.0	68.2	1.4	1.4	0.0	0.0	0.0	0.0	0.0	11.2
644	17557947.59	4927108.88	213.50	0	D	1000	72.2	15.2	0.0	0.0	0.0	68.2	2.7	-2.9	0.0	0.0	0.0	0.0	0.0	19.4
644	17557947.59	4927108.88	213.50	0	D	2000	69.5	15.2	0.0	0.0	0.0	68.2	7.0	-3.6	0.0	0.0	0.0	0.0	0.0	13.0
644	17557947.59	4927108.88	213.50	0	D	4000	63.4	15.2	0.0	0.0	0.0	68.2	23.8	-3.6	0.0	0.0	0.0	0.0	0.0	-9.9
644	17557947.59	4927108.88	213.50	0	D	8000	57.7	15.2	0.0	0.0	0.0	68.2	85.0	-3.6	0.0	0.0	0.0	0.0	0.0	-76.7
647	17558258.22	4927226.11	211.07	0	D	32	33.4	13.0	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.4	0.0	0.0	-16.5
647	17558258.22	4927226.11	211.07	0	D	63	46.1	13.0	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.1	0.0	0.0	-3.6
647	17558258.22	4927226.11	211.07	0	D	125	57.8	13.0	0.0	0.0	0.0	67.9	0.3	7.9	0.0	0.0	0.0	0.0	0.0	-5.3
647	17558258.22	4927226.11	211.07	0	D	250	64.4	13.0	0.0	0.0	0.0	67.9	0.7	9.9	0.0	0.0	0.0	0.0	0.0	-1.1
647	17558258.22	4927226.11	211.07	0	D	500	67.0	13.0	0.0	0.0	0.0	67.9	1.3	5.0	0.0	0.0	0.0	0.0	0.0	5.7
647	17558258.22	4927226.11	211.07	0	D	1000	72.2	13.0	0.0	0.0	0.0	67.9	2.6	0.7	0.0	0.0	0.0	0.0	0.0	14.1
647	17558258.22	4927226.11	211.07	0	D	2000	69.5	13.0	0.0	0.0	0.0	67.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0	7.8
647	17558258.22	4927226.11	211.07	0	D	4000	63.4	13.0	0.0	0.0	0.0	67.9	22.9	0.0	0.0	0.0	0.0	0.0	0.0	-14.4
647	17558258.22	4927226.11	211.07	0	D	8000	57.7	13.0	0.0	0.0	0.0	67.9	81.8	0.0	0.0	0.0	0.0	0.0	0.0	-79.0
648	17558255.83	4927229.12	211.07	0	D	32	33.4	11.2	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.3	0.0	0.0	-18.4
648	17558255.83	4927229.12	211.07	0	D	63	46.1	11.2	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.1	0.0	0.0	-5.5
648	17558255.83	4927229.12	211.07	0	D	125	57.8	11.2	0.0	0.0	0.0	67.9	0.3	7.9	0.0	0.0	0.0	0.0	0.0	-7.1
648	17558255.83	4927229.12	211.07	0	D	250	64.4	11.2	0.0	0.0	0.0	67.9	0.7	9.9	0.0	0.0	0.0	0.0	0.0	-3.0
648	17558255.83	4927229.12	211.07	0	D	500	67.0	11.2	0.0	0.0	0.0	67.9	1.4	5.0	0.0	0.0	0.0	0.0	0.0	3.9
648	17558255.83	4927229.12	211.07	0	D	1000	72.2	11.2	0.0	0.0	0.0	67.9	2.6	0.7	0.0	0.0	0.0	0.0	0.0	12.2
648	17558255.83	4927229.12	211.07	0	D	2000	69.5	11.2	0.0	0.0	0.0	67.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0	6.0
648	17558255.83	4927229.12	211.07	0	D	4000	63.4	11.2	0.0	0.0	0.0	67.9	23.0	0.0	0.0	0.0	0.0	0.0	0.0	-16.4
648	17558255.83	4927229.12	211.07	0	D	8000	57.7	11.2	0.0	0.0	0.0	67.9	82.2	0.0	0.0	0.0	0.0	0.0	0.0	-81.2
662	17557960.55	4927128.82	213.50	0	D	32	33.4	11.6	0.0	0.0	0.									

Line Source, ISO 9613, Name: "Heavy Truck - Clean Fill Route", ID: "I01!T1_Fill_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
662	17557960.55	4927128.82	213.50	0	D	63	46.1	11.6	0.0	0.0	0.0	68.3	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	-5.4
662	17557960.55	4927128.82	213.50	0	D	125	57.8	11.6	0.0	0.0	0.0	68.3	0.3	0.7	0.0	0.0	0.0	0.0	0.0	-0.0
662	17557960.55	4927128.82	213.50	0	D	250	64.4	11.6	0.0	0.0	0.0	68.3	0.8	3.5	0.0	0.0	0.0	0.0	0.0	3.4
662	17557960.55	4927128.82	213.50	0	D	500	67.0	11.6	0.0	0.0	0.0	68.3	1.4	1.4	0.0	0.0	0.0	0.0	0.0	7.4
662	17557960.55	4927128.82	213.50	0	D	1000	72.2	11.6	0.0	0.0	0.0	68.3	2.7	-2.9	0.0	0.0	0.0	0.0	0.0	15.6
662	17557960.55	4927128.82	213.50	0	D	2000	69.5	11.6	0.0	0.0	0.0	68.3	7.1	-3.6	0.0	0.0	0.0	0.0	0.0	9.2
662	17557960.55	4927128.82	213.50	0	D	4000	63.4	11.6	0.0	0.0	0.0	68.3	24.1	-3.6	0.0	0.0	0.0	0.0	0.0	-13.9
662	17557960.55	4927128.82	213.50	0	D	8000	57.7	11.6	0.0	0.0	0.0	68.3	85.9	-3.6	0.0	0.0	0.0	0.0	0.0	-81.4

Point Source, ISO 9613, Name: "Heavy Truck Idle - Clean Fill", ID: "I01!T1_Idle"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
77	17558318.21	4926676.61	213.00	0	D	32	61.7	0.0	-7.8	0.0	0.0	55.0	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	2.3
77	17558318.21	4926676.61	213.00	0	D	63	74.4	0.0	-7.8	0.0	0.0	55.0	0.0	-3.5	0.0	0.0	0.0	0.0	0.0	15.0
77	17558318.21	4926676.61	213.00	0	D	125	82.2	0.0	-7.8	0.0	0.0	55.0	0.1	1.4	0.0	0.0	0.0	0.0	0.0	17.9
77	17558318.21	4926676.61	213.00	0	D	250	85.6	0.0	-7.8	0.0	0.0	55.0	0.2	8.1	0.0	0.0	0.0	0.0	0.0	14.5
77	17558318.21	4926676.61	213.00	0	D	500	93.7	0.0	-7.8	0.0	0.0	55.0	0.3	4.2	0.0	0.0	0.0	0.0	0.0	26.4
77	17558318.21	4926676.61	213.00	0	D	1000	97.0	0.0	-7.8	0.0	0.0	55.0	0.6	-0.0	0.0	0.0	0.0	0.0	0.0	33.6
77	17558318.21	4926676.61	213.00	0	D	2000	95.4	0.0	-7.8	0.0	0.0	55.0	1.5	-0.7	0.0	0.0	0.0	0.0	0.0	31.7
77	17558318.21	4926676.61	213.00	0	D	4000	88.4	0.0	-7.8	0.0	0.0	55.0	5.2	-0.7	0.0	0.0	0.0	0.0	0.0	21.0
77	17558318.21	4926676.61	213.00	0	D	8000	80.5	0.0	-7.8	0.0	0.0	55.0	18.6	-0.7	0.0	0.0	0.0	0.0	0.0	-0.3

Line Source, ISO 9613, Name: "Heavy Truck - Concrete Route", ID: "I01!T2_Concrete_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
128	17557960.32	4926917.45	213.50	0	D	32	33.4	24.5	0.0	0.0	0.0	66.3	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-3.2
128	17557960.32	4926917.45	213.50	0	D	63	46.1	24.5	0.0	0.0	0.0	66.3	0.1	-5.2	0.0	0.0	0.0	0.0	0.0	9.5
128	17557960.32	4926917.45	213.50	0	D	125	57.8	24.5	0.0	0.0	0.0	66.3	0.2	0.3	0.0	0.0	0.0	0.0	0.0	15.5
128	17557960.32	4926917.45	213.50	0	D	250	64.4	24.5	0.0	0.0	0.0	66.3	0.6	3.8	0.0	0.0	0.0	0.0	0.0	18.2
128	17557960.32	4926917.45	213.50	0	D	500	67.0	24.5	0.0	0.0	0.0	66.3	1.1	1.7	0.0	0.0	0.0	0.0	0.0	22.4
128	17557960.32	4926917.45	213.50	0	D	1000	72.2	24.5	0.0	0.0	0.0	66.3	2.1	-2.6	0.0	0.0	0.0	0.0	0.0	30.9
128	17557960.32	4926917.45	213.50	0	D	2000	69.5	24.5	0.0	0.0	0.0	66.3	5.6	-3.2	0.0	0.0	0.0	0.0	0.0	25.3
128	17557960.32	4926917.45	213.50	0	D	4000	63.4	24.5	0.0	0.0	0.0	66.3	19.0	-3.2	0.0	0.0	0.0	0.0	0.0	5.8
128	17557960.32	4926917.45	213.50	0	D	8000	57.7	24.5	0.0	0.0	0.0	66.3	67.8	-3.2	0.0	0.0	0.0	0.0	0.0	-48.7
146	17557987.92	4926787.60	213.50	0	D	32	33.4	21.9	0.0	0.0	0.0	64.7	0.0	-5.1	0.0	0.0	0.0	0.0	0.0	-4.3
146	17557987.92	4926787.60	213.50	0	D	63	46.1	21.9	0.0	0.0	0.0	64.7	0.1	-5.1	0.0	0.0	0.0	0.0	0.0	8.3
146	17557987.92	4926787.60	213.50	0	D	125	57.8	21.9	0.0	0.0	0.0	64.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	14.8
146	17557987.92	4926787.60	213.50	0	D	250	64.4	21.9	0.0	0.0	0.0	64.7	0.5	4.2	0.0	0.0	0.0	0.0	0.0	17.0
146	17557987.92	4926787.60	213.50	0	D	500	67.0	21.9	0.0	0.0	0.0	64.7	0.9	2.1	0.0	0.0	0.0	0.0	0.0	21.2
146	17557987.92	4926787.60	213.50	0	D	1000	72.2	21.9	0.0	0.0	0.0	64.7	1.8	-2.2	0.0	0.0	0.0	0.0	0.0	29.9
146	17557987.92	4926787.60	213.50	0	D	2000	69.5	21.9	0.0	0.0	0.0	64.7	4.7	-2.9	0.0	0.0	0.0	0.0	0.0	24.9
146	17557987.92	4926787.60	213.50	0	D	4000	63.4	21.9	0.0	0.0	0.0	64.7	15.8	-2.9	0.0	0.0	0.0	0.0	0.0	7.7
146	17557987.92	4926787.60	213.50	0	D	8000	57.7	21.9	0.0	0.0	0.0	64.7	56.3	-2.9	0.0	0.0	0.0	0.0	0.0	-38.5
164	17557949.52	4926960.89	213.50	0	D	32	33.4	23.0	0.0	0.0	0.0	66.8	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-5.1
164	17557949.52	4926960.89	213.50	0	D	63	46.1	23.0	0.0	0.0	0.0	66.8	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	7.5
164	17557949.52	4926960.89	213.50	0	D	125	57.8	23.0	0.0	0.0	0.0	66.8	0.3	0.4	0.0	0.0	0.0	0.0	0.0	13.3
164	17557949.52	4926960.89	213.50	0	D	250	64.4	23.0	0.0	0.0	0.0	66.8	0.6	3.7	0.0	0.0	0.0	0.0	0.0	16.3
164	17557949.52	4926960.89	213.50	0	D	500	67.0	23.0	0.0	0.0	0.0	66.8	1.2	1.6	0.0	0.0	0.0	0.0	0.0	20.4
164	17557949.52	4926960.89	213.50	0	D	1000	72.2	23.0	0.0	0.0	0.0	66.8	2.3	-2.7	0.0	0.0	0.0	0.0	0.0	28.8
164	17557949.52	4926960.89	213.50	0	D	2000	69.5	23.0	0.0	0.0	0.0	66.8	6.0	-3.3	0.0	0.0	0.0	0.0	0.0	23.1
164	17557949.52	4926960.89	213.50	0	D	4000	63.4	23.0	0.0	0.0	0.0	66.8	20.2	-3.3	0.0	0.0	0.0	0.0	0.0	2.7
164	17557949.52	4926960.89	213.50	0	D	8000	57.7	23.0	0.0	0.0	0.0	66.8	72.1	-3.3	0.0	0.0	0.0	0.0	0.0	-54.9
177	17558001.36	4926729.52	213.50	0	D	32	33.4	20.2	0.0	0.0	0.0	63.9	0.0	-5.0	0.0	0.0	0.0	0.0	0.0	-5.4
177	17558001.36	4926729.52	213.50	0	D	63	46.1	20.2	0.0	0.0	0.0	63.9	0.1	-5.0	0.0	0.0	0.0	0.0	0.0	7.3
177	17558001.36	4926729.52	213.50	0	D	125	57.8	20.2	0.0	0.0	0.0	63.9	0.2	0.1	0.0	0.0	0.0	0.0	0.0	13.8
177	17558001.36	4926729.52	213.50	0	D	250	64.4	20.2	0.0	0.0	0.0	63.9	0.5	4.4	0.0	0.0	0.0	0.0	0.0	15.7
177	17558001.36	4926729.52	213.50	0	D	500	67.0	20.2	0.0	0.0	0.0	63.9	0.9	2.4	0.0	0.0	0.0	0.0	0.0	20.0
177	17558001.36	4926729.52	213.50	0	D	1000	72.2	20.2	0.0	0.0	0.0	63.9	1.6	-1.9	0.0	0.0	0.0	0.0	0.0	28.7
177	17558001.36	4926729.52	213.50	0	D	2000	69.5	20.2	0.0	0.0	0.0	63.9	4.3	-2.6	0.0	0.0	0.0	0.0	0.0	24.0
177	17558001.36	4926729.52	213.50	0	D	4000	63.4	20.2	0.0	0.0	0.0	63.9	14.5	-2.6	0.0	0.0	0.0	0.0	0.0	7.7
177	17558001.36	4926729.52	213.50	0	D	8000	57.7	20.2	0.0	0.0	0.0	63.9	51.7	-2.6	0.0	0.0	0.0	0.0	0.0	-35.2
229	17558059.38	4926672.86	213.50	0	D	32	33.4	17.4	0.0	0.0	0.0	62.3	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	-6.8
229	17558059.38	4926672.86	213.50	0	D	63	46.1	17.4	0.0	0.0	0.0	62.3	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	5.9

Line Source, ISO 9613, Name: "Heavy Truck - Concrete Route", ID: "I01!T2_Concrete_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
229	17558059.38	4926672.86	213.50	0	D	125	57.8	17.4	0.0	0.0	0.0	62.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0	12.6
229	17558059.38	4926672.86	213.50	0	D	250	64.4	17.4	0.0	0.0	0.0	62.3	0.4	5.0	0.0	0.0	0.0	0.0	0.0	14.1
229	17558059.38	4926672.86	213.50	0	D	500	67.0	17.4	0.0	0.0	0.0	62.3	0.7	2.9	0.0	0.0	0.0	0.0	0.0	18.4
229	17558059.38	4926672.86	213.50	0	D	1000	72.2	17.4	0.0	0.0	0.0	62.3	1.3	-1.4	0.0	0.0	0.0	0.0	0.0	27.3
229	17558059.38	4926672.86	213.50	0	D	2000	69.5	17.4	0.0	0.0	0.0	62.3	3.5	-2.1	0.0	0.0	0.0	0.0	0.0	23.1
229	17558059.38	4926672.86	213.50	0	D	4000	63.4	17.4	0.0	0.0	0.0	62.3	12.0	-2.1	0.0	0.0	0.0	0.0	0.0	8.5
229	17558059.38	4926672.86	213.50	0	D	8000	57.7	17.4	0.0	0.0	0.0	62.3	42.9	-2.1	0.0	0.0	0.0	0.0	0.0	-28.1
233	17558057.58	4926664.37	213.50	0	D	32	33.4	17.2	0.0	0.0	0.0	62.3	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	-6.9
233	17558057.58	4926664.37	213.50	0	D	63	46.1	17.2	0.0	0.0	0.0	62.3	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	5.8
233	17558057.58	4926664.37	213.50	0	D	125	57.8	17.2	0.0	0.0	0.0	62.3	0.2	2.4	0.0	0.0	0.0	0.0	0.0	10.2
233	17558057.58	4926664.37	213.50	0	D	250	64.4	17.2	0.0	0.0	0.0	62.3	0.4	7.3	0.0	0.0	0.0	0.0	0.0	11.7
233	17558057.58	4926664.37	213.50	0	D	500	67.0	17.2	0.0	0.0	0.0	62.3	0.7	3.8	0.0	0.0	0.0	0.0	0.0	17.4
233	17558057.58	4926664.37	213.50	0	D	1000	72.2	17.2	0.0	0.0	0.0	62.3	1.3	-0.5	0.0	0.0	0.0	0.0	0.0	26.3
233	17558057.58	4926664.37	213.50	0	D	2000	69.5	17.2	0.0	0.0	0.0	62.3	3.5	-1.2	0.0	0.0	0.0	0.0	0.0	22.1
233	17558057.58	4926664.37	213.50	0	D	4000	63.4	17.2	0.0	0.0	0.0	62.3	12.0	-1.2	0.0	0.0	0.0	0.0	0.0	7.5
233	17558057.58	4926664.37	213.50	0	D	8000	57.7	17.2	0.0	0.0	0.0	62.3	42.7	-1.2	0.0	0.0	0.0	0.0	0.0	-28.9
334	17558050.28	4927157.35	213.08	0	D	32	33.4	22.7	0.0	0.0	0.0	68.0	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-6.6
334	17558050.28	4927157.35	213.08	0	D	63	46.1	22.7	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	6.0
334	17558050.28	4927157.35	213.08	0	D	125	57.8	22.7	0.0	0.0	0.0	68.0	0.3	0.7	0.0	0.0	0.0	0.0	0.0	11.5
334	17558050.28	4927157.35	213.08	0	D	250	64.4	22.7	0.0	0.0	0.0	68.0	0.7	3.5	0.0	0.0	0.0	0.0	0.0	14.8
334	17558050.28	4927157.35	213.08	0	D	500	67.0	22.7	0.0	0.0	0.0	68.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	18.8
334	17558050.28	4927157.35	213.08	0	D	1000	72.2	22.7	0.0	0.0	0.0	68.0	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	27.1
334	17558050.28	4927157.35	213.08	0	D	2000	69.5	22.7	0.0	0.0	0.0	68.0	6.9	-3.6	0.0	0.0	0.0	0.0	0.0	20.8
334	17558050.28	4927157.35	213.08	0	D	4000	63.4	22.7	0.0	0.0	0.0	68.0	23.2	-3.6	0.0	0.0	0.0	0.0	0.0	-1.7
334	17558050.28	4927157.35	213.08	0	D	8000	57.7	22.7	0.0	0.0	0.0	68.0	82.9	-3.6	0.0	0.0	0.0	0.0	0.0	-67.0
335	17558046.96	4927157.94	213.11	0	D	32	33.4	22.6	0.0	0.0	0.0	68.0	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-6.7
335	17558046.96	4927157.94	213.11	0	D	63	46.1	22.6	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	5.9
335	17558046.96	4927157.94	213.11	0	D	125	57.8	22.6	0.0	0.0	0.0	68.0	0.3	0.7	0.0	0.0	0.0	0.0	0.0	11.4
335	17558046.96	4927157.94	213.11	0	D	250	64.4	22.6	0.0	0.0	0.0	68.0	0.7	3.5	0.0	0.0	0.0	0.0	0.0	14.7
335	17558046.96	4927157.94	213.11	0	D	500	67.0	22.6	0.0	0.0	0.0	68.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	18.8
335	17558046.96	4927157.94	213.11	0	D	1000	72.2	22.6	0.0	0.0	0.0	68.0	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	27.0
335	17558046.96	4927157.94	213.11	0	D	2000	69.5	22.6	0.0	0.0	0.0	68.0	6.9	-3.6	0.0	0.0	0.0	0.0	0.0	20.7
335	17558046.96	4927157.94	213.11	0	D	4000	63.4	22.6	0.0	0.0	0.0	68.0	23.3	-3.6	0.0	0.0	0.0	0.0	0.0	-1.8
335	17558046.96	4927157.94	213.11	0	D	8000	57.7	22.6	0.0	0.0	0.0	68.0	83.2	-3.6	0.0	0.0	0.0	0.0	0.0	-67.4
385	17558022.00	4926692.32	213.50	0	D	32	33.4	16.7	0.0	0.0	0.0	63.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-8.2
385	17558022.00	4926692.32	213.50	0	D	63	46.1	16.7	0.0	0.0	0.0	63.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	4.4
385	17558022.00	4926692.32	213.50	0	D	125	57.8	16.7	0.0	0.0	0.0	63.2	0.2	0.1	0.0	0.0	0.0	0.0	0.0	11.0
385	17558022.00	4926692.32	213.50	0	D	250	64.4	16.7	0.0	0.0	0.0	63.2	0.4	4.7	0.0	0.0	0.0	0.0	0.0	12.8
385	17558022.00	4926692.32	213.50	0	D	500	67.0	16.7	0.0	0.0	0.0	63.2	0.8	2.6	0.0	0.0	0.0	0.0	0.0	17.1
385	17558022.00	4926692.32	213.50	0	D	1000	72.2	16.7	0.0	0.0	0.0	63.2	1.5	-1.7	0.0	0.0	0.0	0.0	0.0	25.9
385	17558022.00	4926692.32	213.50	0	D	2000	69.5	16.7	0.0	0.0	0.0	63.2	4.0	-2.3	0.0	0.0	0.0	0.0	0.0	21.4
385	17558022.00	4926692.32	213.50	0	D	4000	63.4	16.7	0.0	0.0	0.0	63.2	13.4	-2.3	0.0	0.0	0.0	0.0	0.0	5.8
385	17558022.00	4926692.32	213.50	0	D	8000	57.7	16.7	0.0	0.0	0.0	63.2	47.8	-2.3	0.0	0.0	0.0	0.0	0.0	-34.3
457	17558191.21	4927198.98	211.99	0	D	32	33.4	20.7	0.0	0.0	0.0	67.8	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-8.4
457	17558191.21	4927198.98	211.99	0	D	63	46.1	20.7	0.0	0.0	0.0	67.8	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	4.3
457	17558191.21	4927198.98	211.99	0	D	125	57.8	20.7	0.0	0.0	0.0	67.8	0.3	6.1	0.0	0.0	0.0	0.0	0.0	4.3
457	17558191.21	4927198.98	211.99	0	D	250	64.4	20.7	0.0	0.0	0.0	67.8	0.7	8.1	0.0	0.0	0.0	0.0	0.0	8.4
457	17558191.21	4927198.98	211.99	0	D	500	67.0	20.7	0.0	0.0	0.0	67.8	1.3	3.3	0.0	0.0	0.0	0.0	0.0	15.3
457	17558191.21	4927198.98	211.99	0	D	1000	72.2	20.7	0.0	0.0	0.0	67.8	2.5	-1.1	0.0	0.0	0.0	0.0	0.0	23.6
457	17558191.21	4927198.98	211.99	0	D	2000	69.5	20.7	0.0	0.0	0.0	67.8	6.7	-1.7	0.0	0.0	0.0	0.0	0.0	17.5
457	17558191.21	4927198.98	211.99	0	D	4000	63.4	20.7	0.0	0.0	0.0	67.8	22.6	-1.7	0.0	0.0	0.0	0.0	0.0	-4.6
457	17558191.21	4927198.98	211.99	0	D	8000	57.7	20.7	0.0	0.0	0.0	67.8	80.7	-1.7	0.0	0.0	0.0	0.0	0.0	-68.4
493	17558186.65	4927199.46	212.03	0	D	32	33.4	20.0	0.0	0.0	0.0	67.8	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-9.1
493	17558186.65	4927199.46	212.03	0	D	63	46.1	20.0	0.0	0.0	0.0	67.8	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	3.6
493	17558186.65	4927199.46	212.03	0	D	125	57.8	20.0	0.0	0.0	0.0	67.8	0.3	6.1	0.0	0.0	0.0	0.0	0.0	3.7
493	17558186.65	4927199.46	212.03	0	D	250	64.4	20.0	0.0	0.0	0.0	67.8	0.7	8.1	0.0	0.0	0.0	0.0	0.0	7.8
493	17558186.65	4927199.46	212.03	0	D	500	67.0	20.0	0.0	0.0	0.0	67.8	1.3	3.3	0.0	0.0	0.0	0.0	0.0	14.6
493	17558186.65	4927199.46	212.03	0	D	1000	72.2	20.0	0.0	0.0	0.0	67.8	2.5	-1.1	0.0	0.0	0.0	0.0	0.0	23.0
493	17558186.65	4927199.46	212.03	0	D	2000	69.5	20.0	0.0	0.0	0.0	67.8	6.7	-1.8	0.0	0.0	0.0	0.0	0.0	16.8
493	17558186.65	4927199.46	212.03	0	D	4000	63.4	20.0	0.0	0.0	0.0	67.8	22.7	-1.8	0.0	0.0	0.0	0.0	0.0	-5.3
493	17558186.65	4927199.46	212.03	0	D	8000	57.7	20.0	0.0	0.0	0.0	67.8	80.9	-1.8	0.0	0.0	0.0	0.0	0.0	-69.3
565	17557947.12	4927096.98	213.50	0	D	32	33.4	18.9	0.0	0.0	0.0	68.1	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-10.5
565	17557947.12	4927096.98	213.50	0	D	63	46.1	18.9	0.0	0.0</										

Line Source, ISO 9613, Name: "Heavy Truck - Concrete Route", ID: "I01!T2_Concrete_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
565	17557947.12	4927096.98	213.50	0	D	125	57.8	18.9	0.0	0.0	0.0	68.1	0.3	0.7	0.0	0.0	0.0	0.0	0.0	7.5
565	17557947.12	4927096.98	213.50	0	D	250	64.4	18.9	0.0	0.0	0.0	68.1	0.7	3.5	0.0	0.0	0.0	0.0	0.0	10.9
565	17557947.12	4927096.98	213.50	0	D	500	67.0	18.9	0.0	0.0	0.0	68.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	14.9
565	17557947.12	4927096.98	213.50	0	D	1000	72.2	18.9	0.0	0.0	0.0	68.1	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	23.2
565	17557947.12	4927096.98	213.50	0	D	2000	69.5	18.9	0.0	0.0	0.0	68.1	6.9	-3.5	0.0	0.0	0.0	0.0	0.0	16.8
565	17557947.12	4927096.98	213.50	0	D	4000	63.4	18.9	0.0	0.0	0.0	68.1	23.5	-3.5	0.0	0.0	0.0	0.0	0.0	-5.9
565	17557947.12	4927096.98	213.50	0	D	8000	57.7	18.9	0.0	0.0	0.0	68.1	83.9	-3.5	0.0	0.0	0.0	0.0	0.0	-72.0
569	17558024.16	4926671.67	213.50	0	D	32	33.4	13.4	0.0	0.0	0.0	63.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-11.4
569	17558024.16	4926671.67	213.50	0	D	63	46.1	13.4	0.0	0.0	0.0	63.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	1.3
569	17558024.16	4926671.67	213.50	0	D	125	57.8	13.4	0.0	0.0	0.0	63.0	0.2	1.8	0.0	0.0	0.0	0.0	0.0	6.2
569	17558024.16	4926671.67	213.50	0	D	250	64.4	13.4	0.0	0.0	0.0	63.0	0.4	6.4	0.0	0.0	0.0	0.0	0.0	7.9
569	17558024.16	4926671.67	213.50	0	D	500	67.0	13.4	0.0	0.0	0.0	63.0	0.8	3.7	0.0	0.0	0.0	0.0	0.0	12.9
569	17558024.16	4926671.67	213.50	0	D	1000	72.2	13.4	0.0	0.0	0.0	63.0	1.5	-0.6	0.0	0.0	0.0	0.0	0.0	21.7
569	17558024.16	4926671.67	213.50	0	D	2000	69.5	13.4	0.0	0.0	0.0	63.0	3.9	-1.3	0.0	0.0	0.0	0.0	0.0	17.3
569	17558024.16	4926671.67	213.50	0	D	4000	63.4	13.4	0.0	0.0	0.0	63.0	13.1	-1.3	0.0	0.0	0.0	0.0	0.0	1.9
569	17558024.16	4926671.67	213.50	0	D	8000	57.7	13.4	0.0	0.0	0.0	63.0	46.7	-1.3	0.0	0.0	0.0	0.0	0.0	-37.4
576	17557941.12	4927083.54	213.50	0	D	32	33.4	17.5	0.0	0.0	0.0	68.0	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-11.8
576	17557941.12	4927083.54	213.50	0	D	63	46.1	17.5	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	0.8
576	17557941.12	4927083.54	213.50	0	D	125	57.8	17.5	0.0	0.0	0.0	68.0	0.3	0.7	0.0	0.0	0.0	0.0	0.0	6.3
576	17557941.12	4927083.54	213.50	0	D	250	64.4	17.5	0.0	0.0	0.0	68.0	0.7	3.5	0.0	0.0	0.0	0.0	0.0	9.6
576	17557941.12	4927083.54	213.50	0	D	500	67.0	17.5	0.0	0.0	0.0	68.0	1.4	1.4	0.0	0.0	0.0	0.0	0.0	13.6
576	17557941.12	4927083.54	213.50	0	D	1000	72.2	17.5	0.0	0.0	0.0	68.0	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	21.9
576	17557941.12	4927083.54	213.50	0	D	2000	69.5	17.5	0.0	0.0	0.0	68.0	6.9	-3.5	0.0	0.0	0.0	0.0	0.0	15.6
576	17557941.12	4927083.54	213.50	0	D	4000	63.4	17.5	0.0	0.0	0.0	68.0	23.3	-3.5	0.0	0.0	0.0	0.0	0.0	-6.9
576	17557941.12	4927083.54	213.50	0	D	8000	57.7	17.5	0.0	0.0	0.0	68.0	83.2	-3.5	0.0	0.0	0.0	0.0	0.0	-72.5
640	17558085.36	4926670.11	213.50	0	D	32	33.4	9.9	0.0	0.0	0.0	61.7	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	-13.8
640	17558085.36	4926670.11	213.50	0	D	63	46.1	9.9	0.0	0.0	0.0	61.7	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	-1.1
640	17558085.36	4926670.11	213.50	0	D	125	57.8	9.9	0.0	0.0	0.0	61.7	0.1	0.1	0.0	0.0	0.0	0.0	0.0	5.8
640	17558085.36	4926670.11	213.50	0	D	250	64.4	9.9	0.0	0.0	0.0	61.7	0.4	5.1	0.0	0.0	0.0	0.0	0.0	7.1
640	17558085.36	4926670.11	213.50	0	D	500	67.0	9.9	0.0	0.0	0.0	61.7	0.7	3.0	0.0	0.0	0.0	0.0	0.0	11.5
640	17558085.36	4926670.11	213.50	0	D	1000	72.2	9.9	0.0	0.0	0.0	61.7	1.3	-1.3	0.0	0.0	0.0	0.0	0.0	20.4
640	17558085.36	4926670.11	213.50	0	D	2000	69.5	9.9	0.0	0.0	0.0	61.7	3.3	-1.9	0.0	0.0	0.0	0.0	0.0	16.3
640	17558085.36	4926670.11	213.50	0	D	4000	63.4	9.9	0.0	0.0	0.0	61.7	11.2	-1.9	0.0	0.0	0.0	0.0	0.0	2.3
640	17558085.36	4926670.11	213.50	0	D	8000	57.7	9.9	0.0	0.0	0.0	61.7	39.9	-1.9	0.0	0.0	0.0	0.0	0.0	-32.2
643	17558247.37	4927225.38	211.19	0	D	32	33.4	15.0	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.4	0.0	0.0	-14.6
643	17558247.37	4927225.38	211.19	0	D	63	46.1	15.0	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.1	0.0	0.0	-1.7
643	17558247.37	4927225.38	211.19	0	D	125	57.8	15.0	0.0	0.0	0.0	67.9	0.3	7.5	0.0	0.0	0.0	0.0	0.0	-3.0
643	17558247.37	4927225.38	211.19	0	D	250	64.4	15.0	0.0	0.0	0.0	67.9	0.7	9.5	0.0	0.0	0.0	0.0	0.0	1.2
643	17558247.37	4927225.38	211.19	0	D	500	67.0	15.0	0.0	0.0	0.0	67.9	1.4	4.7	0.0	0.0	0.0	0.0	0.0	8.0
643	17558247.37	4927225.38	211.19	0	D	1000	72.2	15.0	0.0	0.0	0.0	67.9	2.6	0.3	0.0	0.0	0.0	0.0	0.0	16.4
643	17558247.37	4927225.38	211.19	0	D	2000	69.5	15.0	0.0	0.0	0.0	67.9	6.8	-0.4	0.0	0.0	0.0	0.0	0.0	10.1
643	17558247.37	4927225.38	211.19	0	D	4000	63.4	15.0	0.0	0.0	0.0	67.9	23.0	-0.4	0.0	0.0	0.0	0.0	0.0	-12.2
643	17558247.37	4927225.38	211.19	0	D	8000	57.7	15.0	0.0	0.0	0.0	67.9	82.0	-0.4	0.0	0.0	0.0	0.0	0.0	-76.9
645	17558255.11	4927224.93	211.11	0	D	32	33.4	13.7	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.4	0.0	0.0	-15.8
645	17558255.11	4927224.93	211.11	0	D	63	46.1	13.7	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.1	0.0	0.0	-2.9
645	17558255.11	4927224.93	211.11	0	D	125	57.8	13.7	0.0	0.0	0.0	67.9	0.3	7.9	0.0	0.0	0.0	0.0	0.0	-4.5
645	17558255.11	4927224.93	211.11	0	D	250	64.4	13.7	0.0	0.0	0.0	67.9	0.7	9.9	0.0	0.0	0.0	0.0	0.0	-0.4
645	17558255.11	4927224.93	211.11	0	D	500	67.0	13.7	0.0	0.0	0.0	67.9	1.3	5.0	0.0	0.0	0.0	0.0	0.0	6.5
645	17558255.11	4927224.93	211.11	0	D	1000	72.2	13.7	0.0	0.0	0.0	67.9	2.6	0.7	0.0	0.0	0.0	0.0	0.0	14.8
645	17558255.11	4927224.93	211.11	0	D	2000	69.5	13.7	0.0	0.0	0.0	67.9	6.8	0.0	0.0	0.0	0.0	0.0	0.0	8.6
645	17558255.11	4927224.93	211.11	0	D	4000	63.4	13.7	0.0	0.0	0.0	67.9	22.9	0.0	0.0	0.0	0.0	0.0	0.0	-13.7
645	17558255.11	4927224.93	211.11	0	D	8000	57.7	13.7	0.0	0.0	0.0	67.9	81.7	0.0						

Line Source, ISO 9613, Name: "Heavy Truck - Top Soil", ID: "I01!T3_Soil_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
179	17558089.38	4927169.15	212.59	0	D	32	33.4	24.2	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-5.0
179	17558089.38	4927169.15	212.59	0	D	63	46.1	24.2	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	7.6
179	17558089.38	4927169.15	212.59	0	D	125	57.8	24.2	0.0	0.0	0.0	67.9	0.3	0.6	0.0	0.0	0.0	0.0	0.0	13.1
179	17558089.38	4927169.15	212.59	0	D	250	64.4	24.2	0.0	0.0	0.0	67.9	0.7	3.5	0.0	0.0	0.0	0.0	0.0	16.4
179	17558089.38	4927169.15	212.59	0	D	500	67.0	24.2	0.0	0.0	0.0	67.9	1.4	1.4	0.0	0.0	0.0	0.0	0.0	20.5
179	17558089.38	4927169.15	212.59	0	D	1000	72.2	24.2	0.0	0.0	0.0	67.9	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	28.8
179	17558089.38	4927169.15	212.59	0	D	2000	69.5	24.2	0.0	0.0	0.0	67.9	6.8	-3.6	0.0	0.0	0.0	0.0	0.0	22.5
179	17558089.38	4927169.15	212.59	0	D	4000	63.4	24.2	0.0	0.0	0.0	67.9	23.0	-3.6	0.0	0.0	0.0	0.0	0.0	0.2
179	17558089.38	4927169.15	212.59	0	D	8000	57.7	24.2	0.0	0.0	0.0	67.9	82.0	-3.6	0.0	0.0	0.0	0.0	0.0	-64.5
255	17557945.92	4926990.65	213.50	0	D	32	33.4	21.5	0.0	0.0	0.0	67.1	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-6.9
255	17557945.92	4926990.65	213.50	0	D	63	46.1	21.5	0.0	0.0	0.0	67.1	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	5.7
255	17557945.92	4926990.65	213.50	0	D	125	57.8	21.5	0.0	0.0	0.0	67.1	0.3	0.5	0.0	0.0	0.0	0.0	0.0	11.4
255	17557945.92	4926990.65	213.50	0	D	250	64.4	21.5	0.0	0.0	0.0	67.1	0.7	3.6	0.0	0.0	0.0	0.0	0.0	14.5
255	17557945.92	4926990.65	213.50	0	D	500	67.0	21.5	0.0	0.0	0.0	67.1	1.2	1.6	0.0	0.0	0.0	0.0	0.0	18.6
255	17557945.92	4926990.65	213.50	0	D	1000	72.2	21.5	0.0	0.0	0.0	67.1	2.3	-2.7	0.0	0.0	0.0	0.0	0.0	27.0
255	17557945.92	4926990.65	213.50	0	D	2000	69.5	21.5	0.0	0.0	0.0	67.1	6.2	-3.4	0.0	0.0	0.0	0.0	0.0	21.1
255	17557945.92	4926990.65	213.50	0	D	4000	63.4	21.5	0.0	0.0	0.0	67.1	21.0	-3.4	0.0	0.0	0.0	0.0	0.0	0.2
255	17557945.92	4926990.65	213.50	0	D	8000	57.7	21.5	0.0	0.0	0.0	67.1	74.8	-3.4	0.0	0.0	0.0	0.0	0.0	-59.4
275	17557967.76	4926870.16	213.50	0	D	32	33.4	20.1	0.0	0.0	0.0	65.7	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-7.1
275	17557967.76	4926870.16	213.50	0	D	63	46.1	20.1	0.0	0.0	0.0	65.7	0.1	-5.2	0.0	0.0	0.0	0.0	0.0	5.6
275	17557967.76	4926870.16	213.50	0	D	125	57.8	20.1	0.0	0.0	0.0	65.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	11.8
275	17557967.76	4926870.16	213.50	0	D	250	64.4	20.1	0.0	0.0	0.0	65.7	0.6	3.9	0.0	0.0	0.0	0.0	0.0	14.3
275	17557967.76	4926870.16	213.50	0	D	500	67.0	20.1	0.0	0.0	0.0	65.7	1.1	1.8	0.0	0.0	0.0	0.0	0.0	18.5
275	17557967.76	4926870.16	213.50	0	D	1000	72.2	20.1	0.0	0.0	0.0	65.7	2.0	-2.5	0.0	0.0	0.0	0.0	0.0	27.1
275	17557967.76	4926870.16	213.50	0	D	2000	69.5	20.1	0.0	0.0	0.0	65.7	5.3	-3.1	0.0	0.0	0.0	0.0	0.0	21.7
275	17557967.76	4926870.16	213.50	0	D	4000	63.4	20.1	0.0	0.0	0.0	65.7	17.8	-3.1	0.0	0.0	0.0	0.0	0.0	3.1
275	17557967.76	4926870.16	213.50	0	D	8000	57.7	20.1	0.0	0.0	0.0	65.7	63.7	-3.1	0.0	0.0	0.0	0.0	0.0	-48.5
363	17557948.08	4927005.29	213.50	0	D	32	33.4	21.1	0.0	0.0	0.0	67.2	0.0	-5.3	0.0	0.0	0.0	0.0	0.0	-7.5
363	17557948.08	4927005.29	213.50	0	D	63	46.1	21.1	0.0	0.0	0.0	67.2	0.1	-5.3	0.0	0.0	0.0	0.0	0.0	5.2
363	17557948.08	4927005.29	213.50	0	D	125	57.8	21.1	0.0	0.0	0.0	67.2	0.3	0.5	0.0	0.0	0.0	0.0	0.0	10.9
363	17557948.08	4927005.29	213.50	0	D	250	64.4	21.1	0.0	0.0	0.0	67.2	0.7	3.6	0.0	0.0	0.0	0.0	0.0	13.9
363	17557948.08	4927005.29	213.50	0	D	500	67.0	21.1	0.0	0.0	0.0	67.2	1.3	1.6	0.0	0.0	0.0	0.0	0.0	18.0
363	17557948.08	4927005.29	213.50	0	D	1000	72.2	21.1	0.0	0.0	0.0	67.2	2.4	-2.7	0.0	0.0	0.0	0.0	0.0	26.4
363	17557948.08	4927005.29	213.50	0	D	2000	69.5	21.1	0.0	0.0	0.0	67.2	6.3	-3.4	0.0	0.0	0.0	0.0	0.0	20.5
363	17557948.08	4927005.29	213.50	0	D	4000	63.4	21.1	0.0	0.0	0.0	67.2	21.3	-3.4	0.0	0.0	0.0	0.0	0.0	-0.6
363	17557948.08	4927005.29	213.50	0	D	8000	57.7	21.1	0.0	0.0	0.0	67.2	75.9	-3.4	0.0	0.0	0.0	0.0	0.0	-60.9
383	17557970.16	4926898.25	213.50	0	D	32	33.4	19.5	0.0	0.0	0.0	66.0	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-7.9
383	17557970.16	4926898.25	213.50	0	D	63	46.1	19.5	0.0	0.0	0.0	66.0	0.1	-5.2	0.0	0.0	0.0	0.0	0.0	4.8
383	17557970.16	4926898.25	213.50	0	D	125	57.8	19.5	0.0	0.0	0.0	66.0	0.2	0.2	0.0	0.0	0.0	0.0	0.0	10.9
383	17557970.16	4926898.25	213.50	0	D	250	64.4	19.5	0.0	0.0	0.0	66.0	0.6	3.8	0.0	0.0	0.0	0.0	0.0	13.5
383	17557970.16	4926898.25	213.50	0	D	500	67.0	19.5	0.0	0.0	0.0	66.0	1.1	1.8	0.0	0.0	0.0	0.0	0.0	17.7
383	17557970.16	4926898.25	213.50	0	D	1000	72.2	19.5	0.0	0.0	0.0	66.0	2.0	-2.5	0.0	0.0	0.0	0.0	0.0	26.2
383	17557970.16	4926898.25	213.50	0	D	2000	69.5	19.5	0.0	0.0	0.0	66.0	5.4	-3.2	0.0	0.0	0.0	0.0	0.0	20.8
383	17557970.16	4926898.25	213.50	0	D	4000	63.4	19.5	0.0	0.0	0.0	66.0	18.4	-3.2	0.0	0.0	0.0	0.0	0.0	1.8
383	17557970.16	4926898.25	213.50	0	D	8000	57.7	19.5	0.0	0.0	0.0	66.0	65.5	-3.2	0.0	0.0	0.0	0.0	0.0	-51.1
437	17558120.17	4927180.02	212.83	0	D	32	33.4	20.8	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-8.4
437	17558120.17	4927180.02	212.83	0	D	63	46.1	20.8	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	4.3
437	17558120.17	4927180.02	212.83	0	D	125	57.8	20.8	0.0	0.0	0.0	67.9	0.3	0.6	0.0	0.0	0.0	0.0	0.0	9.8
437	17558120.17	4927180.02	212.83	0	D	250	64.4	20.8	0.0	0.0	0.0	67.9	0.7	3.5	0.0	0.0	0.0	0.0	0.0	13.1
437	17558120.17	4927180.02	212.83	0	D	500	67.0	20.8	0.0	0.0	0.0	67.9	1.3	1.4	0.0	0.0	0.0	0.0	0.0	17.1
437	17558120.17	4927180.02	212.83	0	D	1000	72.2	20.8	0.0	0.0	0.0	67.9	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	25.4
437	17558120.17	4927180.02	212.83	0	D	2000	69.5	20.8	0.0	0.0	0.0	67.9	6.7	-3.6	0.0	0.0	0.0	0.0	0.0	19.2
437	17558120.17	4927180.02	212.83	0	D	4000	63.4	20.8	0.0	0.0	0.0	67.9	22.9	-3.6	0.0	0.0	0.0	0.0	0.0	-3.0
437	17558120.17	4927180.02	212.83	0	D	8000	57.7	20.8	0.0	0.0	0.0	67.9	81.6	-3.6	0.0	0.0	0.0	0.0	0.0	-67.5
492	17558010.88	4927148.16	213.50	0	D	32	33.4	20.3	0.0	0.0	0.0	68.2	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-9.1
492	17558010.88	4927148.16	213.50	0	D	63	46.1	20.3	0.0	0.0	0.0	68.2	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	3.5
492	17558010.88	4927148.16	213.50	0	D	125	57.8	20.3	0.0	0.0	0.0	68.2	0.3	0.7	0.0	0.0	0.0	0.0	0.0	8.9
492	17558010.88	4927148.16	213.50	0	D	250	64.4	20.3	0.0	0.0	0.0	68.2	0.8	3.5	0.0	0.0	0.0	0.0	0.0	12.3
492	17558010.88	4927148.16	213.50	0	D	500	67.0	20.3	0.0	0.0	0.0	68.2	1.4	1.4	0.0	0.0	0.0	0.0	0.0	16.3
492	17558010.88	4927148.16	213.50	0	D	1000	72.2	20.3	0.0	0.0	0.0	68.2	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	24.6
492	17558010.88	4927148.16	213.50	0	D	2000	69.5	20.3	0.0	0.0	0.0	68.2	7.0	-3.6	0.0	0.0	0.0	0.0	0.0	18.2
492	17558010.88	4927148.16	213.50	0	D	4000	63.4	20.3	0.0	0.0	0.0	68.2	23.7	-3.6	0.0	0.0	0.0	0.0	0.0	-4.6
492	17558010.88	4927148.16	213.50	0	D	8000	57.7	20.3	0.0	0.0										

Line Source, ISO 9613, Name: "Heavy Truck - Top Soil", ID: "I01!T3_Soil_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
494	17558004.14	4926853.96	213.50	0	D	32	33.4	17.0	0.0	0.0	0.0	65.1	0.0	-5.1	0.0	0.0	0.0	0.0	0.0	-9.6
494	17558004.14	4926853.96	213.50	0	D	63	46.1	17.0	0.0	0.0	0.0	65.1	0.1	-5.1	0.0	0.0	0.0	0.0	0.0	3.0
494	17558004.14	4926853.96	213.50	0	D	125	57.8	17.0	0.0	0.0	0.0	65.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	9.4
494	17558004.14	4926853.96	213.50	0	D	250	64.4	17.0	0.0	0.0	0.0	65.1	0.5	4.0	0.0	0.0	0.0	0.0	0.0	11.7
494	17558004.14	4926853.96	213.50	0	D	500	67.0	17.0	0.0	0.0	0.0	65.1	1.0	1.9	0.0	0.0	0.0	0.0	0.0	15.9
494	17558004.14	4926853.96	213.50	0	D	1000	72.2	17.0	0.0	0.0	0.0	65.1	1.9	-2.4	0.0	0.0	0.0	0.0	0.0	24.6
494	17558004.14	4926853.96	213.50	0	D	2000	69.5	17.0	0.0	0.0	0.0	65.1	4.9	-3.0	0.0	0.0	0.0	0.0	0.0	19.5
494	17558004.14	4926853.96	213.50	0	D	4000	63.4	17.0	0.0	0.0	0.0	65.1	16.6	-3.0	0.0	0.0	0.0	0.0	0.0	1.7
494	17558004.14	4926853.96	213.50	0	D	8000	57.7	17.0	0.0	0.0	0.0	65.1	59.1	-3.0	0.0	0.0	0.0	0.0	0.0	-46.5
522	17558217.37	4927214.10	211.59	0	D	32	33.4	19.4	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-9.8
522	17558217.37	4927214.10	211.59	0	D	63	46.1	19.4	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	2.8
522	17558217.37	4927214.10	211.59	0	D	125	57.8	19.4	0.0	0.0	0.0	67.9	0.3	6.5	0.0	0.0	0.0	0.0	0.0	2.5
522	17558217.37	4927214.10	211.59	0	D	250	64.4	19.4	0.0	0.0	0.0	67.9	0.7	8.5	0.0	0.0	0.0	0.0	0.0	6.6
522	17558217.37	4927214.10	211.59	0	D	500	67.0	19.4	0.0	0.0	0.0	67.9	1.3	3.7	0.0	0.0	0.0	0.0	0.0	13.5
522	17558217.37	4927214.10	211.59	0	D	1000	72.2	19.4	0.0	0.0	0.0	67.9	2.6	-0.7	0.0	0.0	0.0	0.0	0.0	21.8
522	17558217.37	4927214.10	211.59	0	D	2000	69.5	19.4	0.0	0.0	0.0	67.9	6.7	-1.4	0.0	0.0	0.0	0.0	0.0	15.6
522	17558217.37	4927214.10	211.59	0	D	4000	63.4	19.4	0.0	0.0	0.0	67.9	22.9	-1.4	0.0	0.0	0.0	0.0	0.0	-6.6
522	17558217.37	4927214.10	211.59	0	D	8000	57.7	19.4	0.0	0.0	0.0	67.9	81.6	-1.4	0.0	0.0	0.0	0.0	0.0	-71.0
566	17557995.36	4926815.44	213.50	0	D	32	33.4	15.5	0.0	0.0	0.0	64.8	0.0	-5.1	0.0	0.0	0.0	0.0	0.0	-10.9
566	17557995.36	4926815.44	213.50	0	D	63	46.1	15.5	0.0	0.0	0.0	64.8	0.1	-5.1	0.0	0.0	0.0	0.0	0.0	1.8
566	17557995.36	4926815.44	213.50	0	D	125	57.8	15.5	0.0	0.0	0.0	64.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	8.2
566	17557995.36	4926815.44	213.50	0	D	250	64.4	15.5	0.0	0.0	0.0	64.8	0.5	4.1	0.0	0.0	0.0	0.0	0.0	10.4
566	17557995.36	4926815.44	213.50	0	D	500	67.0	15.5	0.0	0.0	0.0	64.8	0.9	2.0	0.0	0.0	0.0	0.0	0.0	14.6
566	17557995.36	4926815.44	213.50	0	D	1000	72.2	15.5	0.0	0.0	0.0	64.8	1.8	-2.3	0.0	0.0	0.0	0.0	0.0	23.3
566	17557995.36	4926815.44	213.50	0	D	2000	69.5	15.5	0.0	0.0	0.0	64.8	4.7	-2.9	0.0	0.0	0.0	0.0	0.0	18.3
566	17557995.36	4926815.44	213.50	0	D	4000	63.4	15.5	0.0	0.0	0.0	64.8	16.1	-2.9	0.0	0.0	0.0	0.0	0.0	0.9
566	17557995.36	4926815.44	213.50	0	D	8000	57.7	15.5	0.0	0.0	0.0	64.8	57.3	-2.9	0.0	0.0	0.0	0.0	0.0	-46.1
568	17557947.04	4927096.56	213.50	0	D	32	33.4	18.8	0.0	0.0	0.0	68.1	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-10.6
568	17557947.04	4927096.56	213.50	0	D	63	46.1	18.8	0.0	0.0	0.0	68.1	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	2.0
568	17557947.04	4927096.56	213.50	0	D	125	57.8	18.8	0.0	0.0	0.0	68.1	0.3	0.7	0.0	0.0	0.0	0.0	0.0	7.5
568	17557947.04	4927096.56	213.50	0	D	250	64.4	18.8	0.0	0.0	0.0	68.1	0.7	3.5	0.0	0.0	0.0	0.0	0.0	10.8
568	17557947.04	4927096.56	213.50	0	D	500	67.0	18.8	0.0	0.0	0.0	68.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	14.8
568	17557947.04	4927096.56	213.50	0	D	1000	72.2	18.8	0.0	0.0	0.0	68.1	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	23.1
568	17557947.04	4927096.56	213.50	0	D	2000	69.5	18.8	0.0	0.0	0.0	68.1	6.9	-3.5	0.0	0.0	0.0	0.0	0.0	16.8
568	17557947.04	4927096.56	213.50	0	D	4000	63.4	18.8	0.0	0.0	0.0	68.1	23.5	-3.5	0.0	0.0	0.0	0.0	0.0	-5.9
568	17557947.04	4927096.56	213.50	0	D	8000	57.7	18.8	0.0	0.0	0.0	68.1	83.9	-3.5	0.0	0.0	0.0	0.0	0.0	-72.0
570	17557949.70	4927099.79	213.50	0	D	32	33.4	18.4	0.0	0.0	0.0	68.1	0.0	-5.4	0.0	0.0	0.0	0.0	0.0	-11.0
570	17557949.70	4927099.79	213.50	0	D	63	46.1	18.4	0.0	0.0	0.0	68.1	0.1	-5.4	0.0	0.0	0.0	0.0	0.0	1.6
570	17557949.70	4927099.79	213.50	0	D	125	57.8	18.4	0.0	0.0	0.0	68.1	0.3	0.7	0.0	0.0	0.0	0.0	0.0	7.0
570	17557949.70	4927099.79	213.50	0	D	250	64.4	18.4	0.0	0.0	0.0	68.1	0.7	3.5	0.0	0.0	0.0	0.0	0.0	10.4
570	17557949.70	4927099.79	213.50	0	D	500	67.0	18.4	0.0	0.0	0.0	68.1	1.4	1.4	0.0	0.0	0.0	0.0	0.0	14.4
570	17557949.70	4927099.79	213.50	0	D	1000	72.2	18.4	0.0	0.0	0.0	68.1	2.6	-2.9	0.0	0.0	0.0	0.0	0.0	22.7
570	17557949.70	4927099.79	213.50	0	D	2000	69.5	18.4	0.0	0.0	0.0	68.1	6.9	-3.5	0.0	0.0	0.0	0.0	0.0	16.3
570	17557949.70	4927099.79	213.50	0	D	4000	63.4	18.4	0.0	0.0	0.0	68.1	23.6	-3.5	0.0	0.0	0.0	0.0	0.0	-6.4
570	17557949.70	4927099.79	213.50	0	D	8000	57.7	18.4	0.0	0.0	0.0	68.1	84.0	-3.5	0.0	0.0	0.0	0.0	0.0	-72.5
572	17558032.70	4926839.55	213.50	0	D	32	33.4	14.6	0.0	0.0	0.0	64.5	0.0	-5.1	0.0	0.0	0.0	0.0	0.0	-11.5
572	17558032.70	4926839.55	213.50	0	D	63	46.1	14.6	0.0	0.0	0.0	64.5	0.1	-5.1	0.0	0.0	0.0	0.0	0.0	1.2
572	17558032.70	4926839.55	213.50	0	D	125	57.8	14.6	0.0	0.0	0.0	64.5	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	7.8
572	17558032.70	4926839.55	213.50	0	D	250	64.4	14.6	0.0	0.0	0.0	64.5	0.5	4.1	0.0	0.0	0.0	0.0	0.0	9.9
572	17558032.70	4926839.55	213.50	0	D	500	67.0	14.6	0.0	0.0	0.0	64.5	0.9	2.0	0.0	0.0	0.0	0.0	0.0	14.1
572	17558032.70	4926839.55	213.50	0	D	1000	72.2	14.6	0.0	0.0	0.0	64.5	1.7	-2.3	0.0	0.0	0.0	0.0	0.0	22.8
572	17558032.70	4926839.55	213.50	0	D	2000	69.5	14.6	0.0	0.0	0.0	64.5	4.6	-2.9	0.0	0.0	0.0	0.0	0.0	17.9
572	17558032.70	4926839.55	213.50	0	D	4000	63.4	14.6	0.0	0.0	0.0	64.5	15.6	-2.9	0.0	0.0	0.0	0.0	0.0	0.9
572	17558032.70	4926839.55	213.50	0	D	8000	57.7	14.6	0.0	0.0	0.0	64.5	55.5	-2.9	0.0	0.0	0.0	0.0	0.0	-44.8
573	17558024.40	4926818.32	213.50	0	D	32	33.4	14.5	0.0	0.0	0.0	64.4	0.0	-5.0	0.0	0.0	0.0	0.0	0.0	-11.5
573	17558024.40	4926818.32	213.50	0	D	63	46.1	14.5	0.0	0.0	0.0	64.4	0.1	-5.0	0.0	0.0	0.0	0.0	0.0	1.1
573	17558024.40	4926818.32	213.50	0	D	125	57.8	14.5	0.0	0.0	0.0	64.4	0.2	-0.1	0.0	0.0	0.0	0.0	0.0	7.7
573	17558024.40	4926818.32	213.50	0	D	250	64.4	14.5	0.0	0.0	0.0	64.4	0.5	4.1	0.0	0.0	0.0	0.0	0.0	9.8
573	17558024.40	4926818.32	213.50	0	D	500	67.0	14.5	0.0	0.0	0.0	64.4	0.9	2.1	0.0	0.0	0.0	0.0	0.0	14.1
573	17558024.40	4926818.32	213.50	0	D	1000	72.2	14.5	0.0	0.0	0.0	64.4	1.7	-2.2	0.0	0.0	0.0	0.0	0.0	22.8
573	17558024.40	4926818.32	213.50	0	D	2000	69.5	14.5	0.0	0.0	0.0	64.4	4.5	-2.9	0.0	0.0	0.0	0.0	0.0	17.9
573	17558024.40	4926818.32	213.50	0	D	4000	63.4	14.5	0.0	0.0	0.0	64.4	15.3	-2.9	0.0	0.0	0.0	0.0	0.0	1.0
573	17558024.40	4926818.32	213.50	0	D	8000	57.7	14.5	0.0	0.0										

Line Source, ISO 9613, Name: "Heavy Truck - Top Soil", ID: "I01!T3_Soil_Route"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
577	17558238.01	4927219.80	211.33	0	D	32	33.4	17.3	0.0	0.0	0.0	67.9	0.0	-5.4	0.0	0.0	0.4	0.0	0.0	-12.2
577	17558238.01	4927219.80	211.33	0	D	63	46.1	17.3	0.0	0.0	0.0	67.9	0.1	-5.4	0.0	0.0	0.1	0.0	0.0	0.6
577	17558238.01	4927219.80	211.33	0	D	125	57.8	17.3	0.0	0.0	0.0	67.9	0.3	7.0	0.0	0.0	0.0	0.0	0.0	-0.1
577	17558238.01	4927219.80	211.33	0	D	250	64.4	17.3	0.0	0.0	0.0	67.9	0.7	9.0	0.0	0.0	0.0	0.0	0.0	4.0
577	17558238.01	4927219.80	211.33	0	D	500	67.0	17.3	0.0	0.0	0.0	67.9	1.3	4.2	0.0	0.0	0.0	0.0	0.0	10.9
577	17558238.01	4927219.80	211.33	0	D	1000	72.2	17.3	0.0	0.0	0.0	67.9	2.6	-0.2	0.0	0.0	0.0	0.0	0.0	19.2
577	17558238.01	4927219.80	211.33	0	D	2000	69.5	17.3	0.0	0.0	0.0	67.9	6.7	-0.8	0.0	0.0	0.0	0.0	0.0	13.0
577	17558238.01	4927219.80	211.33	0	D	4000	63.4	17.3	0.0	0.0	0.0	67.9	22.9	-0.8	0.0	0.0	0.0	0.0	0.0	-9.3
577	17558238.01	4927219.80	211.33	0	D	8000	57.7	17.3	0.0	0.0	0.0	67.9	81.6	-0.8	0.0	0.0	0.0	0.0	0.0	-73.7
664	17558262.97	4927233.41	210.95	0	D	32	33.4	5.4	0.0	0.0	0.0	68.0	0.0	-5.4	0.0	0.0	0.3	0.0	0.0	-24.2
664	17558262.97	4927233.41	210.95	0	D	63	46.1	5.4	0.0	0.0	0.0	68.0	0.1	-5.4	0.0	0.0	0.1	0.0	0.0	-11.3
664	17558262.97	4927233.41	210.95	0	D	125	57.8	5.4	0.0	0.0	0.0	68.0	0.3	7.9	0.0	0.0	0.0	0.0	0.0	-13.0
664	17558262.97	4927233.41	210.95	0	D	250	64.4	5.4	0.0	0.0	0.0	68.0	0.7	9.9	0.0	0.0	0.0	0.0	0.0	-8.8
664	17558262.97	4927233.41	210.95	0	D	500	67.0	5.4	0.0	0.0	0.0	68.0	1.4	5.0	0.0	0.0	0.0	0.0	0.0	-2.0
664	17558262.97	4927233.41	210.95	0	D	1000	72.2	5.4	0.0	0.0	0.0	68.0	2.6	0.7	0.0	0.0	0.0	0.0	0.0	6.4
664	17558262.97	4927233.41	210.95	0	D	2000	69.5	5.4	0.0	0.0	0.0	68.0	6.8	0.0	0.0	0.0	0.0	0.0	0.0	0.1
664	17558262.97	4927233.41	210.95	0	D	4000	63.4	5.4	0.0	0.0	0.0	68.0	23.1	0.0	0.0	0.0	0.0	0.0	0.0	-22.3
664	17558262.97	4927233.41	210.95	0	D	8000	57.7	5.4	0.0	0.0	0.0	68.0	82.5	0.0	0.0	0.0	0.0	0.0	0.0	-87.4

Line Source, ISO 9613, Name: "Front End Loader-Concrete Crushing Route", ID: "I00!FEL1_CC"																				
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	dB	dB	dB	dB	dB	dB(A)
336	17558075.85	4926669.01	213.00	0	D	32	41.8	12.5	0.0	0.0	0.0	61.9	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	-2.7
336	17558075.85	4926669.01	213.00	0	D	63	62.0	12.5	0.0	0.0	0.0	61.9	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	17.4
336	17558075.85	4926669.01	213.00	0	D	125	70.7	12.5	0.0	0.0	0.0	61.9	0.1	-0.0	0.0	0.0	0.0	0.0	0.0	21.2
336	17558075.85	4926669.01	213.00	0	D	250	74.2	12.5	0.0	0.0	0.0	61.9	0.4	4.9	0.0	0.0	0.0	0.0	0.0	19.5
336	17558075.85	4926669.01	213.00	0	D	500	73.2	12.5	0.0	0.0	0.0	61.9	0.7	2.9	0.0	0.0	0.0	0.0	0.0	20.3
336	17558075.85	4926669.01	213.00	0	D	1000	72.6	12.5	0.0	0.0	0.0	61.9	1.3	-1.4	0.0	0.0	0.0	0.0	0.0	23.4
336	17558075.85	4926669.01	213.00	0	D	2000	68.6	12.5	0.0	0.0	0.0	61.9	3.4	-2.1	0.0	0.0	0.0	0.0	0.0	17.9
336	17558075.85	4926669.01	213.00	0	D	4000	65.6	12.5	0.0	0.0	0.0	61.9	11.5	-2.1	0.0	0.0	0.0	0.0	0.0	6.8
336	17558075.85	4926669.01	213.00	0	D	8000	58.6	12.5	0.0	0.0	0.0	61.9	40.9	-2.1	0.0	0.0	0.0	0.0	0.0	-29.6
382	17558075.22	4926669.53	213.00	0	D	32	41.8	12.4	0.0	0.0	0.0	61.9	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	-2.9
382	17558075.22	4926669.53	213.00	0	D	63	62.0	12.4	0.0	0.0	0.0	61.9	0.0	-4.8	0.0	0.0	0.0	0.0	0.0	17.3
382	17558075.22	4926669.53	213.00	0	D	125	70.7	12.4	0.0	0.0	0.0	61.9	0.1	-0.0	0.0	0.0	0.0	0.0	0.0	21.1
382	17558075.22	4926669.53	213.00	0	D	250	74.2	12.4	0.0	0.0	0.0	61.9	0.4	4.9	0.0	0.0	0.0	0.0	0.0	19.4
382	17558075.22	4926669.53	213.00	0	D	500	73.2	12.4	0.0	0.0	0.0	61.9	0.7	2.9	0.0	0.0	0.0	0.0	0.0	20.1
382	17558075.22	4926669.53	213.00	0	D	1000	72.6	12.4	0.0	0.0	0.0	61.9	1.3	-1.4	0.0	0.0	0.0	0.0	0.0	23.2
382	17558075.22	4926669.53	213.00	0	D	2000	68.6	12.4	0.0	0.0	0.0	61.9	3.4	-2.1	0.0	0.0	0.0	0.0	0.0	17.8
382	17558075.22	4926669.53	213.00	0	D	4000	65.6	12.4	0.0	0.0	0.0	61.9	11.5	-2.1	0.0	0.0	0.0	0.0	0.0	6.7
382	17558075.22	4926669.53	213.00	0	D	8000	58.6	12.4	0.0	0.0	0.0	61.9	41.0	-2.1	0.0	0.0	0.0	0.0	0.0	-29.9
571	17558066.35	4926661.24	213.00	0	D	32	41.8	8.5	0.0	0.0	0.0	62.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-6.9
571	17558066.35	4926661.24	213.00	0	D	63	62.0	8.5	0.0	0.0	0.0	62.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	13.2
571	17558066.35	4926661.24	213.00	0	D	125	70.7	8.5	0.0	0.0	0.0	62.0	0.1	2.3	0.0	0.0	0.0	0.0	0.0	14.7
571	17558066.35	4926661.24	213.00	0	D	250	74.2	8.5	0.0	0.0	0.0	62.0	0.4	7.8	0.0	0.0	0.0	0.0	0.0	12.4
571	17558066.35	4926661.24	213.00	0	D	500	73.2	8.5	0.0	0.0	0.0	62.0	0.7	3.9	0.0	0.0	0.0	0.0	0.0	15.0
571	17558066.35	4926661.24	213.00	0	D	1000	72.6	8.5	0.0	0.0	0.0	62.0	1.3	-0.5	0.0	0.0	0.0	0.0	0.0	18.2
571	17558066.35	4926661.24	213.00	0	D	2000	68.6	8.5	0.0	0.0	0.0	62.0	3.4	-1.1	0.0	0.0	0.0	0.0	0.0	12.7
571	17558066.35	4926661.24	213.00	0	D	4000	65.6	8.5	0.0	0.0	0.0	62.0	11.7	-1.1	0.0	0.0	0.0	0.0	0.0	1.5
571	17558066.35	4926661.24	213.00	0	D	8000	58.6	8.5	0.0	0.0	0.0	62.0	41.7	-1.1	0.0	0.0	0.0	0.0	0.0	-35.5
574	17558066.35	4926662.02	213.00	0	D	32	41.8	8.0	0.0	0.0	0.0	62.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-7.4
574	17558066.35	4926662.02	213.00	0	D	63	62.0	8.0	0.0	0.0	0.0	62.0	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	12.8
574	17558066.35	4926662.02	213.00	0	D	125	70.7	8.0	0.0	0.0	0.0	62.0	0.1	2.2	0.0	0.0	0.0	0.0	0.0	14.3
574	17558066.35	4926662.02	213.00	0	D	250	74.2	8.0	0.0	0.0	0.0	62.0	0.4	7.7	0.0	0.0	0.0	0.0	0.0	12.1
574	17558066.35	4926662.02	213.00	0	D	500	73.2	8.0	0.0	0.0	0.0	62.0	0.7	3.9	0.0	0.0	0.0	0.0	0.0	14.6
574	17558066.35	4926662.02	213.00	0	D	1000	72.6	8.0	0.0	0.0	0.0	62.0	1.3	-0.6	0.0	0.0	0.0	0.0	0.0	17.8
574	17558066.35	4926662.02	213.00	0	D	2000	68.6	8.0	0.0	0.0	0.0	62.0	3.4	-1.2	0.0	0.0	0.0	0.0	0.0	12.3
574	17558066.35	4926662.02	213.00	0	D	4000	65.6	8.0	0.0	0.0	0.0	62.0	11.7	-1.2	0.0	0.0	0.0	0.0	0.0	1.1
574	17558066.35	4926662.02	213.00	0	D	8000	58.6	8.0	0.0	0.0	0.0	62.0	41.7	-1.2	0.0	0.0	0.0	0.0	0.0	-35.9
582	17558060.58	4926660.97	213.00	0	D	32	41.8	7.6	0.0	0.0	0.0	62.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-7.9
582	17558060.58	4926660.97	213.00	0	D	63	62.0	7.6	0.0	0.0	0.0	62.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	12.3
582	17558060.58	4926660.97	213.00	0	D	125	70.7	7.6	0.0	0.0	0.0	62.2	0.1	2.4	0.0	0.0	0.0	0.0	0.0	13.6
582	17558060.58	4926660.97	213.00	0	D	250	74.2	7.6	0.0	0.0	0.0	62.2	0.4	7.9	0.0	0.0	0.0	0.0	0.0	11.4
582	17558060.58	4926660.97	213.00	0	D	500	73.2	7.6	0.0	0.0	0.0	62.2	0.7	4.1	0.0	0.0	0.0	0.0	0.0	13.9

Line Source, ISO 9613, Name: "Front End Loader-Concrete Crushing Route", ID: "!00!FEL1_CC"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
582	17558060.58	4926660.97	213.00	0	D	1000	72.6	7.6	0.0	0.0	0.0	62.2	1.3	-0.4	0.0	0.0	0.0	0.0	0.0	17.1
582	17558060.58	4926660.97	213.00	0	D	2000	68.6	7.6	0.0	0.0	0.0	62.2	3.5	-1.0	0.0	0.0	0.0	0.0	0.0	11.6
582	17558060.58	4926660.97	213.00	0	D	4000	65.6	7.6	0.0	0.0	0.0	62.2	11.9	-1.0	0.0	0.0	0.0	0.0	0.0	0.2
582	17558060.58	4926660.97	213.00	0	D	8000	58.6	7.6	0.0	0.0	0.0	62.2	42.3	-1.0	0.0	0.0	0.0	0.0	0.0	-37.2
590	17558060.37	4926660.03	213.00	0	D	32	41.8	7.5	0.0	0.0	0.0	62.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-8.0
590	17558060.37	4926660.03	213.00	0	D	63	62.0	7.5	0.0	0.0	0.0	62.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	12.1
590	17558060.37	4926660.03	213.00	0	D	125	70.7	7.5	0.0	0.0	0.0	62.2	0.1	2.5	0.0	0.0	0.0	0.0	0.0	13.3
590	17558060.37	4926660.03	213.00	0	D	250	74.2	7.5	0.0	0.0	0.0	62.2	0.4	8.1	0.0	0.0	0.0	0.0	0.0	11.1
590	17558060.37	4926660.03	213.00	0	D	500	73.2	7.5	0.0	0.0	0.0	62.2	0.7	4.1	0.0	0.0	0.0	0.0	0.0	13.6
590	17558060.37	4926660.03	213.00	0	D	1000	72.6	7.5	0.0	0.0	0.0	62.2	1.3	-0.3	0.0	0.0	0.0	0.0	0.0	16.8
590	17558060.37	4926660.03	213.00	0	D	2000	68.6	7.5	0.0	0.0	0.0	62.2	3.5	-0.9	0.0	0.0	0.0	0.0	0.0	11.3
590	17558060.37	4926660.03	213.00	0	D	4000	65.6	7.5	0.0	0.0	0.0	62.2	11.8	-0.9	0.0	0.0	0.0	0.0	0.0	-0.0
590	17558060.37	4926660.03	213.00	0	D	8000	58.6	7.5	0.0	0.0	0.0	62.2	42.3	-0.9	0.0	0.0	0.0	0.0	0.0	-37.4
663	17558057.64	4926660.71	213.00	0	D	32	41.8	-0.2	0.0	0.0	0.0	62.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-15.8
663	17558057.64	4926660.71	213.00	0	D	63	62.0	-0.2	0.0	0.0	0.0	62.2	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	4.4
663	17558057.64	4926660.71	213.00	0	D	125	70.7	-0.2	0.0	0.0	0.0	62.2	0.1	2.5	0.0	0.0	0.0	0.0	0.0	5.6
663	17558057.64	4926660.71	213.00	0	D	250	74.2	-0.2	0.0	0.0	0.0	62.2	0.4	7.9	0.0	0.0	0.0	0.0	0.0	3.4
663	17558057.64	4926660.71	213.00	0	D	500	73.2	-0.2	0.0	0.0	0.0	62.2	0.7	4.1	0.0	0.0	0.0	0.0	0.0	5.9
663	17558057.64	4926660.71	213.00	0	D	1000	72.6	-0.2	0.0	0.0	0.0	62.2	1.3	-0.3	0.0	0.0	0.0	0.0	0.0	9.1
663	17558057.64	4926660.71	213.00	0	D	2000	68.6	-0.2	0.0	0.0	0.0	62.2	3.5	-1.0	0.0	0.0	0.0	0.0	0.0	3.6
663	17558057.64	4926660.71	213.00	0	D	4000	65.6	-0.2	0.0	0.0	0.0	62.2	11.9	-1.0	0.0	0.0	0.0	0.0	0.0	-7.8
663	17558057.64	4926660.71	213.00	0	D	8000	58.6	-0.2	0.0	0.0	0.0	62.2	42.6	-1.0	0.0	0.0	0.0	0.0	0.0	-45.5

Point Source, ISO 9613, Name: "Heavy Truck Idle - Concrete", ID: "!01!T2_Idle"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
478	17558077.23	4926678.49	213.00	0	D	32	61.7	0.0	-10.8	0.0	0.0	61.9	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	-6.2
478	17558077.23	4926678.49	213.00	0	D	63	74.4	0.0	-10.8	0.0	0.0	61.9	0.0	-4.9	0.0	0.0	0.0	0.0	0.0	6.5
478	17558077.23	4926678.49	213.00	0	D	125	82.2	0.0	-10.8	0.0	0.0	61.9	0.1	-0.1	0.0	0.0	0.0	0.0	0.0	9.4
478	17558077.23	4926678.49	213.00	0	D	250	85.6	0.0	-10.8	0.0	0.0	61.9	0.4	4.9	0.0	0.0	0.0	0.0	0.0	7.6
478	17558077.23	4926678.49	213.00	0	D	500	93.7	0.0	-10.8	0.0	0.0	61.9	0.7	2.8	0.0	0.0	0.0	0.0	0.0	17.5
478	17558077.23	4926678.49	213.00	0	D	1000	97.0	0.0	-10.8	0.0	0.0	61.9	1.3	-1.5	0.0	0.0	0.0	0.0	0.0	24.5
478	17558077.23	4926678.49	213.00	0	D	2000	95.4	0.0	-10.8	0.0	0.0	61.9	3.4	-2.2	0.0	0.0	0.0	0.0	0.0	21.4
478	17558077.23	4926678.49	213.00	0	D	4000	88.4	0.0	-10.8	0.0	0.0	61.9	11.6	-2.2	0.0	0.0	0.0	0.0	0.0	6.3
478	17558077.23	4926678.49	213.00	0	D	8000	80.5	0.0	-10.8	0.0	0.0	61.9	41.2	-2.2	0.0	0.0	0.0	0.0	0.0	-31.3

Point Source, ISO 9613, Name: "Staker/Conveyor", ID: "!00!Conv1"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
497	17558048.32	4926650.28	214.04	0	DEN	32	35.1	0.0	0.0	0.0	0.0	62.4	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	-22.6
497	17558048.32	4926650.28	214.04	0	DEN	63	49.3	0.0	0.0	0.0	0.0	62.4	0.0	-4.7	0.0	0.0	0.0	0.0	0.0	-8.4
497	17558048.32	4926650.28	214.04	0	DEN	125	62.9	0.0	0.0	0.0	0.0	62.4	0.2	3.7	0.0	0.0	0.0	0.0	0.0	-3.3
497	17558048.32	4926650.28	214.04	0	DEN	250	68.7	0.0	0.0	0.0	0.0	62.4	0.4	7.8	0.0	0.0	0.0	0.0	0.0	-1.9
497	17558048.32	4926650.28	214.04	0	DEN	500	75.6	0.0	0.0	0.0	0.0	62.4	0.7	4.5	0.0	0.0	0.0	0.0	0.0	8.1
497	17558048.32	4926650.28	214.04	0	DEN	1000	79.2	0.0	0.0	0.0	0.0	62.4	1.4	0.1	0.0	0.0	0.0	0.0	0.0	15.3
497	17558048.32	4926650.28	214.04	0	DEN	2000	76.8	0.0	0.0	0.0	0.0	62.4	3.6	-0.5	0.0	0.0	0.0	0.0	0.0	11.4
497	17558048.32	4926650.28	214.04	0	DEN	4000	70.1	0.0	0.0	0.0	0.0	62.4	12.1	-0.5	0.0	0.0	0.0	0.0	0.0	-3.9
497	17558048.32	4926650.28	214.04	0	DEN	8000	57.4	0.0	0.0	0.0	0.0	62.4	43.2	-0.5	0.0	0.0	0.0	0.0	0.0	-47.7

Point Source, ISO 9613, Name: "Heavy Truck Idle - Soil", ID: "I01!T3_Idle"																				
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)	(dB)	(dB)	(dB)	(dB)	(dB)	dB(A)
575	17558035.16	4926847.19	213.00	0	D	32	61.7	0.0	-10.8	0.0	0.0	64.6	0.0	-5.2	0.0	0.0	0.0	0.0	0.0	-8.5
575	17558035.16	4926847.19	213.00	0	D	63	74.4	0.0	-10.8	0.0	0.0	64.6	0.1	-5.2	0.0	0.0	0.0	0.0	0.0	4.1
575	17558035.16	4926847.19	213.00	0	D	125	82.2	0.0	-10.8	0.0	0.0	64.6	0.2	-0.2	0.0	0.0	0.0	0.0	0.0	6.8
575	17558035.16	4926847.19	213.00	0	D	250	85.6	0.0	-10.8	0.0	0.0	64.6	0.5	4.0	0.0	0.0	0.0	0.0	0.0	5.8
575	17558035.16	4926847.19	213.00	0	D	500	93.7	0.0	-10.8	0.0	0.0	64.6	0.9	1.9	0.0	0.0	0.0	0.0	0.0	15.5
575	17558035.16	4926847.19	213.00	0	D	1000	97.0	0.0	-10.8	0.0	0.0	64.6	1.7	-2.4	0.0	0.0	0.0	0.0	0.0	22.3
575	17558035.16	4926847.19	213.00	0	D	2000	95.4	0.0	-10.8	0.0	0.0	64.6	4.6	-3.1	0.0	0.0	0.0	0.0	0.0	18.5
575	17558035.16	4926847.19	213.00	0	D	4000	88.4	0.0	-10.8	0.0	0.0	64.6	15.7	-3.1	0.0	0.0	0.0	0.0	0.0	0.4
575	17558035.16	4926847.19	213.00	0	D	8000	80.5	0.0	-10.8	0.0	0.0	64.6	55.8	-3.1	0.0	0.0	0.0	0.0	0.0	-47.6

Appendix D:
Ken Winters Construction Limited
Letter

VICTOR L. VANDERGUST
PROFESSIONAL CORPORATION
BARRISTER & SOLICITOR



COL LAW

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Town of Collingwood
Zoning and By-Law Amendment
PO Box 157
Collingwood, Ontario
L9Y 3Z5

RE: Public Meeting October 7, 2PM 780 Tenth Line

Please accept this letter as the position of Ken Winters Construction Limited property known as 390 Mountain Road, Collingwood, Ontario, Concession 11 PT Lots 44 45 Concession 12 PT Lot 44 RP 51R14519 Parts 1 5 PT Parts 6 7 and RP 51R9690 Parts 5 6 7 and 8.

The Winters (Kells) Pit as it is commonly known is a decades old licenced pit. It not only crushes and draws out material but receives, crushes, and processes topsoil, concrete rubble and asphalt.

A review of the subject application shows a serious misunderstanding or lack of review of the environmental impact and the proximity of the pit to the application lands. Increasing the density under the application would cause uncomfortable noise and dust to substantially more residents.

We ask that you carefully review the SLR Environmental Noise and Vibration Feasibility Study. We believe it substantially understates the nature of activities of the

Winters Pit. In fact, Title 1.3- NATURE OF SURROUNDINGS barely mentions the Winters Pit which touches the development. In the second paragraph of Title 1.3 (Surrounding Lands), this report references the Pit adjacent to the Golf Course. A Passing Reference is made to the gravel pit adjacent to the golf course and there seems to be more concern about the golf course. What of the Pit to the North-West? It further states that no significant industries are located within 1000 metres to the west and south.

In paragraph 3.1- SITE VISIT AND AREA REVIEW in the report purports to shut potential impacts. It's premise is aerial photos and site visits on December 7 and 22, 2021. A minor passing reference is made to the Winters Pit at the end of paragraph 3.1 as to a stationary noise assessment.

Council is asked to consider if this was a coincidence or a timed assessment of the noise impact of the Winters Pit, because the Pit is not open in the off season, in winter months. Certainly, it was not open the week of Christmas and during Covid restrictions.

Had the full same investigation been done on the Ken Winters Construction Limited Pit during summer months, it ought to have noted the following:

- a) this is a provincially licensed and active pit with operational hours allowed from 6 am to 7 pm.
- b) it is serviced by many heavy trucks moving aggregate and material out of the Pit and into the pit for crushing of concrete and asphalt material and screening of topsoil.
- c) there is active industrial equipment in use including but not limited to:

1. Rock hammers to pound and break concrete
2. A screening plant to screen topsoil and aggregate
3. A bull dozer
4. A Crusher for crushing the gravel , concrete stock and other material
5. All machines and trucks are loud and have unpleasant industrial noise with regular intervals also of back up safety beepers.

d) the working area of the rock and concrete breaking and other equipment was already moved on a good neighbour basis by the operators due to concern from the Mair Mills residents. As a result, it is closer to this new proposed subdivision on that it was previously.

e) serious dust arises from the pit activities which has not been seriously mentioned in the summer when residents would be outside and have windows open.

Given the 6am to 7pm licensed operational hours and in the Pit adjacent to the development, is it reasonable to believe there are not serious environmental impact from the Winters Pit.

Much as an argument will be made for increased density to create more affordable housing, the Town will be already aware of complaints from the Mair Mills subdivision . Approving higher density would proportionally cause more complaints from this development.

A new resident can choose to set an alarm for 7 am. A dump truck or bulldozer backup alarm beeper is not something I would choose to be awakened by. Would you?

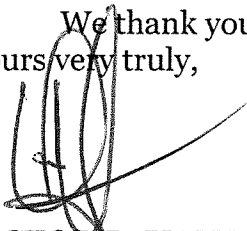
It is noted from the last line of Title 3.1 that in reference to the Winters Pit, the report writer stated that the Pit is UNDERSTOOD TO BE ACTIVE which suggests the writer has no on site verification of the true Pit activities during the operating season. He makes no mention of the rock crusher, bulldozer. He states no activity during the evening and night-time periods yet makes no mention of the early morning 6am allowed. He estimates opening of 5 trucks/hour seems minor but it is double that as trucks go in and out and 10x13 hours of allowed hours is 130 load trucks daily during non winter months.

The suggestion of a warning clause at Title 3.6 admits there is a serious sound issue. The problem is that such a warning buried in a multi-page developers offer or the development agreement is rarely paid attention to and the Town and Winters will get complaints. Why invite more?

SECURITY ISSUES

As the Winters Pit is an active and licensed pit stated in Title 3.4 to be 4m below surrounding land - we think even more - Council is asked if the approval be granted the Application obliged to place next to the pit area place large waring signs to warn potential residents of the proximity and location of the Winters Pit. In addition, there ought to be a non-climbable security fence for 300 m each way along the development perimeters nearest to the Pit to attempt to ensure the safety of residents and especially curious children.

We thank you for hearing our submission.
Yours very truly,

A handwritten signature in black ink, appearing to read 'Victory L. Vandergust', written over the typed name.

VICTORY L. VANDERGUST
VLV/dw