

# Appendix A3

**Ontario Line Project**

**Corktown Station Early Works –  
Noise and Vibration Early Works Report**

Metrolinx

# Noise and Vibration Early Works Report

## Ontario Line Corktown Station Early Works

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**Date:** July 2021

**Project #:** 60611173

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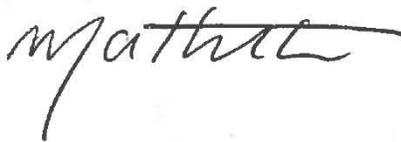


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# Executive Summary

## ES.1 Ontario Line Corktown Station Early Works

The Ontario Line Project (the Project) is being assessed in accordance with Ontario Regulation 341/20: Ontario Line Project under the Environmental Assessment Act. Ontario Regulation 341/20: Ontario Line Project outlines a Project-specific environmental assessment process that includes an Environmental Conditions Report, Environmental Impact Assessment Report, and an opportunity for Early Works Report(s) for assessment of works that are ready to proceed in advance of the Environmental Impact Assessment Report. The Environmental Conditions Report documents the local environmental conditions of the Ontario Line Study Area and provides a preliminary description of the potential environmental impacts from the Project. Information outlined in the Environmental Conditions Report is used to inform the Early Works Report(s) and Environmental Impact Assessment Report, which study environmental impacts in further detail and confirm and refine preliminary mitigation measures identified in the Environmental Conditions Report.

Ontario Line early works are components of the Project that are proposed to proceed before the completion of the Ontario Line environmental impact assessment process. An overview of the Project is provided in **Section 1.2**. Early works are defined in Ontario Regulation 341/20: Ontario Line Project under the Environmental Assessment Act as follows:

“any components of the Ontario Line Project that Metrolinx proposes to proceed with before the completion of the Ontario Line assessment process, such as station construction, rail corridor expansion, utility relocation or bridge replacement or expansion.”

Corktown Station early works are considered to be of strategic importance in enabling the timely implementation of the Project. The Corktown Station early works site has been identified as the launch site for the tunnel excavation equipment to complete tunnels and underground station spaces for the downtown and Don Yard segments and construction of the Corktown Station. The First Parliament site is located within the Corktown Station early works site and is a known archaeological site which requires additional archaeological studies ahead of any ground disturbance activities. The Corktown Station early works site will provide essential logistics support required for the Project’s tunneling. To prepare this site, demolition of existing buildings and structures followed by completion of necessary archaeological studies is required. Completion of this preparatory work on an expedited basis is essential to allow for the timely delivery of the overall Project.

AECOM Canada Limited (AECOM) was retained by Metrolinx and Infrastructure Ontario to complete the Ontario Line Early Works Corktown Station Report for the Project. This Noise and Vibration Early Works Report (this Report) supports the Ontario Line Corktown Station Early Works Report prepared for the Project to document the noise and vibration assessment of Corktown Station early works (**Figure ES-1**).

The Corktown Station early works include demolition of existing buildings, removal of other structures and asphalt where required, decommissioning of utilities, and soil removal and/or remediation where required. These activities will enable the completion of environmental due diligence investigations, including archaeological assessments.

The Corktown Station early works components and construction activities are further described in **Section 1.3**.

The purpose of this Report is to:

- Assess the temporary construction noise and vibration associated with Corktown Station early works; and,
- Provide noise and vibration mitigation and monitoring recommendations for future work associated with the Corktown Station early works temporary construction.

This Report supports the Ontario Line Corktown Station Early Works Report prepared in accordance with Ontario Regulation 341/20: Ontario Line Project.

Refer to **Section 1** of this Report for more information related to the Project and a detailed early works description.

A glossary of terminology is provided in **Appendix A**.

Figure ES-1: Corktown Station Early Works Project Footprint and Components



## **ES.2 Methodology**

This Report documents the assessment of Corktown Station early works construction impacts related to noise and vibration. Impacts associated with Project operations will be addressed as part of the Environmental Impact Assessment Report under separate cover. Detailed methodology is provided in **Section 3**.

### Local Environmental Conditions

AECOM has conducted baseline measurements as described in the Ontario Line Final Environmental Conditions Report (AECOM, 2020)<sup>1</sup>, to characterise the existing noise and vibration levels throughout the proposed Ontario Line Study Area (including areas not associated with the early works). The baseline measurements included collection of continuous noise measurements over several days at locations representative of noise sensitive receivers.

Baseline vibration measurements were not required, as the construction vibration assessment in this Report uses absolute vibration levels, which are not affected by the existing vibration levels. The majority of the early works area, existing vibration levels are expected to be below human perceptibility, except in close proximity to the existing rail lines.

### Impact Assessment

Noise and vibration criteria from various sources were reviewed for applicability to the Project; sources include the City of Toronto, the Ministry of the Environment, Conservation and Parks, Metrolinx, and the United States Federal Transit Administration. Criteria from the local sources were applied and supplemented using criteria from the Federal Transit Administration where necessary. Criteria reviewed included:

- Ministry of the Environment, Conservation and Parks Guideline NPC-115;
- Ministry of the Environment, Conservation and Parks Guideline NPC-118;
- City of Toronto By-law 878-2019;
- Federal Transit Administration Transit Noise and Vibration Impact Assessment Manual;
- Ministry of the Environment, Conservation and Parks Guideline NPC-119; and,
- City of Toronto By-law 514-2008.

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1. The Ontario Line Final Environmental Conditions Report (AECOM, 2020) was published on November 30, 2020 in accordance with Ontario Regulation 341/20: Ontario Line Project.

A screening was conducted to determine areas which required detailed assessment of specific receivers. Noise and vibration sensitive receivers surrounding the early works project sites at Corktown Station were selected to be representative of the worst-case (located closest to the Corktown Station Early Works Project Footprint) points of reception and selected in accordance with Ministry of the Environment, Conservation and Parks noise and vibration guidelines. Other possible receiver locations would have lower predicted noise and vibration impacts. Noise and vibration levels were predicted in accordance with methods accepted by the Ministry of the Environment, Conservation and Parks and levels were compared against applicable criteria limits for noise and vibration, respectively. Applicable guidelines and criteria are outlined in **Section 2**.

**ES.3 Local Environmental Conditions**

Noise

The relevant baseline noise results representing the existing local environmental noise conditions for the areas surrounding Corktown Station are summarized in **Table ES-1** below.

**Table ES-1: Relevant Baseline Noise Measurement Data**

Monitoring Location	Daytime (07:00-19:00) Average Leq, 1hr (dBA)	Daytime (07:00-19:00) Min Leq, 1hr (dBA)	Daytime (07:00-19:00) Maximum Leq, 1hr (dBA)	Evening (19:00-23:00) Average Leq, 1hr (dBA)	Evening (19:00-23:00) Minimum Leq, 1hr (dBA)	Evening (19:00-23:00) Maximum Leq, 1hr (dBA)	Night (23:00-07:00) Average Leq, 1hr (dBA)	Night (23:00-07:00) Minimum Leq, 1hr (dBA)	Night (23:00-07:00) Maximum Leq, 1hr (dBA)
MO_04S Erin Street	64	61	69	62	61	67	58	55	63

Vibration

Baseline vibration measurements were not required, as the construction vibration assessment in this Report uses absolute limits that do not change based upon the existing vibration levels. The local environment does not have any normally occurring sources of perceptible vibration; the most significant source of vibration near the Corktown Station early works site are the existing rail lines (i.e., King Street streetcar). Thus, for the majority of the Corktown Station Study Area, existing vibration levels are expected to be below human perceptibility, except in close proximity to the existing King Street streetcar route.

**ES.4 Potential Impacts, Mitigation Measures and Monitoring Activities**

**Section 5** and **Section 6** include information related to potential impacts, mitigation measures, and monitoring activities. Potential impacts that may result from early works activities include annoyance, disruption of sleep and other activities, and damage to

buildings and other structures due to vibration. A number of mitigation measures and monitoring activities are recommended to minimize the potential impacts during construction.

Refer to **Table ES-2** for the complete list of potential impacts, mitigation measures, and monitoring activities for the Corktown Station early works.

The predicted construction levels are estimates based on conservative assumptions, reference equipment levels and the Corktown Station early works information (Corktown Station Early Works Project Footprint and construction activities) available to date. If limits are exceeded during construction, the prediction models can be used to determine which sources are causing the greatest impacts, and mitigation can be investigated for those specific sources.

### Noise

**Section 5** includes relevant assumptions and key inputs into the assessment of construction noise. Construction noise levels were predicted and compared against applicable criteria. Analysis of the results indicated that mitigation measures are required.

Noise screening was conducted to determine if detailed noise predictions would be required. Results showed that there are noise sensitive receivers within the noise screening area, thus detailed noise predictions are required.

Noise predictions were conducted and indicated that noise level criteria could be exceeded at the nearest noise sensitive receivers, with mitigation measures required to meet the noise level criteria. Potential noise sensitive receivers further away will have lower construction noise exposures.

Mitigation measures to meet criteria are to be further refined and updated as project planning progresses, and may include: restriction on hours of operation, inclusion of upgraded construction hoarding/temporary movable barriers between construction noise sources and sensitive points of reception, enclosures and silencers. Noise monitoring may be required where noise level limits may be exceeded. See **Table ES-2** for further details.

A number of general as well as site-specific noise mitigation recommendations and monitoring strategies have been compiled and are outlined in **Section 6**.

**Table ES-2: Potential Noise and Vibration Impacts, Mitigation Measures and Monitoring Activities for the Corktown Station Early Works**

Environmental Component	Potential Impact	Mitigation Measure(s)	Monitoring Activities
<b>Construction Noise</b>	<ul style="list-style-type: none"> <li>■ Environmental noise may cause annoyance and disturb sleep and other activities.</li> <li>■ The severity of the noise effects resulting from construction projects varies, depending on:               <ul style="list-style-type: none"> <li>– Scale, location and complexity of the Project</li> <li>– Construction methods, processes and equipment deployed</li> <li>– Total duration of construction near sensitive noise receivers</li> <li>– Construction activity periods (days, hours, time period)</li> <li>– Number and proximity of noise-sensitive sites to construction area(s)</li> </ul> </li> </ul>	<p>Construction noise impact mitigation measures to be considered include but are not limited to the following:</p> <ul style="list-style-type: none"> <li>■ Siting construction staging and laydown areas to avoid/reduce adverse impacts to sensitive receptors where possible.</li> <li>■ Use construction equipment compliant with noise level specifications in Ministry of the Environment, Conservation and Parks guidelines NPC-115 and NPC-118.</li> <li>■ Keep equipment in good working order and operate with effective muffling devices.</li> <li>■ Enclosures for equipment such as generators and compressors.</li> <li>■ Additional equipment silencers/mufflers.</li> <li>■ Use of upgraded construction hoarding (considering requirements from CSA Z107.9 for noise barriers) between construction equipment and noise sensitive receivers.</li> <li>■ Use of localized movable noise barriers/screens for specific equipment and operations.</li> <li>■ Minimize simultaneous operation of equipment where possible.</li> <li>■ Implement a no idling policy on site (unless necessary for equipment operation).</li> <li>■ Restrict construction hours where possible:               <ul style="list-style-type: none"> <li>– Perform construction during daytime hours where possible. If night time construction is necessary, the activities with the highest noise levels should be conducted during day time periods where possible.</li> <li>– If construction will occur outside of normal daytime hours, inform local residents before construction of type of construction and expected duration outside of daytime hours.</li> <li>– Consider operational duration limits for construction.</li> </ul> </li> <li>■ Limit the number of heavy trucks on site to the minimum required.</li> <li>■ Stage construction vehicles away from noise sensitive locations if possible.</li> <li>■ Establish and apply project-specific construction noise criteria.</li> <li>■ Coordinate with the Canadian Opera Company (at the Joey and Toby Tanenbaum Opera Centre at 227 Front Street East) and Canadian Stage (located on 26 Berkeley Street) to avoid disturbance during performances.</li> <li>■ Develop a communications protocol which includes timely resolution of complaints.</li> <li>■ A plan that addresses noise and vibration management will be developed as project planning progresses.</li> <li>■ Additional mitigation measures not listed above may be considered.</li> </ul>	<ul style="list-style-type: none"> <li>■ Noise levels will be monitored where the impact assessment indicates that noise limits may approach or exceed noise criteria, to identify if any additional mitigation is required and verify mitigation measure(s) effectiveness.</li> <li>■ Monitoring at locations where there are persistent complaints, as required.</li> </ul>
<b>Construction Vibration</b>	<ul style="list-style-type: none"> <li>■ Exposure to vibration may result in public annoyance and complaints. Vibration may also cause damage to buildings and other structures.</li> </ul>	<p>Construction vibration impact mitigation measures to be considered include but are not limited to the following to meet applicable vibration criteria:</p> <ul style="list-style-type: none"> <li>■ Siting construction staging and laydown areas to avoid/reduce adverse impacts to sensitive receptors where possible.</li> <li>■ Utilize equipment with low vibration emissions where possible.</li> <li>■ Restrict construction hours:               <ul style="list-style-type: none"> <li>– Perform construction during daytime hours where possible. If night time construction is necessary, the activities with the highest vibration levels should be conducted during daytime periods where possible.</li> </ul> </li> <li>■ Confirm results, restrictions and monitoring requirements of vibration assessment based upon refined site staging, equipment, construction areas, updated information regarding sensitive structures/operations that may require more stringent vibration limits than the limits in City of Toronto By-law 514-2008 prior to the commencement of construction, and update as necessary.</li> <li>■ Use alternative means of construction within 5.8 metres of structures so that the City of Toronto’s prohibited vibration level limits are not exceeded.</li> <li>■ Use alternative means of construction within 11.1 metres of structures so that the vibration level limits for buildings susceptible to vibration damage are not exceeded where applicable.</li> <li>■ Review other applicable vibration limits that may apply, such as the City of Toronto Specification GN117SS.</li> <li>■ Conduct monitoring and pre-construction inspections in accordance with City of Toronto By-law 514-2008. Monitoring and preconstruction requirements can be determined by calculation of Zone of Influence of construction equipment.</li> <li>■ Provide smooth surfaces for trucks to travel and route heavily loaded trucks away from vibration sensitive sites where possible.</li> </ul>	<ul style="list-style-type: none"> <li>■ Monitoring will be undertaken at locations within the Zone of Influence to ensure compliance with the City of Toronto By-law 514-2008 and to identify the need for additional mitigation if required.</li> <li>■ Monitoring will be undertaken to ensure compliance with other applicable vibration level limits identified, as required.</li> <li>■ Monitoring will be undertaken to verify mitigation measure(s) effectiveness.</li> <li>■ Pre-construction building inspection of potentially impacted buildings adjacent to the early works construction site are to be undertaken in accordance with City of Toronto By-law 514-2008. Continuous vibration monitoring along the construction site property lines closest to these structures will be initiated as warranted.</li> <li>■ Monitoring at locations where there are persistent complaints, as required.</li> </ul>

Environmental Component	Potential Impact	Mitigation Measure(s)	Monitoring Activities
		<ul style="list-style-type: none"> <li>■ Operate construction equipment on lower vibration settings where available.</li> <li>■ Maximize distance between equipment and sensitive receivers where possible.</li> <li>■ Establish and apply project-specific construction vibration criteria limits.</li> <li>■ Do not operate equipment where the City of Toronto By-law 514-2008 prohibited limits are predicted to be exceeded. Alternative construction methods and/or equipment with lower vibration emissions or power settings can be used if they do not exceed the City of Toronto’s prohibited vibration limits.</li> <li>■ Develop communications protocol which includes timely resolution of complaints.</li> <li>■ Additional mitigation measures not listed above may be considered.</li> </ul>	

## Vibration

**Section 5** includes relevant assumptions and key inputs into the assessment of construction vibration. Vibration Zones of Influence were calculated and mapped in accordance with the City of Toronto construction vibration by-law. The mapping was used to determine if any buildings would fall within areas where there is potential for building damage and vibration monitoring is expected to be required.

Analysis of the results indicated that mitigation measures may be required. Mitigation measures are to be further refined and updated as project planning progresses and may include operating equipment at lower vibration settings and using alternative construction methods.

A number of general as well as site-specific vibration mitigation recommendations and monitoring strategies have been compiled and are outlined in **Section 6**. Vibration monitoring is required for structures within the Zone of Influence.

### **ES.5 Permits and Approvals**

As noted in **Section 7**, at this time, provincial noise or vibration permits or approvals are not anticipated to be required. This will be confirmed as project planning progresses.

A construction vibration control form is typically required to accompany a building permit as per City of Toronto By-law 514-2008. This will be confirmed as project planning progresses and prior to implementation of the Corktown Station early works.

Should a building permit be required, Metrolinx will consult with the City of Toronto.

Metrolinx as a Crown agency of the Province of Ontario is exempt from certain municipal processes and requirements. In these circumstances, Metrolinx will engage with the City of Toronto to incorporate municipal requirements as a best practice, where practical, and may obtain associated permits and approvals.

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## **Appendices**

Appendix A. Terminology

Appendix B. Example Calculation

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# 1. Introduction

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## 1.1 Purpose of the Ontario Line Early Works

The Ontario Line Project (the Project) is being assessed in accordance with Ontario Regulation 341/20: Ontario Line Project under the Environmental Assessment Act. Ontario Regulation 341/20: Ontario Line Project outlines a Project-specific environmental assessment process that includes an Environmental Conditions Report, Environmental Impact Assessment Report, and an opportunity for Early Works Report(s) for assessment of works that are ready to proceed in advance of the Environmental Impact Assessment Report. The Environmental Conditions Report documents the local environmental conditions of the Ontario Line Study Area and provides a preliminary description of the potential environmental impacts from the Project. Information outlined in the Environmental Conditions Report is used to inform the Early Works Report(s) and Environmental Impact Assessment Report, which study environmental impacts in further detail and confirm and refine preliminary mitigation measures identified in the Environmental Conditions Report.

Ontario Line early works are components of the Project that are proposed to proceed before the completion of the Ontario Line environmental impact assessment process. An overview of the Project is provided in **Section 1.2**. Early works are defined in Ontario Regulation: 341/20: Ontario Line Project under the Environmental Assessment Act as follows:

“any components of the Ontario Line Project that Metrolinx proposes to proceed with before the completion of the Ontario Line assessment process, such as station construction, rail corridor expansion, utility relocation or bridge replacement or expansion.”

Corktown Station early works are considered to be of strategic importance in enabling the timely implementation of the Project. The Corktown Station early works site has been identified as the launch site for the tunnel excavation equipment to complete tunnels and underground station spaces for the downtown and Don Yard segments and construction of the Corktown Station. The First Parliament site is located within the Corktown Station early works site and is a known archaeological site which requires additional archaeological studies ahead of any ground disturbance activities. The Corktown Station early works site will provide essential logistics support required for the Project’s tunneling. To prepare this site, demolition of existing buildings and structures followed by completion of necessary archaeological studies is required. Completion of this preparatory work on an expedited basis is essential to allow for the timely delivery of the overall Project. Corktown Station early works are described in detail in **Section 1.3**.

### 1.1.1 Purpose of this Report

AECOM Canada Limited (AECOM) was retained by Metrolinx and Infrastructure Ontario to complete the Ontario Line Corktown Station Early Works Report for the Project. This Noise and Vibration Early Works Report (this Report) supports the Ontario Line Corktown Station Early Works Report and has been prepared to document the noise and vibration assessment of Corktown Station early works (**Figure 1-1**). The early works components and construction activities are described in **Section 1.3**.

The purpose of this Report is to:

- Assess the temporary construction noise and vibration impacts due to the Corktown Station early works; and,
- Provide noise and vibration mitigation and monitoring recommendations for the Corktown Station early works temporary construction.

This Report has been prepared in accordance with Ontario Regulation 341/20: Ontario Line Project and contains the information outlined in **Table 1-1**.

**Table 1-1: Report Contents in Accordance with Ontario Regulation 341/20: Ontario Line Project**

<b>Reg. Section</b>	<b>Requirement</b>	<b>Report Section</b>
Section 8(2)2	The rationale for proceeding with the early works.	<b>Section 1.1</b>
Section 8(2)4	A description of the local environmental conditions at the site of the early works.	<b>Section 4</b>
Section 8(2)6	Metrolinx’s assessment and evaluation of the impacts that the preferred method of carrying out the early works and other methods might have on the environment, and Metrolinx’s criteria for assessment and evaluation of those impacts.	<b>Section 5</b>
Section 8(2)7	A description of any measures proposed by Metrolinx for mitigating any negative impacts that the preferred method of carrying out the early works might have on the environment.	<b>Section 6</b>
Section 8(2)8	A description of the means Metrolinx proposes to use to monitor or verify the effectiveness of mitigation measures proposed.	<b>Section 6</b>
Section 8(2)9	A description of any municipal, provincial, federal or other approvals or permits that may be required for the early works.	<b>Section 7</b>

A glossary of terminology is provided in **Appendix A**.

Figure 1-1: Corktown Station Early Works Project Footprint and Components



## 1.2 Ontario Line Project Overview

Metrolinx, an agency of the Province of Ontario, is proceeding with the planning and development of the Ontario Line, extending from Exhibition/Ontario Place to the Ontario Science Centre in the City of Toronto.

The Project is a new approximately 15.6-kilometre subway line with connections to Line 1 (Yonge-University) subway service at Osgoode and Queen Stations, Line 2 (Bloor-Danforth) subway service at Pape Station, and Line 5 (Eglinton Crosstown) light rail transit service at the future Science Centre Station. Fifteen stations are proposed, with additional connections to three GO Transit lines (Lakeshore East, Lakeshore West and Stouffville), and the Queen, King, Bathurst, Spadina, Harbourfront, and Gerrard/Carlton streetcar routes. The Project will reduce crowding on Line 1 and provide connections to new high-order rapid transit neighbourhoods. The Project will be constructed in a dedicated right-of-way with a combination of elevated (i.e., above existing rail corridor/roadway), tunnelled (i.e., underground), and at-grade (i.e., at grade with existing rail corridor) segments at various locations.

## 1.3 Early Works Description

### 1.3.1 Project Description

The Corktown Station early works include demolition of existing buildings, removal of other structures and asphalt where required, decommissioning of utilities, and soil removal and/or remediation where required. These activities will enable the completion of environmental due diligence investigations, including archaeological assessments. These activities will occur on properties within the Corktown Station Early Works Project Footprint, as shown in **Figure 1-1**.

### 1.3.2 Early Works Project Footprint and Study Area

The Corktown Station Early Works Project Footprint, shown in **Figure 1-2**, is defined as the area of direct disturbance associated with the early works construction activities, including anticipated required construction staging and laydown areas<sup>2</sup>. The site is bound by King Street East to the north, Parliament Street to the east, Berkeley Street to the west and Parliament Square Park to the south.

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2. Staging and laydown areas are areas for the temporary storage of construction equipment and materials.

For the purpose of this Report, the Corktown Station Study Area, also shown in **Figure 1-2**, includes the Corktown Station Early Works Project Footprint and an approximately 205 metre buffer based upon the night time noise screening distance.

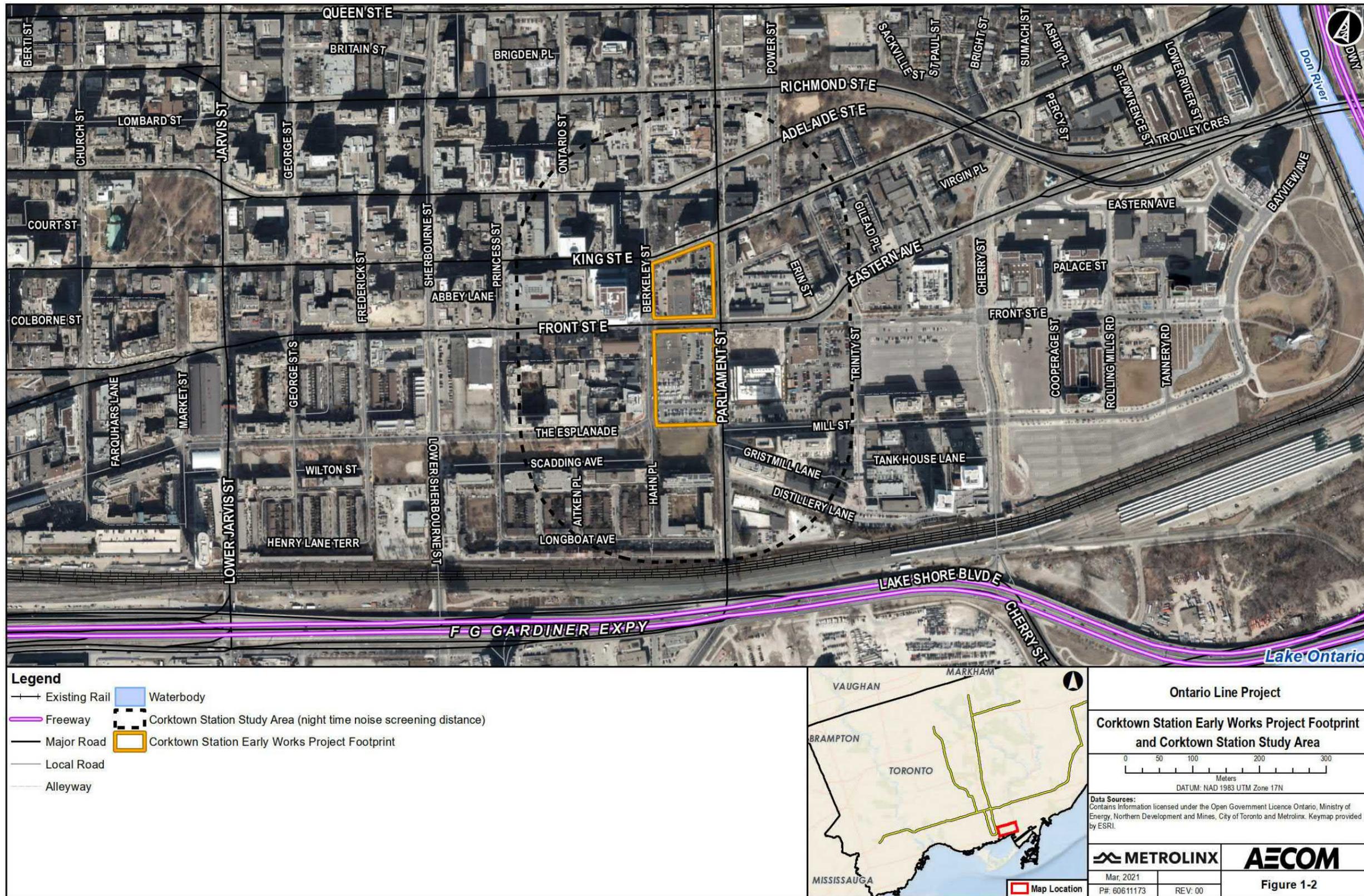
The Corktown Station Study Area was developed using noise and vibration screening areas which were determined by calculating the distances where the applicable criteria are predicted to be met, using a conservative approach where it was assumed that all construction equipment listed in **Table 3-1** would be active. The approximately 205 metre night time noise screening area was the largest and was thus used to define the Corktown Station Study Area.

The Corktown Station Study Area assessed in this Report is specific to the noise and vibration impact assessment. The study areas for other environmental disciplines are outlined in the Ontario Line Final Corktown Station Early Works Report.

### **1.3.3 Construction Activities**

**Table 1-2** provides a description of the anticipated construction activities for the Corktown Station early works. These typical activities serve as the basis for the assessment of construction-related potential environmental impacts. These activities may be expanded, further refined, or found to be unnecessary as project planning progresses.

Figure 1-2: Corktown Station Early Works Project Footprint and Corktown Station Study Area



**Table 1-2: Anticipated Construction Activities for the Ontario Line Corktown Station Early Works**

Anticipated Construction Activity	Description	Associated Equipment
<p><b>Site Preparation</b></p>	<ul style="list-style-type: none"> <li>■ Mobilization of equipment and temporary facilities to the site.</li> <li>■ Clearing and grubbing of vegetation, tree removal and protection.</li> <li>■ Erection of temporary fences.</li> <li>■ Installation of environmental management features (e.g., erosion and sediment controls).</li> <li>■ Dewatering works.</li> <li>■ Demobilization.</li> <li>■ Temporary signs.</li> <li>■ Locates and surveys.</li> <li>■ Notices.</li> <li>■ Site specific documents (safety, approvals, permit etc.).</li> </ul>	<ul style="list-style-type: none"> <li>■ Site compaction equipment and grading equipment.</li> <li>■ Vegetation removal equipment.</li> <li>■ Excavation equipment.</li> <li>■ Haulage/dump trucks.</li> <li>■ Dewatering equipment (pumps etc.).</li> <li>■ Hand tools.</li> <li>■ Surveying equipment.</li> <li>■ Flatbed truck.</li> <li>■ Forklift.</li> </ul>
<p><b>Site Servicing/ Removals/ Demolition</b></p>	<ul style="list-style-type: none"> <li>■ Decommissioning, relocation and/or extension of services and utilities on the site, which may include both underground and aerial services and utilities (e.g., sewers, water, electrical, communications, gas). This may also involve installation of utilities within the site.</li> <li>■ Removal of paved driveways, parking areas, and sub-surface foundations and footings.</li> <li>■ Demolition and removal of buildings.</li> <li>■ Removal/remediation of contaminated soil.</li> </ul>	<ul style="list-style-type: none"> <li>■ Excavation/demolition equipment including backhoe, dump trucks, spoils removal equipment, jackhammers.</li> <li>■ Hand tools.</li> <li>■ Mobile crane.</li> <li>■ Flatbed trucks.</li> <li>■ Boom truck.</li> </ul>
<p><b>Excavating and Grading</b></p>	<ul style="list-style-type: none"> <li>■ Excavation and grading activities may involve earth-moving activities and stockpiling, as applicable. Excavated material will be accommodated on-site on the degree practicable; however, where necessary, surplus material will be disposed of off-site to an approved facility.</li> <li>■ Any off-site disposal shall be done in compliance with applicable regulations, including as it relates to contaminated material that may be encountered.</li> <li>■ Any groundwater encountered will be managed and disposed of in accordance with applicable regulations.</li> </ul>	<ul style="list-style-type: none"> <li>■ Site compaction equipment and general grading equipment, dump trucks, soil removal equipment.</li> <li>■ Groundwater pumping equipment.</li> <li>■ Excavation equipment including backhoe, dump trucks, soil removal equipment, and jack hammers.</li> </ul>

<b>Anticipated Construction Activity</b>	<b>Description</b>	<b>Associated Equipment</b>
<b>Temporary Road Closures</b>	<ul style="list-style-type: none"> <li>■ All road closures will follow standard traffic control management guidelines.</li> </ul>	<ul style="list-style-type: none"> <li>■ Temporary traffic control devices such as signs, signals, barriers, traffic barrels, plate tampers.</li> </ul>
<b>Management of Stormwater</b>	<ul style="list-style-type: none"> <li>■ All precipitation falling within the site will be managed as stormwater within a designed system of collection, conveyance, retention and discharge features, as required. The system will be designed and operated in compliance with applicable standards and regulatory requirements. Surface flows within the site will be managed within the site to ensure discharge to off-site receivers (i.e., municipal storm sewers) is appropriate in terms of water quantity and quality.</li> </ul>	<ul style="list-style-type: none"> <li>■ Site compaction equipment and general grading equipment.</li> <li>■ Groundwater pumping.</li> </ul>

## 2. Applicable Guidelines and Criteria

The guidelines, criteria, and municipal by-laws applicable to the early works construction noise and vibration are summarized in the subsections below.

### 2.1 Noise

#### 2.1.1 Ministry of the Environment, Conservation and Parks

For construction noise, the Ministry of the Environment, Conservation and Parks sets out noise emission standards for various types of construction equipment in their publications NPC-115 (Ministry of the Environment, 1978) and NPC-118 (Ministry of the Environment, 1978). The sound emission standards outlined in NPC-115 and NPC-118, for typical construction equipment and vehicles, are reproduced in the **Table 2-1** to **Table 2-5** below.

**Table 2-1: NPC-115 Quiet Zone and Residential Area Sound Emission Standards for Excavation Equipment, Dozers, Loaders, Backhoes or Other Equipment Capable of Being used for Similar Application**

Date of Manufacture	Maximum Sound Level (dBA) as determined using Publication NPC-103 – Procedures Section 6	Maximum Sound Level (dBA) as determined using Publication NPC-103 – Procedures Section 6
	Power Rating Less than 75 kilowatts	Power Rating 75 kilowatts and Larger
January 1, 1979 to December 31, 1980	85	88
January 1, 1981 and after	83	85

**Table 2-2: NPC-115 Sound Emission Standards for Pneumatic Pavement Breakers**

Standard	Date of Manufacture	Maximum Sound Level (dBA) as measured using Publication NPC-103
Quiet Zone Sound Emission	January 1, 1979 and after	85
Residential Area Sound Emission	January 1, 1979 to December 31, 1980	90
Residential Area Sound Emission	January 1, 1981 and after	85

**Table 2-3: NPC-115 Sound Emission Standards for Portable Air Compressors**

Standard	Date of Manufacture	Maximum Sound Level (dBA) as measured using Publication NPC-103
Quiet Zone Sound Emission	January 1, 1979 to December 31, 1980	76
Quiet Zone Sound Emission	January 1, 1981 and after	70
Residential Area Sound Emission	January 1, 1979 and after	76

**Table 2-4: NPC-115 Sound Emission Standards for Tracked Drills**

Standard	Date of Manufacture	Maximum Sound Level (dBA) as measured using Publication NPC-103, Section 6
Quiet Zone and Residential Area Sound Emission	January 1, 1981 and after	100

**Table 2-5: NPC-118 Sound Emission Standards for Heavy Vehicles with Governed Diesel Engines**

Date of Manufacture	Maximum Sound Level (dBA) as measured using Publication NPC-103, Section 9
Prior to January 1, 1979	100
January 1, 1979 and after	95

### 2.1.2 Municipal Guidelines

Construction noise in the City of Toronto is typically addressed using City of Toronto Noise By-law 878-2019 (City of Toronto, 2019). However, as the Project qualifies as “Government Work” as per By-law 878-2019 (exempt from By-law requirements), the Project is exempt from the City of Toronto’s Noise By-law.

### 2.1.3 Other Guidance

Receiver based noise level limits provide a basis for the assessment of construction noise impacts to communities from construction over extended periods of time. The United States Federal Transit Administration’s Transit Noise and Vibration Impact Assessment Manual (United States Federal Transit Administration, 2018 – referred to as the Federal Transit Administration Guide) is widely used as a reference for

construction noise and vibration impact assessment and the eight-hour criteria have been used in past Metrolinx noise impact assessments.

The average daytime criterion is defined as a rolling eight-hour (any consecutive eight hours during a time period longer than eight hours) energy average ( $L_{eq, 8hr}$ ) over the course of the daytime, which is defined as 07:00 to 23:00 (Ministry of the Environment, 2013) for noise assessments in Ontario; this daytime noise level limit is 80 dBA. The average night time criterion is defined as the eight-hour energy average ( $L_{eq, 8hr}$ ) during the night time, which is defined as 23:00 to 07:00 (Ministry of the Environment, 2013); this night time noise level limit is 70 dBA. These assessment criteria have been adopted for use in the Corktown Station early works construction noise impact assessment and are summarized in **Table 2-6**.

**Table 2-6: Adopted Construction Noise Assessment Criteria**

Time Period	Criteria ( $L_{eq, 8hr}$ )
Daytime (07:00 – 23:00)	80 dBA
Night time (23:00 – 07:00)	70 dBA

## 2.2 Vibration

### 2.2.1 Ministry of the Environment, Conservation and Parks

The Ministry of the Environment, Conservation and Parks regulates vibration from blasting operations using NPC-119 (Ministry of the Environment, 1978), and impulse vibration from stationary facilities such as forging shops using NPC-207 (Ministry of the Environment, 1983). As blasting is not proposed for the Project, and NPC-207 is only applicable to long term operation of a stationary source of vibration, the Ministry of the Environment, Conservation and Parks does not have any guidelines applicable to construction vibration associated with the Corktown Station early works.

### 2.2.2 Municipal Guidelines

The City of Toronto regulates construction vibration using By-law 514-2008 (City of Toronto, 2008). By-law 514-2008 sets out a screening area (Zone of Influence) where vibration levels are predicted to exceed 5 millimetres per second (mm/s). Should this Zone of Influence extend beyond the boundaries of the construction site, construction vibration monitoring, pre-construction surveys, and pre-construction consultation with property owners and occupants within the Zone of Influence are required. Furthermore, By-law 514-2008 defines vibration limits (prohibited levels) for various frequencies that must not be exceeded, presented in **Table 2-7** below.

**Table 2-7: City of Toronto Prohibited Vibration Levels**

<b>Frequency of Vibration (Hz)</b>	<b>Vibration Peak Particle Velocity (mm/s)</b>
<b>Less than 4</b>	8
<b>4 to 10</b>	15
<b>More than 10</b>	25

As project planning progresses, other criteria/vibration limits that may apply such as the City of Toronto Specification GN117SS which includes limits for trunk sewers and bridge structures may be included. The vibration assessment should be reviewed and, if required, any updates should be made prior to construction commencement.

### **2.2.3 Other Guidance**

Construction vibration can be a concern for felt vibration and annoyance. To review the potential for vibration to be felt, the typical threshold for vibration annoyance (0.14 mm/s root mean square velocity, in accordance with the Ministry of the Environment and Energy and GO Transit, 1994) for operational vibration sources was used as the basis for the review.

Buildings potentially more susceptible to vibration damage, such as structures on heritage designated or listed properties, can be a factor in the analysis of construction vibration. The Federal Transit Administration Guide includes vibration damage criteria for buildings classified as “extremely susceptible to vibration damage”. The limit is 0.12 inches per second (equivalent to 3.0 mm/s). This limit has been adopted for the assessment of the potential construction vibration impacts to known or potential built heritage resources (i.e., buildings/structures with known or potential heritage significance).

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## 3. Methodology

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This Report documents the assessment of Corktown Station early works construction impacts related to noise and vibration. Impacts associated with Project operations will be addressed as part of the Environmental Impact Assessment Report, under separate cover. Noise and vibration impacts due to the construction of the early works are temporary and will cease once construction has been completed.

### 3.1 Local Environmental Conditions

AECOM has conducted baseline measurements as described in the Ontario Line Final Environmental Conditions Report (AECOM, 2020)<sup>3</sup>, to characterise the existing noise and vibration levels within the Ontario Line Study Area.

Data relevant to the Corktown Station early works construction have been included in **Section 4** below.

Continuous noise measurements were collected over several days at locations representative of noise sensitive receivers. Noise measurements were collected using Quest SoundPro Type 1 and 2 sound level meters. Data collected during inclement weather conditions were discounted from statistical analysis.

Baseline vibration measurements were not required, as the construction vibration assessment in this Report uses absolute limits that do not change based upon the existing vibration levels. The local environment does not have any normally occurring sources of perceptible vibration; the most significant source of vibration near the early works site are the existing rail lines (i.e., King Street streetcar). Thus, for the majority of the Corktown Station Study Area, existing vibration levels are expected to be below human perceptibility, except in close proximity to the existing streetcar rail lines.

### 3.2 Impact Assessment

The early works impact assessment and development of mitigation measures and monitoring activities considered the following:

- Corktown Station early works components as described in **Section 1.3.1**;
- The Corktown Station Early Works Project Footprint and Corktown Station Study Area as described in **Section 1.3.2**;

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3. The Ontario Line Final Environmental Conditions Report (AECOM, 2020) was published on November 30, 2020 in accordance with Ontario Regulation 341/20: Ontario Line Project.

- Corktown Station construction activities as described in **Section 1.3.3**; and,
- Local environmental conditions within the Corktown Station Study Area as described in **Section 4**.

Noise and vibration criteria from various sources – City of Toronto, the Ministry of the Environment, Conservation and Parks , and the United States Federal Transit Administration – were reviewed for applicability to the Project. Criteria from the Federal Transit Administration Guide were used to supplement local criteria. Criteria reviewed and adopted for this assessment are summarized in **Section 2**.

Mitigation measures and monitoring activities have been recommended to mitigate the identified potential negative impacts within the Corktown Station Study Area. The results of the impact assessment are provided in **Section 5**, and recommended mitigation measures and monitoring activities outlined in **Section 6**.

### **3.2.1 Noise**

The construction noise assessment evaluated the potential impacts to the nearby noise sensitive receivers. Noise sensitive receivers are defined as properties that accommodate a dwelling unit(s), used for noise sensitive commercial purposes, sleeping facilities, or noise sensitive institutional purposes such as educational facilities.

First, a noise screening was conducted to determine if receptor-specific noise predictions were required. The noise screening was completed by determining the distances where the day or night time criteria are predicted to be met, assuming all construction equipment in **Table 3-2** was active, using a conservative approach to determine the screening distance, which assumed flat ground and no shielding or other noise attenuation effects (see **Appendix B**). The screening distances were then used to create screening areas on maps to determine if any possible sensitive receivers were located within the screening areas (see **Section 5.1**). Assessed representative receptors were selected based upon their location within the noise screening area and their proximity to the Corktown Station Early Works Project Footprint. The assessed representative noise receptors are further described in **Section 5.1**.

Noise predictions at selected representative receptors included the modelling of various scenarios, using noise calculation algorithms which account for building and geometric noise shielding effects, ground effects, and air attenuation. The receptor-specific noise predictions were conducted for the nearest (to the Corktown Station Early Works Project Footprint) noise sensitive (closest and with highest noise exposures) receivers. Potential noise sensitive receivers further away will have lower construction noise exposures.

An acoustic model using the ISO 9613 (International Organization for Standardization, 1996) prediction algorithms was prepared. As the construction equipment cannot all operate in the same physical position, the equipment was modelled as operating over an area closest to the assessed representative receiver.

For the purpose of this study, a conservative approach was used where it was assumed that equipment could operate anytime.

Other assumptions include:

- Adjacent residential properties were assumed to be occupied by residents over the course of construction; and,
- Ground absorption would have a negligible effect and has been set to zero.

The predicted construction noise levels are estimates based on conservative assumptions, reference equipment noise levels and the Corktown Station early works information (Corktown Station Early Works Project Footprint and construction activities) available to date. Results were compared to guideline limits and mitigation recommendations were made to reduce the noise impacts. The impact assessment and assumptions shall be reviewed prior to the commencement of construction using the most up-to-date information on construction methods and techniques, equipment, and refined construction areas, and updated if required.

### **3.2.2 Vibration**

Vibration receptors are defined as any structures where applicable vibration criteria could be exceeded. The assessment of construction vibration was based on the City of Toronto's definition of Zone of Influence - the area (zone) in which vibration levels are predicted to be at or above the screening threshold. Zone of Influence mapping determines which locations may be above the applicable vibration criteria and where vibration controls may need to be implemented.

The Corktown Station early works vibration Zone of Influence was calculated using the Federal Transit Administration Guide's construction vibration propagation equations to calculate the distances where the screening threshold is met. These distances define the Zone of Influence.

A conservative approach was used, where construction equipment operations within the construction areas were assumed to be unrestricted to specific areas, and the equipment with the maximum vibration levels was used as the basis of assessment. As a result, Corktown Station early works vibration Zone of Influence is based upon the

equipment with the highest vibration levels operating at the edge of the Corktown Station Early Works Project Footprint.

Screening distances for the other applicable vibration criteria (City of Toronto By-law prohibited limit, Federal Transit Administration Guide limit for buildings extremely susceptible to building damage, and human perceptibility – discussed in **Section 2.2**) were also mapped.

Structures within the Corktown Station Early Works Project Footprint were assumed to be the responsibility of Metrolinx and have not been included as receivers in this analysis.

The predicted construction vibration Zones of Influence are based on conservative assumptions, reference equipment vibration levels and the Corktown Station early works information available to date (**Section 1.3**). Representative vibration receptors were identified using the Zone of Influence as described above and are further described in **Section 5.2**. Assessment results were compared to vibration criteria and mitigation recommendations are made to avoid or reduce the vibration impacts based on the calculated Zone of Influence. The impact assessment and assumptions shall be reviewed prior to the commencement of construction using the most up-to-date information on construction methods and techniques, equipment, and refined construction areas, and updated if required.

### **3.3 Construction Activities and Equipment**

Preliminary construction activities associated with Corktown Station early works are provided in **Table 1-2**. Construction activities were consolidated into assessment scenarios based upon the following:

- Activities that do not have associated construction noise or vibration equipment, such as temporary road closures, have not been included in this assessment;
- Activities that occur simultaneously with other activities, such as stormwater management, have been included in the assessment of the other assessed construction activities; and,
- Activities that are similar to other activities which have similar noise and vibration impacts have been assessed in the same scenario.

The construction equipment listed in **Table 1-2** has also been supplemented based on past project experience with similar construction activities.

The consolidated construction site activity scenarios include:

- Site Preparation;
- Site Services (Utility Decommissioning/Relocation);
- Demolition; and,
- Excavation/Grading.

Construction equipment and reference construction equipment noise and vibration source data are presented in **Table 3-1** and **Table 3-2** respectively. Exact construction equipment quantities, types, and staging will be determined in advance of construction and may vary from the tables below. Updates will be addressed as project planning progresses. Reference data were sourced from the Federal Transit Administration Guide and the United States Federal Highway Administration's Roadway Construction Noise Model (United States Federal Highway Administration, 2006 – referred to as the RCNM).

**Table 3-1: Assumed Construction Equipment by Activity**

<b>Equipment</b>	<b>Site Preparation</b>	<b>Site Services (Utility Decommissioning/ Relocation)</b>	<b>Demolition</b>	<b>Excavation/ Grading</b>
Backhoe	X	X	X	X
Chainsaw	X	-	-	-
Compactor (ground)	X	-	-	X
Compressor (air)	-	X	X	-
Concrete Mixer Truck	-	X	-	-
Concrete Saw	-	X	X	-
Crane (mobile)	-	X	X	-
Dozer	X	-	X	X
Dump/Flatbed/ Concrete Truck Movements	6 per hour	6 per hour	6 per hour	6 per hour
Excavator	X	X	X	X
Front End Loader	X	X	-	X
Generator	-	-	X	-
Grader	X	-	-	X
Hoe Ram	-	-	X	-
Jack Hammer	-	X	X	X
Man Lift	-	-	X	-
Pavement Scarifier	-	-	X	-
Pumps	X	-	-	X
Roller	X	-	-	X
Vacuum Excavator	-	X	-	-

**Table 3-2: Reference Construction Equipment Data**

<b>Equipment</b>	<b>Reference Noise Data Sound Level at 15.24 m / 50 ft (dBA)</b>	<b>Reference Noise Data Acoustical Usage Factor (%)</b>	<b>Reference Vibration Data PPV at 7.62 m / 25 ft (mm/s)</b>	<b>Reference Vibration Data RMSV at 7.62 m / 25 ft (VdB ref 1 micro-inch/s)</b>
<b>Backhoe<sup>1</sup></b>	80	40	0.076	58
<b>Chain Saw</b>	85	20	Negligible	Negligible
<b>Compactor (ground)<sup>2</sup></b>	80	20	0.889	79
<b>Compressor (air)</b>	80	40	Negligible	Negligible
<b>Concrete Mixer Truck</b>	85	40	1.930	86
<b>Concrete Saw</b>	90	20	Negligible	Negligible
<b>Crane (mobile)</b>	85	16	Negligible	Negligible
<b>Dozer</b>	85	40	2.261	87
<b>Dump/Flatbed Truck</b>	84	40	1.930	86
<b>Excavator<sup>1</sup></b>	80	40	0.076	58
<b>Front End Loader<sup>1</sup></b>	80	40	0.076	58
<b>Generator</b>	82	50	Negligible	Negligible
<b>Grader<sup>1</sup></b>	85	40	0.076	58
<b>Hoe Ram</b>	90	20	2.261	87
<b>Jack Hammer</b>	89	20	0.889	79
<b>Man Lift</b>	85	20	Negligible	Negligible
<b>Pavement Scarifier<sup>3</sup></b>	85	20	0.076	58
<b>Pumps</b>	77	50	Negligible	Negligible
<b>Roller</b>	85	20	5.334	94
<b>Vacuum Excavator</b>	85	40	Negligible	Negligible

Notes: (1) Assumed similar to small dozer in Federal Transit Administration Guide (vibration)  
(2) Assumed similar to jack hammer in the Federal Transit Administration Guide (vibration)  
(3) Assumed similar to grader/small dozer in the Federal Transit Administration Guide (vibration)

## 4. Local Environmental Conditions

### 4.1 Noise

As discussed in **Section 3.1**, relevant monitoring locations data are presented in **Table 4-1** with monitoring locations shown on **Table 4-1**.

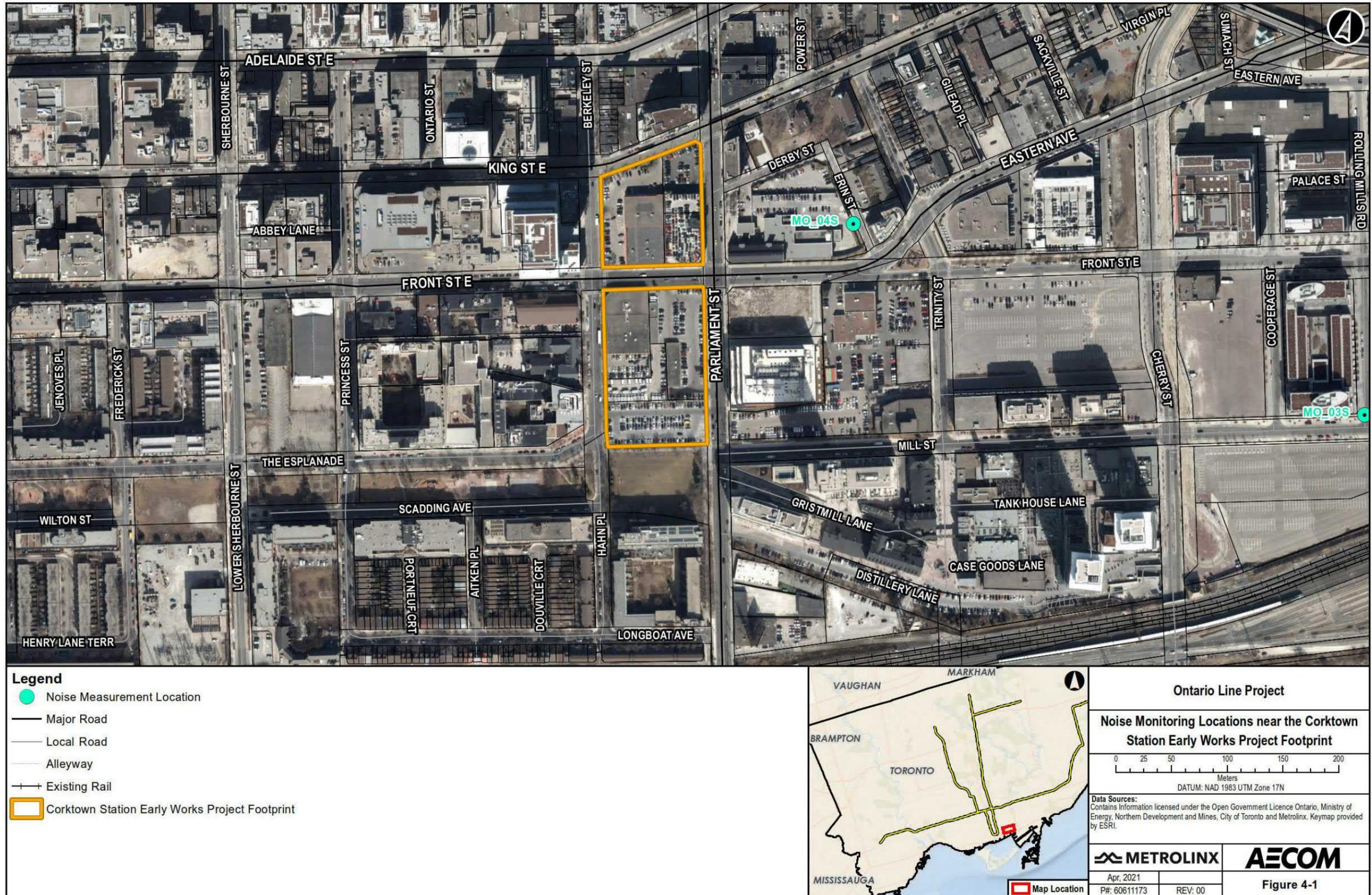
**Table 4-1: Relevant Baseline Noise Measurement Data**

Monitoring Location	Daytime (07:00-19:00) Average	Daytime (07:00-19:00) Minimum	Daytime (07:00-19:00) Maximum	Evening (19:00-23:00) Average	Evening (19:00-23:00) Minimum	Evening (19:00-23:00) Maximum	Night (23:00-07:00) Average	Night (23:00-07:00) Minimum	Night (23:00-07:00) Maximum
	$L_{eq, 1hr}$ (dBA)	$L_{eq, 1hr}$ (dBA)	$L_{eq, 1hr}$ (dBA)	$L_{eq, 1hr}$ (dBA)					
MO_04S Erin Street	64	61	69	62	61	67	58	55	63

### 4.2 Vibration

As discussed in **Section 3.1**, baseline vibration measurements were not required as the construction vibration assessment in this Report uses absolute limits that do not change based upon the existing vibration levels.

Figure 4-1: Noise Monitoring Location near the Corktown Station Early Works Project Footprint



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## 5. Impact Assessment Results

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Potential impacts of the noise and vibration associated with the construction of Corktown Station early works have been assessed and are described in the following subsections.

Recommended mitigation measures and monitoring activities are presented in **Section 6**.

### 5.1 Noise

As discussed in **Section 3.2.1** a noise screening was conducted based upon conservative assumptions to determine if receptor-specific noise predictions are required. Noise screening mapping for Corktown Station is presented in **Figure 5-1**. Results of the noise screening show that there are a number of noise sensitive receivers located within the screening distance, necessitating receptor-specific noise predictions.

The Corktown Station Early Works Project Footprint is surrounded by a mixture of Commercial Residential Employment zoned lands, commercial land uses, institutional (police station), and residential land uses. The nearest representative noise sensitive receptors are:

- 393 King Street East (Commercial Residential Employment);
- 322 King Street East (Mixed-use Residential);
- 302 King Street East (Commercial Residential Employment);
- 361 King Street East (Commercial Residential Employment);
- 2 Berkeley Street ((Commercial Residential Employment);
- 33 Hahn Place (Residential); and
- 5 Mill Street (Mixed-use Residential);

Potential noise sensitive receivers further away will have lower construction noise exposures.

As per Ministry of the Environment, Conservation and Parks noise guidelines, the Globe and Mail Centre, Toronto Police Station – 51 Division, and the Equinix Data Centre are not considered noise sensitive receptors.

The Canadian Opera Company (at the Joey and Toby Tanenbaum Opera Centre at 227 Front Street East) and Canadian Stage (located on 26 Berkeley Street) were not reviewed explicitly as these locations are typically only noise sensitive during performances; the noise level at their outside façade will be similar to the noise levels at the assessed 2 Berkeley Street location. Coordination with these locations will take place to avoid disturbance during performances.

The predicted noise levels from the construction of the Corktown Station early works are presented in **Table 5-1**.

**Table 5-1: Construction Noise Prediction Results**

<b>Representative Receiver</b>	<b>Assessment Criteria (day <math>L_{eq,8hr}</math>/ night <math>L_{eq,8hr}</math>)</b>	<b>Site Preparation Predicted <math>L_{eq, 8hr}</math> [dBA]</b>	<b>Site Services (Utility Decommissioning/ Relocation) Predicted <math>L_{eq, 8hr}</math> [dBA]</b>	<b>Demolition Predicted <math>L_{eq, 8hr}</math> [dBA]</b>	<b>Excavation/ Grading Predicted <math>L_{eq, 8hr}</math> [dBA]</b>
<b>393 King Street East (Commercial Residential Employment)</b>	80/70	79	80	81	80
<b>322 King Street East (Mixed-use Residential)</b>	80/70	81	82	82	81
<b>302 King Street East (Commercial Residential Employment)</b>	80/70	80	81	82	81
<b>361 King Street East (Commercial Residential Employment)</b>	80/70	80	81	82	80
<b>2 Berkeley Street (Commercial Residential Employment)</b>	80/70	79	83	83	83
<b>33 Hahn Place (Residential)</b>	80/70	74	77	77	77
<b>5 Mill Street (Mixed-use Residential)</b>	80/70	76	79	80	79

Results in the above table indicate that, without mitigation, the noise levels are predicted to exceed the adopted daytime noise criteria in some cases, and night time noise criteria in all scenarios. Recommendations to reduce the noise impacts are presented in **Section 6**.

## 5.2 Vibration

The construction equipment with the greatest potential impact for this project is the vibratory roller, and thus the screening distances calculated were based on the vibratory roller. The screening distances are:

- For perceptible vibration (annoyance) 0.14 mm/s (RMSV) – 33 metres;
- For buildings extremely susceptible to vibration damage 3.0 mm/s – 11.1 metres;
- City of Toronto Screening 5.0 mm/s – 7.9 metres; and,
- City of Toronto Prohibited Limit 8.0 mm/s – 5.8 metres.

Mapping of the vibration screening distances in **Figure 5-2** shows that vibration levels may be perceptible at the following buildings near the Corktown Station Early Works Project Footprint:

- 393 King Street East (Commercial Residential Employment);
- 318-330 King Street East (Mixed-use Residential);
- 310 King Street East (Commercial);
- 302 King Street East and attached 53 Berkeley Street (Commercial Residential Employment);
- 300 King Street East (Commercial Residential Employment);
- 361 King Street East and attached 54 Berkeley Street (Commercial Residential Employment);
- 240 Front Street East (Globe and Mail Centre);
- 251 Front Street East (Canadian Opera Company at the Joey and Toby Tanenbaum Opera Centre);
- 26 Berkeley Street (Canadian Stage);
- 2 Berkeley Street (Commercial Residential Employment);
- 5 Mill Street (Mixed-use Residential);
- 45 Parliament Street (Commercial); and,
- 51 Parliament Street (51 Division – Toronto Police Service).

The screening distance for buildings extremely susceptible to vibration damage used to review the potential of damage to structures on properties that are known or potential built heritage resources was mapped as shown on **Figure 5-2**. Mapping indicates that the screening distance does not extend beyond the public right of way adjacent to the Corktown Station Early Works Project Footprint. No structures that are known or potential built heritage resources are located within the screening distance for buildings extremely susceptible to vibration damage.

Figure 5-1: Noise Screening for the Corktown Station Early Works Project Footprint

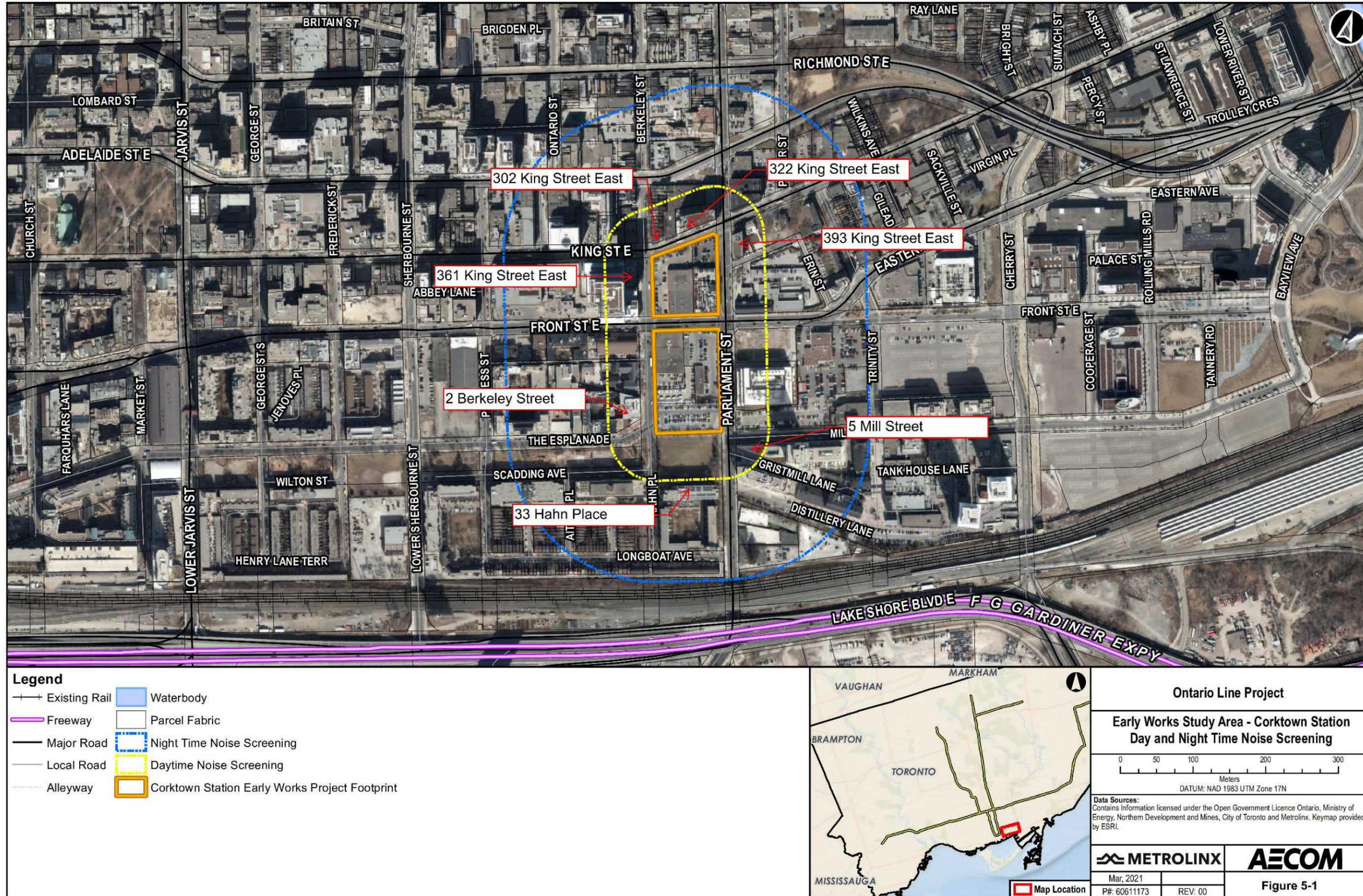
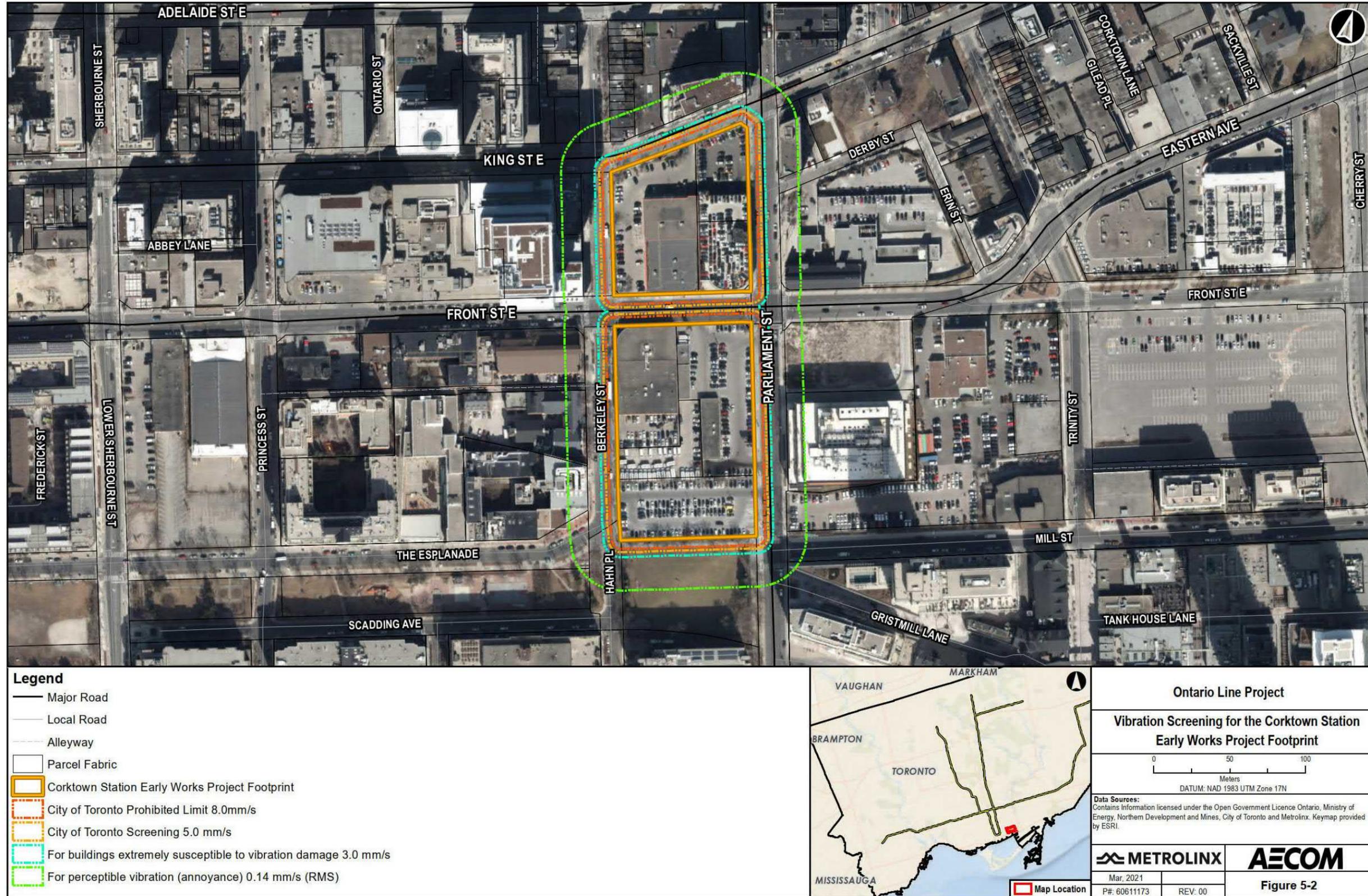


Figure 5-2: Vibration Screening for the Corktown Station Early Works Project Footprint



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## 6. Potential Impacts, Mitigation Measures and Monitoring Activities

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In accordance with Sections 8(2)6, 8(2)7 and 8(2)8 of Ontario Regulation 341/20: Ontario Line Project, this section describes the potential impacts, mitigation measures, and monitoring activities to verify the effectiveness of mitigation measures associated with the Corktown Station early works.

The results of the above assessment indicate that mitigation and monitoring will be required. Recommended mitigation measures and monitoring activities to be carried forward and refined (as required as project planning progresses) are summarized below. Additional mitigation measures may be considered as project planning progresses. Note that noise and vibration impacts due to the construction of the Corktown Station early works are temporary and will cease once early works activities have been completed. A summary of potential impacts, mitigation measures, commitments, and monitoring activities to verify mitigation measure effectiveness for this Project is provided in **Table 6-1**.

### 6.1 Mitigation Measures – General Recommendations

General mitigation recommendations are typical measures applicable to most construction projects and include best practices to decrease potential impacts. Preliminary recommendations to be further refined and updated as project planning progresses are described in the subsections below.

#### 6.1.1 Noise

Mitigation measures to be investigated as project planning progresses for construction noise levels to meet the applicable criteria include but are not limited to the following:

- Comply with applicable noise guidelines from the Ministry of Environment, Conservation and Parks including NPC-115 and NPC-118;
- Operate construction equipment during daytime hours and avoid night time operations where feasible, in an effort to minimize the potential for complaints;
- If construction will occur outside of normal daytime hours, inform local residents of the type of construction and expected duration outside of daytime hours prior to commencing work;

- Use of upgraded construction hoarding (considering requirements from CSA Z107.9, Standard for Certification of Noise Barriers) between construction equipment and noise sensitive receivers;
- Evaluate acoustic enclosures for equipment such as generators and compressors;
- Use of localized noise barriers for specific equipment and operations;
- Minimize simultaneous operation of equipment where possible;
- Implement a no idling policy on site (unless necessary for equipment operation);
- Use of broadband back up signals instead of tonal backup signals; and,
- Arrange site to avoid vehicles traveling in reverse if possible.

Re-evaluation of mitigation requirements should be completed as project planning progresses to account for design and construction methodology updates.

### **6.1.2 Vibration**

Mitigation measures to be investigated as project planning progresses for construction vibration levels to meet applicable criteria include but are not limited to the following:

- Update vibration assessment based upon finalized site staging, construction operational areas, and building locations; location and number of structures within the Zone of Influence may change, as required. As Zone of Influence mapping was based upon a vibratory roller, the associated Zone of Influence setback distances could decrease if equipment with lower vibration emissions are used;
- Update vibration assessment for sensitive infrastructure such as utilities in vicinity of Corktown Station Early Works Project Footprint, as required;
- Conduct monitoring and preconstruction inspections in accordance with City of Toronto By-law 514-2008. Monitoring and preconstruction requirements can be determined by the distance between the construction equipment operation area and sensitive receivers;
- Provide smooth surfaces for trucks to travel;
- Operate during daytime where possible;
- Route heavily loaded trucks away from vibration sensitive sites where possible;

- Manage the sequence of construction phases such as demolition, earth-moving, and ground-impacting operations to not occur in the same period, to the extent possible;
- Operate construction equipment on lower vibration settings where available;
- Maximize distance between equipment and sensitive receivers where possible; and,
- Do not operate equipment at setback distances less than the prohibited Zone of Influence. Use alternative means of construction within these distances that result in vibration levels below the City of Toronto’s prohibited vibration limits. Note that Zone of Influence was calculated based upon generic equipment. Equipment with lower vibration emissions, or power settings, can be used provided that vibration levels do not exceed the City of Toronto’s prohibited vibration limits.

Re-evaluation of mitigation requirements should be completed as project planning progresses to account for design and construction methodology updates.

## **6.2 Mitigation Measures – Site-Specific Recommendations**

Mitigation recommendations specific to the Corktown Station early works, to be further refined and updated as planning progresses, are described in **Section 6.2.1** and **Section 6.2.2** below.

### **6.2.1 Noise**

Mitigation measures will be investigated and updated as planning progresses for construction noise levels to be below applicable criteria limits. The following noise mitigation measures should be considered to decrease construction noise impacts:

- Consider construction work shift duration limits;
- Stage equipment away from noise sensitive locations;
- Coordinate with the Canadian Opera Company (at the Joey and Toby Tanenbaum Opera Centre at 227 Front Street East) and Canadian Stage (located on 26 Berkeley Street) to avoid disturbance during performances. Limit the number of trucks on site to the minimum required; and,
- Use temporary movable noise screens for the loudest construction activities.

## **6.2.2 Vibration**

Mitigation measures to be further refined and updated as planning progresses, for construction vibration levels to be below applicable criteria limits, include:

- Review the assumptions from the construction vibration analysis and, as stated in the **Section 2**, review other applicable vibration limits that may apply such as City of Toronto Specification GN117SS which includes limits for trunk sewers. If required, update the analysis prior to construction.;
- Use alternative means of construction within 5.8 metres of structures that result in vibration levels below the City of Toronto’s prohibited vibration limits.; and,
- Use alternative means of construction within 11.1 metres of structures that result in vibration levels below the limit for buildings extremely susceptible for vibration damage.

## **6.3 Potential Impacts, Mitigation Measures and Monitoring Activities Summary**

**Table 6-1** below presents a summary of potential impacts, mitigation measures and monitoring activities to verify mitigation measure effectiveness.

**Table 6-1: Potential Noise and Vibration Impacts, Mitigation Measures and Monitoring Activities for the Corktown Station Early Works**

Environmental Component	Potential Impact	Mitigation Measure(s)	Monitoring Activities
<b>Construction Noise</b>	<ul style="list-style-type: none"> <li>■ Environmental noise may cause annoyance and disturb sleep and other activities.</li> <li>■ The severity of the noise effects resulting from construction projects varies, depending on:               <ul style="list-style-type: none"> <li>– Scale, location and complexity of the Project</li> <li>– Construction methods, processes and equipment deployed</li> <li>– Total duration of construction near sensitive noise receivers</li> <li>– Construction activity periods (days, hours, time period)</li> <li>– Number and proximity of noise-sensitive sites to construction area(s)</li> </ul> </li> </ul>	<p>Construction noise impact mitigation measures to be considered include but are not limited to the following:</p> <ul style="list-style-type: none"> <li>■ Siting construction staging and laydown areas to avoid/reduce adverse impacts to sensitive receptors where possible.</li> <li>■ Use construction equipment compliant with noise level specifications in Ministry of the Environment, Conservation and Parks guidelines NPC-115 and NPC-118.</li> <li>■ Keep equipment in good working order and operate with effective muffling devices.</li> <li>■ Enclosures for equipment such as generators and compressors.</li> <li>■ Additional equipment silencers/mufflers.</li> <li>■ Use of upgraded construction hoarding (considering requirements from CSA Z107.9 for noise barriers) between construction equipment and noise sensitive receivers.</li> <li>■ Use of localized movable noise barriers/screens for specific equipment and operations.</li> <li>■ Minimize simultaneous operation of equipment where possible.</li> <li>■ Implement a no idling policy on site (unless necessary for equipment operation).</li> <li>■ Restrict construction hours where possible:               <ul style="list-style-type: none"> <li>– Perform construction during daytime hours where possible. If night time construction is necessary, the activities with the highest noise levels should be conducted during day time periods where possible.</li> <li>– If construction will occur outside of normal daytime hours, inform local residents before construction of type of construction and expected duration outside of daytime hours.</li> <li>– Consider operational duration limits for construction.</li> </ul> </li> <li>■ Limit the number of heavy trucks on site to the minimum required.</li> <li>■ Stage construction vehicles away from noise sensitive locations if possible.</li> <li>■ Establish and apply project-specific construction noise criteria.</li> <li>■ Coordinate with the Canadian Opera Company (at the Joey and Toby Tanenbaum Opera Centre at 227 Front Street East) and Canadian Stage (located on 26 Berkeley Street) to avoid disturbance during performances.</li> <li>■ Develop a communications protocol which includes timely resolution of complaints.</li> <li>■ A plan that addresses noise and vibration management will be developed as project planning progresses.</li> <li>■ Additional mitigation measures not listed above may be considered.</li> </ul>	<ul style="list-style-type: none"> <li>■ Noise levels will be monitored where the impact assessment indicates that noise limits may approach or exceed noise criteria, to identify if any additional mitigation is required and verify mitigation measure(s) effectiveness.</li> <li>■ Monitoring at locations where there are persistent complaints, as required.</li> </ul>
<b>Construction Vibration</b>	<ul style="list-style-type: none"> <li>■ Exposure to vibration may result in public annoyance and complaints. Vibration may also cause damage to buildings and other structures.</li> </ul>	<p>Construction vibration impact mitigation measures to be considered include but are not limited to the following to meet applicable vibration criteria:</p> <ul style="list-style-type: none"> <li>■ Siting construction staging and laydown areas to avoid/reduce adverse impacts to sensitive receptors where possible.</li> <li>■ Utilize equipment with low vibration emissions where possible.</li> <li>■ Restrict construction hours:               <ul style="list-style-type: none"> <li>– Perform construction during daytime hours where possible. If night time construction is necessary, the activities with the highest vibration levels should be conducted during daytime periods where possible.</li> </ul> </li> <li>■ Confirm results, restrictions and monitoring requirements of vibration assessment based upon refined site staging, equipment, construction areas, updated information regarding sensitive structures/operations that may require more stringent vibration limits than the limits in City of Toronto By-law 514-2008 prior to the commencement of construction, and update as necessary.</li> <li>■ Use alternative means of construction within 5.8 metres of structures so that the City of Toronto’s prohibited vibration level limits are not exceeded.</li> <li>■ Use alternative means of construction within 11.1 metres of structures so that the vibration level limits for buildings susceptible to vibration damage are not exceeded where applicable.</li> <li>■ Review other applicable vibration limits that may apply, such as the City of Toronto Specification GN117SS.</li> <li>■ Conduct monitoring and pre-construction inspections in accordance with City of Toronto By-law 514-2008. Monitoring and preconstruction requirements can be determined by calculation of Zone of Influence of construction equipment.</li> <li>■ Provide smooth surfaces for trucks to travel and route heavily loaded trucks away from vibration sensitive sites where possible.</li> </ul>	<ul style="list-style-type: none"> <li>■ Monitoring will be undertaken at locations within the Zone of Influence to ensure compliance with the City of Toronto By-law 514-2008 and to identify the need for additional mitigation if required.</li> <li>■ Monitoring will be undertaken to ensure compliance with other applicable vibration level limits identified, as required.</li> <li>■ Monitoring will be undertaken to verify mitigation measure(s) effectiveness.</li> <li>■ Pre-construction building inspection of potentially impacted buildings adjacent to the early works construction site are to be undertaken in accordance with City of Toronto By-law 514-2008. Continuous vibration monitoring along the construction site property lines closest to these structures will be initiated as warranted.</li> <li>■ Monitoring at locations where there are persistent complaints, as required.</li> </ul>

Environmental Component	Potential Impact	Mitigation Measure(s)	Monitoring Activities
		<ul style="list-style-type: none"> <li>■ Operate construction equipment on lower vibration settings where available.</li> <li>■ Maximize distance between equipment and sensitive receivers where possible.</li> <li>■ Establish and apply project-specific construction vibration criteria limits.</li> <li>■ Do not operate equipment where the City of Toronto By-law 514-2008 prohibited limits are predicted to be exceeded. Alternative construction methods and/or equipment with lower vibration emissions or power settings can be used if they do not exceed the City of Toronto’s prohibited vibration limits.</li> </ul> <p>Develop communications protocol which includes timely resolution of complaints.</p> <p>– Additional mitigation measures not listed above may be considered.</p>	

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## **7. Permits and Approvals**

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At this time, provincial noise or vibration permits or approvals are not anticipated to be required. This will be confirmed as project planning progresses.

A construction vibration control form is typically required to accompany a building permit as per City of Toronto By-law 514-2008. This will be confirmed as project planning progresses and prior to implementation of the Corktown Station early works.

Should a building permit be required, Metrolinx will consult with the City of Toronto.

Metrolinx as a Crown agency of the Province of Ontario is exempt from certain municipal processes and requirements. In these circumstances, Metrolinx will engage with the City of Toronto to incorporate municipal requirements as a best practice, where practical, and may obtain associated permits and approvals.

## **8. References**

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AECOM, 2020:

Ontario Line Final Environmental Conditions Report. Prepared for Metrolinx.

City of Toronto, 2019:

By-law 878-2019 (Noise) – Municipal Code 591, June 2019.

City of Toronto, 2008:

By-law 514-2008 (Construction Vibration) – Municipal Code 363.

International Organization for Standardization, 1996:

ISO 9613-2: Acoustics - Attenuation of Sound during Propagation Outdoors Part 2: General Method of Calculation

Ministry of the Environment and Energy (MOEE) and GO Transit, 1994:

MOEE/Go Transit Noise and Vibration Protocol.

Ontario Ministry of the Environment, 1978:

Publication NPC-115: Construction Equipment.

Ontario Ministry of the Environment, 1978:

Publication NPC-118: Motorized Conveyances.

Ontario Ministry of the Environment, 1978:

Publication NPC-119: Blasting.

Ontario Ministry of the Environment, 1983:

Publication NPC-207: Impulse Vibration in Residential Buildings.

Ontario Ministry of the Environment, 2013:

Publication NPC-300: Stationary and Transportation Sources – Approval and Planning

United States Federal Highway Administration, 2006:

Roadway Construction Noise Model.

United States Federal Transit Administration, 2018:

Transit Noise and Vibration Impact Assessment Manual, September

**AECOM**

# Appendix A

**Terminology**

## Appendix A. Terminology

Term	Definition
<b>Sound</b>	Pressure wave travelling through a medium, such as air.
<b>Noise</b>	Unwanted sound.
<b>Acoustics</b>	The science of sound propagation and transmission.
<b>Vibration</b>	Oscillation of a parameter that defines the motion of a mechanical system.
<b>Decibel, dB</b>	A logarithmic ratio, not strictly a unit, used to describe sound levels. For sound pressure, the reference level is 20 micro pascals (threshold of hearing).
<b>Frequency</b>	The rate at which an event is repeated. Measured in Hertz (Hz), where 1 Hz = 1 oscillation/sec. Normal human hearing extends over a range of frequencies from about 20 Hz to about 20 kHz.
<b>Octave Band</b>	A band of frequencies where the upper limiting frequency is twice the lower limiting frequency. Octave bands are identified by their centre-frequencies. The octave bands standardized for acoustic measurements include those centred at 31.5, 63, 125, 250, 500, 1000, 2000, 4000, and 8000 Hz.
<b>A-Weighting Network, dBA</b>	A frequency weighting network intended to represent the variation in the ear's ability to hear different frequencies. Overall sound levels calculated or measured using the A-weighting network are indicated by dBA rather than dB.
<b>Sound Pressure Level (SPL, <math>L_p</math>)</b>	A measurement of instantaneous sound pressure and equal to 10 times the logarithm (base 10) of the ratio of the instantaneous sound pressure of a sound divided by the reference sound pressure of 20 $\mu$ Pa (0 dB). Reported and measured in decibels (dB or dBA).
<b><math>L_{eq}</math> - "Equivalent sound level"</b>	Value of a constant sound pressure level which would result in the same total sound energy as would the measured time-varying sound pressure level over equivalent time duration. The $L_{eq, 1hr}$ , for example, describes the equivalent continuous sound level over a 1-hour period.
<b>Peak Particle Velocity (PPV)</b>	The peak signal value of an oscillating vibration velocity waveform. Can be expressed in mm/s.
<b>Root Mean Square Velocity (RMSV)</b>	The square root of the mean-square value of an oscillating vibration velocity waveform, where the mean-square value is obtained by squaring the value of amplitudes at each instant in time and then averaging these values over the sample time.
<b>Vibration Decibel, VdB</b>	A logarithmic ratio, not strictly a unit, used to describe felt vibration.

# Appendix B

## Example Calculation

PROJECT OLEW - (untitled)

Receiver  
 Name: (untitled)  
 ID: 393\_KingE  
 X: 632009.30 m  
 Y: 4834585.09 m  
 Z: 89.77 m

Area Source, ISO 9613, Name: "", ID: "I00!_service_trks"																				
Nr.	X (m)	Y (m)	Z (m)	Refl.	DEN	Freq. (Hz)	Lw dB(A)	l/a dB	Optime dB	K0 (dB)	Di (dB)	Adiv (dB)	Aatm (dB)	Agr (dB)	Afol (dB)	Ahous (dB)	Abar (dB)	Cmet (dB)	RL (dB)	Lr dB(A)
78	631977.95	4834551.89	81.80	0	DEN	1000	84.1	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	61.1
84	631983.39	4834548.73	81.70	0	DEN	1000	84.1	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	58.3
91	631990.80	4834550.34	81.62	0	DEN	1000	84.1	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	59.3
98	631967.71	4834547.51	81.90	0	DEN	1000	84.1	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	62.4
105	631984.15	4834560.83	81.79	0	DEN	1000	84.1	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	60.3
112	631985.24	4834567.58	81.82	0	DEN	1000	84.1	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	61.6
119	631979.03	4834558.64	81.84	0	DEN	1000	84.1	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	62.2
126	631988.73	4834559.65	81.72	0	DEN	1000	84.1	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	60.8
133	631989.81	4834566.40	81.75	0	DEN	1000	84.1	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	62.3
140	631992.76	4834555.10	81.63	0	DEN	1000	84.1	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	63.5
147	631958.56	4834549.86	82.04	0	DEN	1000	84.1	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	61.2
154	631963.34	4834557.41	82.04	0	DEN	1000	84.1	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	59.7
155	631973.58	4834561.80	81.93	0	DEN	1000	84.1	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	58.7
156	631975.98	4834565.57	81.93	0	DEN	1000	84.1	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.5
157	631982.51	4834569.16	81.87	0	DEN	1000	84.1	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	58.2
158	631945.49	4834542.69	82.16	0	DEN	1000	84.1	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	58.4
159	631930.67	4834539.48	82.33	0	DEN	1000	84.1	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	56.3
160	631983.88	4834578.21	81.92	0	DEN	1000	84.1	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	61.8
161	631981.69	4834573.97	81.92	0	DEN	1000	84.1	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	63.7
162	631975.16	4834570.38	81.98	0	DEN	1000	84.1	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	62.0
163	631970.06	4834569.60	82.04	0	DEN	1000	84.1	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	60.9
164	631960.65	4834560.41	82.10	0	DEN	1000	84.1	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	58.7
165	631957.91	4834561.92	82.14	0	DEN	1000	84.1	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	55.4
166	631967.33	4834571.12	82.09	0	DEN	1000	84.1	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	57.5
167	631951.37	4834558.34	82.20	0	DEN	1000	84.1	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	56.9
168	631941.04	4834549.65	82.27	0	DEN	1000	84.1	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	54.5
169	631927.98	4834542.48	82.39	0	DEN	1000	84.1	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	52.3
170	631982.32	4834581.75	81.97	0	DEN	1000	84.1	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	58.1
178	631978.15	4834573.91	81.97	1	DEN	1000	84.1	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	42.0
179	631968.89	4834571.34	82.07	1	DEN	1000	84.1	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	42.6
187	631978.72	4834578.50	81.99	1	DEN	1000	84.1	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	41.8
194	631984.04	4834578.20	81.92	1	DEN	1000	84.1	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	41.5
203	631919.11	4834535.21	82.45	1	DEN	1000	84.1	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	41.2
210	631961.87	4834553.77	82.03	1	DEN	1000	84.1	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	56.1
211	631969.97	4834548.75	81.88	1	DEN	1000	84.1	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	52.4
218	631982.29	4834550.44	81.73	1	DEN	1000	84.1	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	52.4
224	631949.56	4834552.08	82.18	1	DEN	1000	84.1	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	55.8
231	631939.18	4834544.53	82.26	1	DEN	1000	84.1	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	54.6
238	631973.87	4834566.14	81.96	1	DEN	1000	84.1	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	54.8
245	631974.52	4834573.89	82.01	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	53.2
252	631979.71	4834577.66	81.98	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	53.7
263	631965.12	4834563.41	82.06	1	DEN	1000	84.1	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	57.5
269	631983.59	4834565.94	81.83	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	51.5
282	631978.41	4834562.16	81.87	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	51.1
283	631985.22	4834570.76	81.85	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	52.2
284	631982.46	4834574.21	81.91	1	DEN	1000	84.1	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	49.9
285	631984.09	4834579.03	81.93	1	DEN	1000	84.1	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	50.7
292	631982.94	4834558.19	81.78	1	DEN	1000	84.1	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	53.4
299	631989.10	4834559.04	81.71	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	50.3
305	631991.04	4834553.18	81.64	1	DEN	1000	84.1	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	49.4
312	631945.86	4834541.37	82.14	1	DEN	1000	84.1	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	49.6
319	631964.11	4834543.37	81.92	1	DEN	1000	84.1	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	47.0
326	631970.72	4834545.29	81.85	1	DEN	1000	84.1	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	44.2

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_trks"																				
Nr.	X	Y	Z	Ref.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	(dB(A))						
333	631983.04	4834546.97	81.70	1	DEN	1000	84.1	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	44.2
341	631932.65	4834537.53	82.29	1	DEN	1000	84.1	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	51.9
342	631992.57	4834561.11	81.68	1	DEN	1000	84.1	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	40.3
356	631993.93	4834555.13	81.61	1	DEN	1000	84.1	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	39.4
368	631991.31	4834563.98	81.72	1	DEN	1000	84.1	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	43.7
375	631989.66	4834569.90	81.78	1	DEN	1000	84.1	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	44.7
382	631988.10	4834572.71	81.83	1	DEN	1000	84.1	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	42.2
390	631986.16	4834578.57	81.90	1	DEN	1000	84.1	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	43.4
397	631996.65	4834552.57	81.56	1	DEN	1000	84.1	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	45.0
404	631994.80	4834555.32	81.60	1	DEN	1000	84.1	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	42.4
410	631993.45	4834561.30	81.67	1	DEN	1000	84.1	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	43.3
417	631978.85	4834575.90	81.97	1	DEN	1000	84.1	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	35.7
424	631971.11	4834573.45	82.06	1	DEN	1000	84.1	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	35.8
431	631981.65	4834579.53	81.96	1	DEN	1000	84.1	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	38.7
438	631971.59	4834572.13	82.04	1	DEN	1000	84.1	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	20.0
445	631979.36	4834574.52	81.96	1	DEN	1000	84.1	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	19.6
446	631967.57	4834570.83	82.08	1	DEN	1000	84.1	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	23.2
453	631983.28	4834575.82	81.91	1	DEN	1000	84.1	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	22.8
461	631979.39	4834574.66	81.96	1	DEN	1000	84.1	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	20.0
469	631971.66	4834572.21	82.04	1	DEN	1000	84.1	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	20.3
476	631995.34	4834549.25	81.55	1	DEN	1000	84.1	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	25.2
483	631991.61	4834548.50	81.59	1	DEN	1000	84.1	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	22.3
491	631984.25	4834546.80	81.68	1	DEN	1000	84.1	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	22.7
503	631984.20	4834546.90	81.68	1	DEN	1000	84.1	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	25.7
510	631969.43	4834543.59	81.85	1	DEN	1000	84.1	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	26.4
517	631969.40	4834543.66	81.85	1	DEN	1000	84.1	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	23.4
524	631984.17	4834546.97	81.68	1	DEN	1000	84.1	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	22.7
530	631961.99	4834542.06	81.94	1	DEN	1000	84.1	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	26.8
538	631947.21	4834538.78	82.11	1	DEN	1000	84.1	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	27.6
546	631932.40	4834535.57	82.28	1	DEN	1000	84.1	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	28.5
553	631995.14	4834549.94	81.56	1	DEN	1000	84.1	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	31.8
560	631991.42	4834549.40	81.60	1	DEN	1000	84.1	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	28.9
568	631984.37	4834547.44	81.68	1	DEN	1000	84.1	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	29.3
575	631984.17	4834547.89	81.69	1	DEN	1000	84.1	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	32.3
576	631969.89	4834544.41	81.85	1	DEN	1000	84.1	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	33.0
583	631969.74	4834544.74	81.85	1	DEN	1000	84.1	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	30.0
590	631984.03	4834548.22	81.69	1	DEN	1000	84.1	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	29.3
591	631962.50	4834543.23	81.94	1	DEN	1000	84.1	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	33.4
592	631948.16	4834539.86	82.10	1	DEN	1000	84.1	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	34.2
599	631933.67	4834536.83	82.27	1	DEN	1000	84.1	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	35.1
600	631933.46	4834536.38	82.27	1	DEN	1000	84.1	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	33.2
601	631947.95	4834539.41	82.10	1	DEN	1000	84.1	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	32.3
608	631962.28	4834542.33	81.93	1	DEN	1000	84.1	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	31.5
615	631969.83	4834544.07	81.85	1	DEN	1000	84.1	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	28.1
622	631984.32	4834547.10	81.68	1	DEN	1000	84.1	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	27.4
630	631925.61	4834534.41	82.36	1	DEN	1000	84.1	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	39.7
637	631977.93	4834542.09	81.67	0	DEN	1000	84.1	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	59.8
638	631984.55	4834541.88	81.55	0	DEN	1000	84.1	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	57.4
645	631990.96	4834546.56	81.56	0	DEN	1000	84.1	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	58.7
652	631970.01	4834533.80	81.59	0	DEN	1000	84.1	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	60.5
659	631958.68	4834528.06	81.64	0	DEN	1000	84.1	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	58.4
666	631942.83	4834511.49	81.49	0	DEN	1000	84.1	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	55.2
673	631932.07	4834515.94	81.79	0	DEN	1000	84.1	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	52.2
680	631945.46	4834527.46	81.85	0	DEN	1000	84.1	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	54.4
687	631926.73	4834505.95	81.62	0	DEN	1000	84.1	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	54.0
694	631957.88	4834534.46	81.82	0	DEN	1000	84.1	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	58.1
695	631948.05	4834525.76	81.76	0	DEN	1000	84.1	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	52.9
696	631936.02	4834510.01	81.57	0	DEN	1000	84.1	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	50.4
697	631928.79	4834526.11	82.10	0	DEN	1000	84.1	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	61.5
698	631953.80	4834533.58	81.86	1	DEN	1000	84.1	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	56.4
699	631969.01	4834533.59	81.60	1	DEN	1000	84.1	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	53.4
706	631976.44	4834541.77	81.68	1	DEN	1000	84.1	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	51.2
713	631984.05	4834541.77	81.55	1	DEN	1000	84.1	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	48.1

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_trks"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
714	631990.46	4834546.45	81.56	1	DEN	1000	84.1	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	48.4
715	631938.94	4834517.22	81.70	1	DEN	1000	84.1	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	57.6
722	631923.10	4834519.24	82.02	1	DEN	1000	84.1	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	55.6
729	631915.53	4834526.77	82.34	1	DEN	1000	84.1	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	43.5
737	631930.95	4834515.49	81.79	1	DEN	1000	84.1	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	55.9
744	631950.20	4834529.51	81.82	1	DEN	1000	84.1	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	48.6
751	631933.41	4834532.45	82.18	1	DEN	1000	84.1	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	49.5
758	631965.02	4834532.72	81.65	1	DEN	1000	84.1	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	47.8
759	631970.44	4834540.47	81.75	1	DEN	1000	84.1	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	44.4
766	631985.26	4834543.68	81.58	1	DEN	1000	84.1	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	43.7

Area Source, ISO 9613, Name: "", ID: "I00!_service_Conc_Saw"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
773	631977.95	4834551.89	80.40	0	DEN	1000	79.3	18.6	0.0	3.0	0.0	44.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	56.3
779	631983.39	4834548.73	80.30	0	DEN	1000	79.3	15.6	0.0	3.0	0.0	44.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.5
791	631990.80	4834550.34	80.22	0	DEN	1000	79.3	15.6	0.0	3.0	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	54.5
792	631967.71	4834547.51	80.50	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	46.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	57.2
799	631984.15	4834560.83	80.39	0	DEN	1000	79.3	15.6	0.0	2.9	0.0	42.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.5
806	631985.24	4834567.58	80.42	0	DEN	1000	79.3	15.6	0.0	2.9	0.0	40.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.8
819	631979.03	4834558.64	80.44	0	DEN	1000	79.3	18.6	0.0	3.0	0.0	43.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	57.4
820	631988.73	4834559.65	80.32	0	DEN	1000	79.3	15.6	0.0	2.9	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.1
834	631989.81	4834566.40	80.35	0	DEN	1000	79.3	15.6	0.0	2.9	0.0	40.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	57.6
841	631992.76	4834555.10	80.23	0	DEN	1000	79.3	18.6	0.0	2.9	0.0	42.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	58.7
848	631958.56	4834549.86	80.64	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	46.9	0.2	0.8	0.0	0.0	0.0	0.0	0.0	55.9
849	631963.34	4834557.41	80.64	0	DEN	1000	79.3	18.6	0.0	3.0	0.0	45.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	54.8
857	631973.58	4834561.80	80.53	0	DEN	1000	79.3	15.6	0.0	3.0	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.9
865	631975.98	4834565.57	80.53	0	DEN	1000	79.3	12.6	0.0	3.0	0.0	43.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.7
872	631982.51	4834569.16	80.47	0	DEN	1000	79.3	12.6	0.0	2.9	0.0	41.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	53.4
873	631945.49	4834542.69	80.76	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	48.7	0.3	1.6	0.0	0.0	0.0	0.0	0.0	53.2
880	631930.67	4834539.48	80.93	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	50.2	0.3	2.2	0.0	0.0	0.0	0.0	0.0	51.2
881	631983.88	4834578.21	80.52	0	DEN	1000	79.3	14.8	0.0	2.9	0.0	39.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	57.0
888	631981.69	4834573.97	80.52	0	DEN	1000	79.3	17.7	0.0	2.9	0.0	40.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	59.0
895	631975.16	4834570.38	80.58	0	DEN	1000	79.3	17.7	0.0	3.0	0.0	42.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	57.2
980	631970.06	4834569.60	80.64	0	DEN	1000	79.3	17.7	0.0	3.0	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	56.1
987	631960.65	4834560.41	80.70	0	DEN	1000	79.3	17.7	0.0	3.0	0.0	45.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	53.7
988	631957.91	4834561.92	80.74	0	DEN	1000	79.3	14.7	0.0	3.0	0.0	46.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	50.3
997	631967.33	4834571.12	80.69	0	DEN	1000	79.3	14.7	0.0	3.0	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.7
998	631951.37	4834558.34	80.80	0	DEN	1000	79.3	17.7	0.0	3.0	0.0	47.2	0.2	0.9	0.0	0.0	0.0	0.0	0.0	51.7
999	631941.04	4834549.65	80.87	0	DEN	1000	79.3	17.7	0.0	3.0	0.0	48.8	0.3	1.7	0.0	0.0	0.0	0.0	0.0	49.3
1013	631927.98	4834542.48	80.99	0	DEN	1000	79.3	17.7	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	0.0	47.2
1018	631982.32	4834581.75	80.57	0	DEN	1000	79.3	11.3	0.0	2.9	0.0	40.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	53.3
1020	631978.15	4834573.91	80.57	1	DEN	1000	79.3	15.7	0.0	3.0	0.0	55.7	0.6	3.6	0.0	0.0	0.0	0.0	1.0	37.0
1022	631968.89	4834571.34	80.67	1	DEN	1000	79.3	15.7	0.0	3.0	0.0	55.2	0.6	3.5	0.0	0.0	0.0	0.0	1.0	37.6
1045	631978.72	4834578.50	80.59	1	DEN	1000	79.3	15.7	0.0	3.0	0.0	55.8	0.6	3.6	0.0	0.0	0.0	0.0	1.0	36.9
1048	631984.04	4834578.20	80.52	1	DEN	1000	79.3	15.7	0.0	3.0	0.0	56.1	0.7	3.7	0.0	0.0	0.0	0.0	1.0	36.6
1052	631919.11	4834535.21	81.05	1	DEN	1000	79.3	10.5	0.0	3.0	0.0	52.3	0.4	2.9	0.0	0.0	0.0	0.0	1.0	36.2
1054	631961.87	4834553.77	80.63	1	DEN	1000	79.3	22.3	0.0	3.0	0.0	50.0	0.3	2.3	0.0	0.0	0.0	0.0	1.0	51.0
1058	631969.97	4834548.75	80.48	1	DEN	1000	79.3	19.3	0.0	3.0	0.0	50.5	0.3	2.5	0.0	0.0	0.0	0.0	1.0	47.3
1083	631982.29	4834550.44	80.33	1	DEN	1000	79.3	19.3	0.0	3.0	0.0	50.5	0.3	2.5	0.0	0.0	0.0	0.0	1.0	47.3
1099	631949.56	4834552.08	80.78	1	DEN	1000	79.3	22.3	0.0	3.0	0.0	50.3	0.3	2.3	0.0	0.0	0.0	0.0	1.0	50.7
1103	631939.18	4834544.53	80.86	1	DEN	1000	79.3	22.3	0.0	3.0	0.0	51.1	0.4	2.6	0.0	0.0	0.0	0.0	1.0	49.5
1107	631973.87	4834566.14	80.56	1	DEN	1000	79.3	19.3	0.0	3.0	0.0	48.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	49.7
1111	631974.52	4834573.89	80.61	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	47.9	0.3	1.5	0.0	0.0	0.0	0.0	1.0	47.9
1114	631979.71	4834577.66	80.58	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	47.5	0.2	1.4	0.0	0.0	0.0	0.0	1.0	48.4
1117	631965.12	4834563.41	80.66	1	DEN	1000	79.3	22.3	0.0	3.0	0.0	49.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	52.3
1130	631983.59	4834565.94	80.43	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	49.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	46.3
1133	631978.41	4834562.16	80.47	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	49.2	0.3	2.1	0.0	0.0	0.0	0.0	1.0	45.9
1150	631985.22	4834570.76	80.45	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	48.5	0.3	1.8	0.0	0.0	0.0	0.0	1.0	47.0
1156	631982.46	4834574.21	80.51	1	DEN	1000	79.3	13.3	0.0	3.0	0.0	48.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	44.7
1159	631984.09	4834579.03	80.53	1	DEN	1000	79.3	13.3	0.0	3.0	0.0	47.5	0.2	1.4	0.0	0.0	0.0	0.0	1.0	45.5
1176	631982.94	4834558.19	80.38	1	DEN	1000	79.3	19.3	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	48.3
1179	631989.10	4834559.04	80.31	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	49.8	0.3	2.3	0.0	0.0	0.0	0.0	1.0	45.2
1183	631991.04	4834553.18	80.24	1	DEN	1000	79.3	16.3	0.0	3.0	0.0	50.4	0.3	2.5	0.0	0.0	0.0	0.0	1.0	44.3

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_Conc_Saw"																				
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)						
1194	631945.86	4834541.37	80.74	1	DEN	1000	79.3	17.5	0.0	3.0	0.0	51.3	0.4	2.6	0.0	0.0	0.0	0.0	1.0	44.5
1204	631964.11	4834543.37	80.52	1	DEN	1000	79.3	14.5	0.0	3.0	0.0	50.9	0.4	2.6	0.0	0.0	0.0	0.0	1.0	41.9
1213	631970.72	4834545.29	80.45	1	DEN	1000	79.3	11.5	0.0	3.0	0.0	50.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	39.1
1217	631983.04	4834546.97	80.30	1	DEN	1000	79.3	11.5	0.0	3.0	0.0	50.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	39.1
1220	631932.65	4834537.53	80.89	1	DEN	1000	79.3	20.5	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	46.8
1224	631992.57	4834561.11	80.28	1	DEN	1000	79.3	6.2	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	35.1
1232	631993.93	4834555.13	80.21	1	DEN	1000	79.3	6.2	0.0	3.0	0.0	50.3	0.3	2.5	0.0	0.0	0.0	0.0	1.0	34.3
1234	631991.31	4834563.98	80.32	1	DEN	1000	79.3	9.2	0.0	3.0	0.0	49.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	38.6
1236	631989.66	4834569.90	80.38	1	DEN	1000	79.3	9.2	0.0	3.0	0.0	48.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	39.5
1244	631988.10	4834572.71	80.43	1	DEN	1000	79.3	6.2	0.0	3.0	0.0	48.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	37.0
1246	631986.16	4834578.57	80.50	1	DEN	1000	79.3	6.2	0.0	3.0	0.0	47.6	0.2	1.4	0.0	0.0	0.0	0.0	1.0	38.1
1255	631996.65	4834552.57	80.16	1	DEN	1000	79.3	12.2	0.0	3.0	0.0	50.6	0.3	2.6	0.0	0.0	0.0	0.0	1.0	39.9
1258	631994.80	4834555.32	80.20	1	DEN	1000	79.3	9.2	0.0	3.0	0.0	50.3	0.3	2.5	0.0	0.0	0.0	0.0	1.0	37.3
1260	631993.45	4834561.30	80.27	1	DEN	1000	79.3	9.2	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	38.1
1269	631978.85	4834575.90	80.57	1	DEN	1000	79.3	13.8	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	2.1	0.0	1.0	29.9
1276	631971.11	4834573.45	80.66	1	DEN	1000	79.3	13.8	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	2.8	0.0	1.0	29.7
1280	631981.65	4834579.53	80.56	1	DEN	1000	79.3	16.8	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	1.8	0.0	1.0	33.1
1282	631971.59	4834572.13	80.64	1	DEN	1000	79.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	0.9	0.0	1.0	15.2
1283	631979.36	4834574.52	80.56	1	DEN	1000	79.3	-2.6	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	0.8	0.0	1.0	14.8
1287	631967.57	4834570.83	80.68	1	DEN	1000	79.3	0.4	0.0	3.0	0.0	57.7	0.8	3.9	0.0	0.0	0.9	0.0	1.0	18.3
1301	631983.28	4834575.82	80.51	1	DEN	1000	79.3	0.7	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.8	0.0	1.0	18.0
1310	631979.39	4834574.66	80.56	1	DEN	1000	79.3	-2.3	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	0.8	0.0	1.0	15.2
1326	631971.66	4834572.21	80.64	1	DEN	1000	79.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	0.9	0.0	1.0	15.5
1335	631995.34	4834549.25	80.15	1	DEN	1000	79.3	2.4	0.0	3.0	0.0	58.6	0.9	4.0	0.0	0.0	0.0	0.0	1.0	20.3
1339	631991.61	4834548.50	80.19	1	DEN	1000	79.3	-0.6	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.0	0.0	1.0	17.4
1349	631984.25	4834546.80	80.28	1	DEN	1000	79.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	17.8
1368	631984.20	4834546.90	80.28	1	DEN	1000	79.3	2.4	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	20.8
1370	631969.43	4834543.59	80.45	1	DEN	1000	79.3	2.4	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	21.5
1382	631969.40	4834543.66	80.45	1	DEN	1000	79.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	18.5
1384	631984.17	4834546.97	80.28	1	DEN	1000	79.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	17.8
1394	631961.99	4834542.06	80.54	1	DEN	1000	79.3	2.4	0.0	3.0	0.0	57.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	21.9
1405	631947.21	4834538.78	80.71	1	DEN	1000	79.3	2.4	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	22.7
1422	631932.40	4834535.57	80.88	1	DEN	1000	79.3	2.4	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	23.6
1427	631995.14	4834549.94	80.16	1	DEN	1000	79.3	9.0	0.0	3.0	0.0	58.6	0.9	4.0	0.0	0.0	0.0	0.0	1.0	26.9
1432	631991.42	4834549.40	80.20	1	DEN	1000	79.3	6.0	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.0	0.0	1.0	24.0
1438	631984.37	4834547.44	80.28	1	DEN	1000	79.3	6.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	24.4
1440	631984.17	4834547.89	80.29	1	DEN	1000	79.3	9.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	27.4
1453	631969.89	4834544.41	80.45	1	DEN	1000	79.3	9.0	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	28.1
1455	631969.74	4834544.74	80.45	1	DEN	1000	79.3	6.0	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	25.1
1456	631984.03	4834548.22	80.29	1	DEN	1000	79.3	6.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	24.4
1458	631962.50	4834543.23	80.54	1	DEN	1000	79.3	9.0	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	28.5
1475	631948.16	4834539.86	80.70	1	DEN	1000	79.3	9.0	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	29.3
1478	631933.67	4834536.83	80.87	1	DEN	1000	79.3	9.0	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	30.1
1481	631933.46	4834536.38	80.87	1	DEN	1000	79.3	7.2	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	28.3
1484	631947.95	4834539.41	80.70	1	DEN	1000	79.3	7.2	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	27.4
1486	631962.28	4834542.33	80.53	1	DEN	1000	79.3	7.2	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	26.6
1487	631969.83	4834544.07	80.45	1	DEN	1000	79.3	4.1	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	23.2
1532	631984.32	4834547.10	80.28	1	DEN	1000	79.3	4.1	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	22.5
1533	631925.61	4834534.41	80.96	1	DEN	1000	79.3	13.2	0.0	3.0	0.0	55.5	0.6	3.6	0.0	0.0	0.0	0.0	1.0	34.8
3488	631977.93	4834542.09	80.27	0	DEN	1000	79.3	18.6	0.0	3.0	0.0	45.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	54.9
3492	631984.55	4834541.88	80.15	0	DEN	1000	79.3	15.6	0.0	3.0	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.6
3496	631990.96	4834546.56	80.16	0	DEN	1000	79.3	15.6	0.0	3.0	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.9
3502	631970.01	4834533.80	80.19	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	47.3	0.2	1.1	0.0	0.0	0.0	0.0	0.0	55.3
3508	631958.68	4834528.06	80.24	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	48.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	53.2
3514	631942.83	4834511.49	80.09	0	DEN	1000	79.3	21.6	0.0	3.0	0.0	51.0	0.4	2.5	0.0	0.0	0.0	0.0	0.0	50.1
3520	631932.07	4834515.94	80.39	0	DEN	1000	79.3	19.1	0.0	3.0	0.0	51.3	0.4	2.6	0.0	0.0	0.0	0.0	0.0	47.1
3525	631945.46	4834527.46	80.45	0	DEN	1000	79.3	19.1	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	0.0	49.3
3533	631926.73	4834505.95	80.22	0	DEN	1000	79.3	22.1	0.0	3.0	0.0	52.2	0.4	2.8	0.0	0.0	0.0	0.0	0.0	49.0
3538	631957.88	4834534.46	80.42	0	DEN	1000	79.3	20.5	0.0	3.0	0.0	48.2	0.3	1.5	0.0	0.0	0.0	0.0	0.0	52.9
3545	631948.05	4834525.76	80.36	0	DEN	1000	79.3	17.5	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	0.0	47.8
3551	631936.02	4834510.01	80.17	0	DEN	1000	79.3	17.5	0.0	3.0	0.0	51.5	0.4	2.6	0.0	0.0	0.0	0.0	0.0	45.3
3555	631928.79	4834526.11	80.70	0	DEN	1000	79.3	27.9	0.0	3.0	0.0	51.0	0.4	2.5	0.0	0.0	0.0	0.0	0.0	56.4
3559	631953.80	4834533.58	80.46	1	DEN	1000	79.3	25.1	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	51.4

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_Conc_Saw"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
3565	631969.01	4834533.59	80.20	1	DEN	1000	79.3	22.0	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	48.3
3571	631976.44	4834541.77	80.28	1	DEN	1000	79.3	19.0	0.0	3.0	0.0	51.1	0.4	2.7	0.0	0.0	0.0	0.0	1.0	46.2
3585	631984.05	4834541.77	80.15	1	DEN	1000	79.3	16.0	0.0	3.0	0.0	51.2	0.4	2.7	0.0	0.0	0.0	0.0	1.0	43.0
3590	631990.46	4834546.45	80.16	1	DEN	1000	79.3	16.0	0.0	3.0	0.0	51.0	0.4	2.7	0.0	0.0	0.0	0.0	1.0	43.3
3596	631938.94	4834517.22	80.30	1	DEN	1000	79.3	28.1	0.0	3.0	0.0	53.1	0.5	3.1	0.0	0.0	0.0	0.0	1.0	52.6
3602	631923.10	4834519.24	80.62	1	DEN	1000	79.3	26.3	0.0	3.0	0.0	53.3	0.5	3.2	0.0	0.0	0.0	0.0	1.0	50.6
3607	631915.53	4834526.77	80.94	1	DEN	1000	79.3	13.7	0.0	3.0	0.0	53.0	0.5	3.1	0.0	0.0	0.0	0.0	1.0	38.5
3614	631930.95	4834515.49	80.39	1	DEN	1000	79.3	29.4	0.0	3.0	0.0	55.6	0.6	3.6	0.0	0.0	0.0	0.0	1.0	50.9
3620	631950.20	4834529.51	80.42	1	DEN	1000	79.3	23.4	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	43.6
3626	631933.41	4834532.45	80.78	1	DEN	1000	79.3	23.4	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	44.6
3631	631965.02	4834532.72	80.25	1	DEN	1000	79.3	23.4	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	42.8
3635	631970.44	4834540.47	80.35	1	DEN	1000	79.3	20.4	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	39.5
3644	631985.26	4834543.68	80.18	1	DEN	1000	79.3	20.4	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	38.8

Area Source, ISO 9613, Name: "", ID: "100!_service_JHamm"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1540	631977.95	4834551.89	80.40	0	DEN	1000	78.3	18.6	0.0	3.0	0.0	44.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	55.3
1545	631983.39	4834548.73	80.30	0	DEN	1000	78.3	15.6	0.0	3.0	0.0	44.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.5
1549	631990.80	4834550.34	80.22	0	DEN	1000	78.3	15.6	0.0	3.0	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	53.5
1568	631967.71	4834547.51	80.50	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	46.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	56.2
1583	631984.15	4834560.83	80.39	0	DEN	1000	78.3	15.6	0.0	2.9	0.0	42.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	54.5
1586	631985.24	4834567.58	80.42	0	DEN	1000	78.3	15.6	0.0	2.9	0.0	40.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.8
1591	631979.03	4834558.64	80.44	0	DEN	1000	78.3	18.6	0.0	3.0	0.0	43.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	56.4
1594	631988.73	4834559.65	80.32	0	DEN	1000	78.3	15.6	0.0	2.9	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.1
1597	631989.81	4834566.40	80.35	0	DEN	1000	78.3	15.6	0.0	2.9	0.0	40.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.6
1598	631992.76	4834555.10	80.23	0	DEN	1000	78.3	18.6	0.0	2.9	0.0	42.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	57.7
1599	631958.56	4834549.86	80.64	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	46.9	0.2	0.8	0.0	0.0	0.0	0.0	0.0	54.9
1600	631963.34	4834557.41	80.64	0	DEN	1000	78.3	18.6	0.0	3.0	0.0	45.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	53.8
1602	631973.58	4834561.80	80.53	0	DEN	1000	78.3	15.6	0.0	3.0	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.9
1606	631975.98	4834565.57	80.53	0	DEN	1000	78.3	12.6	0.0	3.0	0.0	43.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.7
1609	631982.51	4834569.16	80.47	0	DEN	1000	78.3	12.6	0.0	2.9	0.0	41.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.4
1643	631945.49	4834542.69	80.76	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	48.7	0.3	1.6	0.0	0.0	0.0	0.0	0.0	52.2
1646	631930.67	4834539.48	80.93	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	50.2	0.3	2.2	0.0	0.0	0.0	0.0	0.0	50.2
1649	631983.88	4834578.21	80.52	0	DEN	1000	78.3	14.8	0.0	2.9	0.0	39.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.0
1651	631981.69	4834573.97	80.52	0	DEN	1000	78.3	17.7	0.0	2.9	0.0	40.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	58.0
1652	631975.16	4834570.38	80.58	0	DEN	1000	78.3	17.7	0.0	3.0	0.0	42.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.2
1653	631970.06	4834569.60	80.64	0	DEN	1000	78.3	17.7	0.0	3.0	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	55.1
1655	631960.65	4834560.41	80.70	0	DEN	1000	78.3	17.7	0.0	3.0	0.0	45.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	52.7
1667	631957.91	4834561.92	80.74	0	DEN	1000	78.3	14.7	0.0	3.0	0.0	46.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	49.3
1670	631967.33	4834571.12	80.69	0	DEN	1000	78.3	14.7	0.0	3.0	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.7
1673	631951.37	4834558.34	80.80	0	DEN	1000	78.3	17.7	0.0	3.0	0.0	47.2	0.2	0.9	0.0	0.0	0.0	0.0	0.0	50.7
1677	631941.04	4834549.65	80.87	0	DEN	1000	78.3	17.7	0.0	3.0	0.0	48.8	0.3	1.7	0.0	0.0	0.0	0.0	0.0	48.3
1699	631927.98	4834542.48	80.99	0	DEN	1000	78.3	17.7	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	0.0	46.2
1700	631982.32	4834581.75	80.57	0	DEN	1000	78.3	11.3	0.0	2.9	0.0	40.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.3
1701	631978.15	4834573.91	80.57	1	DEN	1000	78.3	15.7	0.0	3.0	0.0	55.7	0.6	3.6	0.0	0.0	0.0	0.0	1.0	36.0
1712	631968.89	4834571.34	80.67	1	DEN	1000	78.3	15.7	0.0	3.0	0.0	55.2	0.6	3.5	0.0	0.0	0.0	0.0	1.0	36.6
1714	631978.72	4834578.50	80.59	1	DEN	1000	78.3	15.7	0.0	3.0	0.0	55.8	0.6	3.6	0.0	0.0	0.0	0.0	1.0	35.9
1715	631984.04	4834578.20	80.52	1	DEN	1000	78.3	15.7	0.0	3.0	0.0	56.1	0.7	3.7	0.0	0.0	0.0	0.0	1.0	35.6
1724	631919.11	4834535.21	81.05	1	DEN	1000	78.3	10.5	0.0	3.0	0.0	52.3	0.4	2.9	0.0	0.0	0.0	0.0	1.0	35.2
1728	631961.87	4834553.77	80.63	1	DEN	1000	78.3	22.3	0.0	3.0	0.0	50.0	0.3	2.3	0.0	0.0	0.0	0.0	1.0	50.0
1730	631969.97	4834548.75	80.48	1	DEN	1000	78.3	19.3	0.0	3.0	0.0	50.5	0.3	2.5	0.0	0.0	0.0	0.0	1.0	46.3
1733	631982.29	4834550.44	80.33	1	DEN	1000	78.3	19.3	0.0	3.0	0.0	50.5	0.3	2.5	0.0	0.0	0.0	0.0	1.0	46.3
1737	631949.56	4834552.08	80.78	1	DEN	1000	78.3	22.3	0.0	3.0	0.0	50.3	0.3	2.3	0.0	0.0	0.0	0.0	1.0	49.7
1748	631939.18	4834544.53	80.86	1	DEN	1000	78.3	22.3	0.0	3.0	0.0	51.1	0.4	2.6	0.0	0.0	0.0	0.0	1.0	48.5
1751	631973.87	4834566.14	80.56	1	DEN	1000	78.3	19.3	0.0	3.0	0.0	48.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	48.7
1766	631974.52	4834573.89	80.61	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	47.9	0.3	1.5	0.0	0.0	0.0	0.0	1.0	46.9
1775	631979.71	4834577.66	80.58	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	47.5	0.2	1.4	0.0	0.0	0.0	0.0	1.0	47.4
1778	631965.12	4834563.41	80.66	1	DEN	1000	78.3	22.3	0.0	3.0	0.0	49.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	51.3
1780	631983.59	4834565.94	80.43	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	49.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	45.3
1785	631978.41	4834562.16	80.47	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	49.2	0.3	2.1	0.0	0.0	0.0	0.0	1.0	44.9
1788	631985.22	4834570.76	80.45	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	48.5	0.3	1.8	0.0	0.0	0.0	0.0	1.0	46.0
1795	631982.46	4834574.21	80.51	1	DEN	1000	78.3	13.3	0.0	3.0	0.0	48.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	43.7
1799	631984.09	4834579.03	80.53	1	DEN	1000	78.3	13.3	0.0	3.0	0.0	47.5	0.2	1.4	0.0	0.0	0.0	0.0	1.0	44.5

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_JHamm"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahouus	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
1801	631982.94	4834558.19	80.38	1	DEN	1000	78.3	19.3	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	47.3
1804	631989.10	4834559.04	80.31	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	49.8	0.3	2.3	0.0	0.0	0.0	0.0	1.0	44.2
1810	631991.04	4834553.18	80.24	1	DEN	1000	78.3	16.3	0.0	3.0	0.0	50.4	0.3	2.5	0.0	0.0	0.0	0.0	1.0	43.3
1826	631945.86	4834541.37	80.74	1	DEN	1000	78.3	17.5	0.0	3.0	0.0	51.3	0.4	2.6	0.0	0.0	0.0	0.0	1.0	43.5
1838	631964.11	4834543.37	80.52	1	DEN	1000	78.3	14.5	0.0	3.0	0.0	50.9	0.4	2.6	0.0	0.0	0.0	0.0	1.0	40.9
1851	631970.72	4834545.29	80.45	1	DEN	1000	78.3	11.5	0.0	3.0	0.0	50.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	38.1
1861	631983.04	4834546.97	80.30	1	DEN	1000	78.3	11.5	0.0	3.0	0.0	50.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	38.1
1864	631932.65	4834537.53	80.89	1	DEN	1000	78.3	20.5	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	45.8
1866	631992.57	4834561.11	80.28	1	DEN	1000	78.3	6.2	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	34.1
1868	631993.93	4834555.13	80.21	1	DEN	1000	78.3	6.2	0.0	3.0	0.0	50.3	0.3	2.5	0.0	0.0	0.0	0.0	1.0	33.3
1870	631991.31	4834563.98	80.32	1	DEN	1000	78.3	9.2	0.0	3.0	0.0	49.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	37.6
1872	631989.66	4834569.90	80.38	1	DEN	1000	78.3	9.2	0.0	3.0	0.0	48.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	38.5
1874	631988.10	4834572.71	80.43	1	DEN	1000	78.3	6.2	0.0	3.0	0.0	48.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	36.0
1877	631986.16	4834578.57	80.50	1	DEN	1000	78.3	6.2	0.0	3.0	0.0	47.6	0.2	1.4	0.0	0.0	0.0	0.0	1.0	37.1
1880	631996.65	4834552.57	80.16	1	DEN	1000	78.3	12.2	0.0	3.0	0.0	50.6	0.3	2.6	0.0	0.0	0.0	0.0	1.0	38.9
1882	631994.80	4834555.32	80.20	1	DEN	1000	78.3	9.2	0.0	3.0	0.0	50.3	0.3	2.5	0.0	0.0	0.0	0.0	1.0	36.3
1884	631993.45	4834561.30	80.27	1	DEN	1000	78.3	9.2	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	37.1
1899	631978.85	4834575.90	80.57	1	DEN	1000	78.3	13.8	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	2.1	0.0	1.0	28.9
1904	631971.11	4834573.45	80.66	1	DEN	1000	78.3	13.8	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	2.8	0.0	1.0	28.7
1909	631981.65	4834579.53	80.56	1	DEN	1000	78.3	16.8	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	1.8	0.0	1.0	32.1
1924	631971.59	4834572.13	80.64	1	DEN	1000	78.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	0.9	0.0	1.0	14.2
1930	631979.36	4834574.52	80.56	1	DEN	1000	78.3	-2.6	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	0.8	0.0	1.0	13.8
1933	631967.57	4834570.83	80.68	1	DEN	1000	78.3	0.4	0.0	3.0	0.0	57.7	0.8	3.9	0.0	0.0	0.9	0.0	1.0	17.3
1935	631983.28	4834575.82	80.51	1	DEN	1000	78.3	0.7	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.8	0.0	1.0	17.0
1938	631979.39	4834574.66	80.56	1	DEN	1000	78.3	-2.3	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	0.8	0.0	1.0	14.2
1953	631971.66	4834572.21	80.64	1	DEN	1000	78.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	0.9	0.0	1.0	14.5
1961	631995.34	4834549.25	80.15	1	DEN	1000	78.3	2.4	0.0	3.0	0.0	58.6	0.9	4.0	0.0	0.0	0.0	0.0	1.0	19.3
1964	631991.61	4834548.50	80.19	1	DEN	1000	78.3	-0.6	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.0	0.0	1.0	16.4
1970	631984.25	4834546.80	80.28	1	DEN	1000	78.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	16.8
1972	631984.20	4834546.90	80.28	1	DEN	1000	78.3	2.4	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	19.8
1976	631969.43	4834543.59	80.45	1	DEN	1000	78.3	2.4	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	20.5
1982	631969.40	4834543.66	80.45	1	DEN	1000	78.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	17.5
1991	631984.17	4834546.97	80.28	1	DEN	1000	78.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	16.8
1995	631961.99	4834542.06	80.54	1	DEN	1000	78.3	2.4	0.0	3.0	0.0	57.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	20.9
1997	631947.21	4834538.78	80.71	1	DEN	1000	78.3	2.4	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	21.7
1999	631932.40	4834535.57	80.88	1	DEN	1000	78.3	2.4	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	22.6
2008	631995.14	4834549.94	80.16	1	DEN	1000	78.3	9.0	0.0	3.0	0.0	58.6	0.9	4.0	0.0	0.0	0.0	0.0	1.0	25.9
2012	631991.42	4834549.40	80.20	1	DEN	1000	78.3	6.0	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.0	0.0	1.0	23.0
2017	631984.37	4834547.44	80.28	1	DEN	1000	78.3	6.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	23.4
2021	631984.17	4834547.89	80.29	1	DEN	1000	78.3	9.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	26.4
2033	631969.89	4834544.41	80.45	1	DEN	1000	78.3	9.0	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	27.1
2045	631969.74	4834544.74	80.45	1	DEN	1000	78.3	6.0	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	24.1
2049	631984.03	4834548.22	80.29	1	DEN	1000	78.3	6.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	23.4
2052	631962.50	4834543.23	80.54	1	DEN	1000	78.3	9.0	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	27.5
2054	631948.16	4834539.86	80.70	1	DEN	1000	78.3	9.0	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	28.3
2056	631933.67	4834536.83	80.87	1	DEN	1000	78.3	9.0	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	29.1
2065	631933.46	4834536.38	80.87	1	DEN	1000	78.3	7.2	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	27.3
2070	631947.95	4834539.41	80.70	1	DEN	1000	78.3	7.2	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	26.4
2077	631962.28	4834542.33	80.53	1	DEN	1000	78.3	7.2	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	25.6
2080	631969.83	4834544.07	80.45	1	DEN	1000	78.3	4.1	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	22.2
2082	631984.32	4834547.10	80.28	1	DEN	1000	78.3	4.1	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	21.5
2085	631925.61	4834534.41	80.96	1	DEN	1000	78.3	13.2	0.0	3.0	0.0	55.5	0.6	3.6	0.0	0.0	0.0	0.0	1.0	33.8
3650	631977.93	4834542.09	80.27	0	DEN	1000	78.3	18.6	0.0	3.0	0.0	45.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	53.9
3655	631984.55	4834541.88	80.15	0	DEN	1000	78.3	15.6	0.0	3.0	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.6
3661	631990.96	4834546.56	80.16	0	DEN	1000	78.3	15.6	0.0	3.0	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.9
3667	631970.01	4834533.80	80.19	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	47.3	0.2	1.1	0.0	0.0	0.0	0.0	0.0	54.3
3673	631958.68	4834528.06	80.24	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	48.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	52.2
3678	631942.83	4834511.49	80.09	0	DEN	1000	78.3	21.6	0.0	3.0	0.0	51.0	0.4	2.5	0.0	0.0	0.0	0.0	0.0	49.1
3683	631932.07	4834515.94	80.39	0	DEN	1000	78.3	19.1	0.0	3.0	0.0	51.3	0.4	2.6	0.0	0.0	0.0	0.0	0.0	46.1
3691	631945.46	4834527.46	80.45	0	DEN	1000	78.3	19.1	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	0.0	48.3
3696	631926.73	4834505.95	80.22	0	DEN	1000	78.3	22.1	0.0	3.0	0.0	52.2	0.4	2.8	0.0	0.0	0.0	0.0	0.0	48.0
3701	631957.88	4834534.46	80.42	0	DEN	1000	78.3	20.5	0.0	3.0	0.0	48.2	0.3	1.5	0.0	0.0	0.0	0.0	0.0	51.9
3707	631948.05	4834525.76	80.36	0	DEN	1000	78.3	17.5	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	0.0	46.8

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_JHamm"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
3711	631936.02	4834510.01	80.17	0	DEN	1000	78.3	17.5	0.0	3.0	0.0	51.5	0.4	2.6	0.0	0.0	0.0	0.0	0.0	44.3
3717	631928.79	4834526.11	80.70	0	DEN	1000	78.3	27.9	0.0	3.0	0.0	51.0	0.4	2.5	0.0	0.0	0.0	0.0	0.0	55.4
3723	631953.80	4834533.58	80.46	1	DEN	1000	78.3	25.1	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	50.4
3728	631969.01	4834533.59	80.20	1	DEN	1000	78.3	22.0	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	47.3
3733	631976.44	4834541.77	80.28	1	DEN	1000	78.3	19.0	0.0	3.0	0.0	51.1	0.4	2.7	0.0	0.0	0.0	0.0	1.0	45.2
3739	631984.05	4834541.77	80.15	1	DEN	1000	78.3	16.0	0.0	3.0	0.0	51.2	0.4	2.7	0.0	0.0	0.0	0.0	1.0	42.0
3746	631990.46	4834546.45	80.16	1	DEN	1000	78.3	16.0	0.0	3.0	0.0	51.0	0.4	2.7	0.0	0.0	0.0	0.0	1.0	42.3
3751	631938.94	4834517.22	80.30	1	DEN	1000	78.3	28.1	0.0	3.0	0.0	53.1	0.5	3.1	0.0	0.0	0.0	0.0	1.0	51.6
3757	631923.10	4834519.24	80.62	1	DEN	1000	78.3	26.3	0.0	3.0	0.0	53.3	0.5	3.2	0.0	0.0	0.0	0.0	1.0	49.6
3764	631915.53	4834526.77	80.94	1	DEN	1000	78.3	13.7	0.0	3.0	0.0	53.0	0.5	3.1	0.0	0.0	0.0	0.0	1.0	37.5
3771	631930.95	4834515.49	80.39	1	DEN	1000	78.3	29.4	0.0	3.0	0.0	55.6	0.6	3.6	0.0	0.0	0.0	0.0	1.0	49.9
3776	631950.20	4834529.51	80.42	1	DEN	1000	78.3	23.4	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	42.6
3780	631933.41	4834532.45	80.78	1	DEN	1000	78.3	23.4	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	43.6
3786	631965.02	4834532.72	80.25	1	DEN	1000	78.3	23.4	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	41.8
3792	631970.44	4834540.47	80.35	1	DEN	1000	78.3	20.4	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	38.5
3797	631985.26	4834543.68	80.18	1	DEN	1000	78.3	20.4	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	37.8

Area Source, ISO 9613, Name: "", ID: "I00!_service_vac_ex"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2099	631977.95	4834551.89	81.80	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	54.3
2103	631983.39	4834548.73	81.70	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.5
2111	631990.80	4834550.34	81.62	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.5
2115	631967.71	4834547.51	81.90	0	DEN	1000	77.3	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	55.6
2321	631984.15	4834560.83	81.79	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	53.5
2324	631985.24	4834567.58	81.82	0	DEN	1000	77.3	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	54.8
2337	631979.03	4834558.64	81.84	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.4
2347	631988.73	4834559.65	81.72	0	DEN	1000	77.3	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	54.1
2349	631989.81	4834566.40	81.75	0	DEN	1000	77.3	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.6
2352	631992.76	4834555.10	81.63	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.7
2430	631958.56	4834549.86	82.04	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	54.5
2431	631963.34	4834557.41	82.04	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.0
2432	631973.58	4834561.80	81.93	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.9
2435	631975.98	4834565.57	81.93	0	DEN	1000	77.3	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.7
2438	631982.51	4834569.16	81.87	0	DEN	1000	77.3	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.4
2441	631945.49	4834542.69	82.16	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	51.6
2443	631930.67	4834539.48	82.33	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	49.5
2456	631983.88	4834578.21	81.92	0	DEN	1000	77.3	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.0
2458	631981.69	4834573.97	81.92	0	DEN	1000	77.3	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	57.0
2461	631975.16	4834570.38	81.98	0	DEN	1000	77.3	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.2
2463	631970.06	4834569.60	82.04	0	DEN	1000	77.3	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	54.1
2474	631960.65	4834560.41	82.10	0	DEN	1000	77.3	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.0
2483	631957.91	4834561.92	82.14	0	DEN	1000	77.3	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.7
2486	631967.33	4834571.12	82.09	0	DEN	1000	77.3	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.7
2488	631951.37	4834558.34	82.20	0	DEN	1000	77.3	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	50.2
2493	631941.04	4834549.65	82.27	0	DEN	1000	77.3	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	47.7
2502	631927.98	4834542.48	82.39	0	DEN	1000	77.3	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	45.5
2530	631982.32	4834581.75	81.97	0	DEN	1000	77.3	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.3
2533	631978.15	4834573.91	81.97	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	35.2
2538	631968.89	4834571.34	82.07	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	35.8
2564	631978.72	4834578.50	81.99	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	35.1
2567	631984.04	4834578.20	81.92	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	34.8
2586	631919.11	4834535.21	82.45	1	DEN	1000	77.3	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	34.4
2588	631961.87	4834553.77	82.03	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	49.3
2590	631969.97	4834548.75	81.88	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	45.6
2592	631982.29	4834550.44	81.73	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	45.6
2595	631949.56	4834552.08	82.18	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	49.0
2599	631939.18	4834544.53	82.26	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	47.8
2601	631973.87	4834566.14	81.96	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	48.1
2603	631974.52	4834573.89	82.01	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	46.4
2605	631979.71	4834577.66	81.98	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	46.9
2611	631965.12	4834563.41	82.06	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	50.7
2612	631983.59	4834565.94	81.83	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	44.7
2619	631978.41	4834562.16	81.87	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	44.3

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_vac_ex"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahouus	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2623	631985.22	4834570.76	81.85	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	45.4
2625	631982.46	4834574.21	81.91	1	DEN	1000	77.3	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	43.1
2628	631984.09	4834579.03	81.93	1	DEN	1000	77.3	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	43.9
2630	631982.94	4834558.19	81.78	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	46.6
2633	631989.10	4834559.04	81.71	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	43.5
2637	631991.04	4834553.18	81.64	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	42.7
2642	631945.86	4834541.37	82.14	1	DEN	1000	77.3	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	42.8
2656	631964.11	4834543.37	81.92	1	DEN	1000	77.3	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	40.2
2658	631970.72	4834545.29	81.85	1	DEN	1000	77.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	37.4
2661	631983.04	4834546.97	81.70	1	DEN	1000	77.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	37.4
2665	631932.65	4834537.53	82.29	1	DEN	1000	77.3	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	45.1
2677	631992.57	4834561.11	81.68	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	33.5
2680	631993.93	4834555.13	81.61	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	32.7
2682	631991.31	4834563.98	81.72	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	37.0
2684	631989.66	4834569.90	81.78	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	37.9
2686	631988.10	4834572.71	81.83	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	35.5
2689	631986.16	4834578.57	81.90	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	36.6
2691	631996.65	4834552.57	81.56	1	DEN	1000	77.3	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	38.3
2694	631994.80	4834555.32	81.60	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	35.7
2695	631993.45	4834561.30	81.67	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	36.5
2704	631978.85	4834575.90	81.97	1	DEN	1000	77.3	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	28.9
2712	631971.11	4834573.45	82.06	1	DEN	1000	77.3	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	29.0
2717	631981.65	4834579.53	81.96	1	DEN	1000	77.3	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	31.9
2722	631971.59	4834572.13	82.04	1	DEN	1000	77.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	13.2
2726	631979.36	4834574.52	81.96	1	DEN	1000	77.3	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	12.8
2732	631967.57	4834570.83	82.08	1	DEN	1000	77.3	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	16.4
2734	631983.28	4834575.82	81.91	1	DEN	1000	77.3	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	16.1
2740	631979.39	4834574.66	81.96	1	DEN	1000	77.3	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	13.2
2742	631971.66	4834572.21	82.04	1	DEN	1000	77.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	13.6
2763	631995.34	4834549.25	81.55	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	18.4
2774	631991.61	4834548.50	81.59	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	15.5
2777	631984.25	4834546.80	81.68	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.9
2778	631984.20	4834546.90	81.68	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	18.9
2785	631969.43	4834543.59	81.85	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	19.6
2790	631969.40	4834543.66	81.85	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	16.6
2792	631984.17	4834546.97	81.68	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.9
2804	631961.99	4834542.06	81.94	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	20.0
2806	631947.21	4834538.78	82.11	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	20.9
2808	631932.40	4834535.57	82.28	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	21.8
2826	631995.14	4834549.94	81.56	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	25.0
2834	631991.42	4834549.40	81.60	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	22.2
2846	631984.37	4834547.44	81.68	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	22.5
2856	631984.17	4834547.89	81.69	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	25.5
2858	631969.89	4834544.41	81.85	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	26.2
2860	631969.74	4834544.74	81.85	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	23.2
2863	631984.03	4834548.22	81.69	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	22.5
2867	631962.50	4834543.23	81.94	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	26.6
2880	631948.16	4834539.86	82.10	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	27.4
2890	631933.67	4834536.83	82.27	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	28.3
2894	631933.46	4834536.38	82.27	1	DEN	1000	77.3	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	26.4
2899	631947.95	4834539.41	82.10	1	DEN	1000	77.3	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	25.6
2905	631962.28	4834542.33	81.93	1	DEN	1000	77.3	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	24.8
2914	631969.83	4834544.07	81.85	1	DEN	1000	77.3	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.4
2918	631984.32	4834547.10	81.68	1	DEN	1000	77.3	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	20.6
2920	631925.61	4834534.41	82.36	1	DEN	1000	77.3	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	33.0
3803	631977.93	4834542.09	81.67	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.0
3807	631984.55	4834541.88	81.55	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.6
3813	631990.96	4834546.56	81.56	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.9
3821	631970.01	4834533.80	81.59	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	53.8
3831	631958.68	4834528.06	81.64	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	51.6
3838	631942.83	4834511.49	81.49	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	48.4
3843	631932.07	4834515.94	81.79	0	DEN	1000	77.3	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	45.4
3847	631945.46	4834527.46	81.85	0	DEN	1000	77.3	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	47.7

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!00!_service_vac_ex"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
3853	631926.73	4834505.95	81.62	0	DEN	1000	77.3	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	47.2
3860	631957.88	4834534.46	81.82	0	DEN	1000	77.3	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	51.3
3866	631948.05	4834525.76	81.76	0	DEN	1000	77.3	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	46.1
3872	631936.02	4834510.01	81.57	0	DEN	1000	77.3	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	43.6
3877	631928.79	4834526.11	82.10	0	DEN	1000	77.3	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	54.7
3908	631953.80	4834533.58	81.86	1	DEN	1000	77.3	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	49.6
3914	631969.01	4834533.59	81.60	1	DEN	1000	77.3	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	46.6
3923	631976.44	4834541.77	81.68	1	DEN	1000	77.3	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	44.4
3928	631984.05	4834541.77	81.55	1	DEN	1000	77.3	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	41.3
3934	631990.46	4834546.45	81.56	1	DEN	1000	77.3	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	41.6
3939	631938.94	4834517.22	81.70	1	DEN	1000	77.3	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	50.8
3945	631923.10	4834519.24	82.02	1	DEN	1000	77.3	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	48.9
3950	631915.53	4834526.77	82.34	1	DEN	1000	77.3	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	36.7
3957	631930.95	4834515.49	81.79	1	DEN	1000	77.3	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	49.1
3963	631950.20	4834529.51	81.82	1	DEN	1000	77.3	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	41.8
3969	631933.41	4834532.45	82.18	1	DEN	1000	77.3	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	42.7
3974	631965.02	4834532.72	81.65	1	DEN	1000	77.3	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	41.0
3980	631970.44	4834540.47	81.75	1	DEN	1000	77.3	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	37.6
3987	631985.26	4834543.68	81.58	1	DEN	1000	77.3	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	36.9

Area Source, ISO 9613, Name: "", ID: "!00!_service_Conc_Trk"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
2926	631977.95	4834551.89	81.80	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	54.3
2928	631983.39	4834548.73	81.70	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.5
2934	631990.80	4834550.34	81.62	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.5
2938	631967.71	4834547.51	81.90	0	DEN	1000	77.3	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	55.6
2941	631984.15	4834560.83	81.79	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	53.5
2944	631985.24	4834567.58	81.82	0	DEN	1000	77.3	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	54.8
2947	631979.03	4834558.64	81.84	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.4
2951	631988.73	4834559.65	81.72	0	DEN	1000	77.3	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	54.1
2957	631989.81	4834566.40	81.75	0	DEN	1000	77.3	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.6
2960	631992.76	4834555.10	81.63	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	56.7
2962	631958.56	4834549.86	82.04	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	54.5
2965	631963.34	4834557.41	82.04	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.0
2966	631973.58	4834561.80	81.93	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.9
2979	631975.98	4834565.57	81.93	0	DEN	1000	77.3	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.7
2981	631982.51	4834569.16	81.87	0	DEN	1000	77.3	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.4
2984	631945.49	4834542.69	82.16	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	51.6
2986	631930.67	4834539.48	82.33	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	49.5
2991	631983.88	4834578.21	81.92	0	DEN	1000	77.3	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.0
2995	631981.69	4834573.97	81.92	0	DEN	1000	77.3	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	57.0
2998	631975.16	4834570.38	81.98	0	DEN	1000	77.3	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	55.2
2999	631970.06	4834569.60	82.04	0	DEN	1000	77.3	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	54.1
3006	631960.65	4834560.41	82.10	0	DEN	1000	77.3	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	52.0
3014	631957.91	4834561.92	82.14	0	DEN	1000	77.3	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.7
3021	631967.33	4834571.12	82.09	0	DEN	1000	77.3	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.7
3031	631951.37	4834558.34	82.20	0	DEN	1000	77.3	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	50.2
3037	631941.04	4834549.65	82.27	0	DEN	1000	77.3	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	47.7
3040	631927.98	4834542.48	82.39	0	DEN	1000	77.3	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	45.5
3044	631982.32	4834581.75	81.97	0	DEN	1000	77.3	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.3
3050	631978.15	4834573.91	81.97	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	35.2
3062	631968.89	4834571.34	82.07	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	35.8
3069	631978.72	4834578.50	81.99	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	35.1
3077	631984.04	4834578.20	81.92	1	DEN	1000	77.3	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	34.8
3084	631919.11	4834535.21	82.45	1	DEN	1000	77.3	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	34.4
3088	631961.87	4834553.77	82.03	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	49.3
3105	631969.97	4834548.75	81.88	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	45.6
3108	631982.29	4834550.44	81.73	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	45.6
3119	631949.56	4834552.08	82.18	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	49.0
3123	631939.18	4834544.53	82.26	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	47.8
3144	631973.87	4834566.14	81.96	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	48.1
3145	631974.52	4834573.89	82.01	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	46.4
3146	631979.71	4834577.66	81.98	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	46.9

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_Conc_Trk"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahou	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)										
3147	631965.12	4834563.41	82.06	1	DEN	1000	77.3	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	50.7
3148	631983.59	4834565.94	81.83	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	44.7
3155	631978.41	4834562.16	81.87	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	44.3
3157	631985.22	4834570.76	81.85	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	45.4
3159	631982.46	4834574.21	81.91	1	DEN	1000	77.3	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	43.1
3161	631984.09	4834579.03	81.93	1	DEN	1000	77.3	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	43.9
3172	631982.94	4834558.19	81.78	1	DEN	1000	77.3	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	46.6
3175	631989.10	4834559.04	81.71	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	43.5
3179	631991.04	4834553.18	81.64	1	DEN	1000	77.3	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	42.7
3182	631945.86	4834541.37	82.14	1	DEN	1000	77.3	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	42.8
3185	631964.11	4834543.37	81.92	1	DEN	1000	77.3	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	40.2
3193	631970.72	4834545.29	81.85	1	DEN	1000	77.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	37.4
3196	631983.04	4834546.97	81.70	1	DEN	1000	77.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	37.4
3200	631932.65	4834537.53	82.29	1	DEN	1000	77.3	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	45.1
3209	631992.57	4834561.11	81.68	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	33.5
3215	631993.93	4834555.13	81.61	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	32.7
3231	631991.31	4834563.98	81.72	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	37.0
3234	631989.66	4834569.90	81.78	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	37.9
3237	631988.10	4834572.71	81.83	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	35.5
3243	631986.16	4834578.57	81.90	1	DEN	1000	77.3	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	36.6
3249	631996.65	4834552.57	81.56	1	DEN	1000	77.3	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	38.3
3254	631994.80	4834555.32	81.60	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	35.7
3257	631993.45	4834561.30	81.67	1	DEN	1000	77.3	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	36.5
3264	631978.85	4834575.90	81.97	1	DEN	1000	77.3	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	28.9
3268	631971.11	4834573.45	82.06	1	DEN	1000	77.3	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	29.0
3270	631981.65	4834579.53	81.96	1	DEN	1000	77.3	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	31.9
3274	631971.59	4834572.13	82.04	1	DEN	1000	77.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	13.2
3281	631979.36	4834574.52	81.96	1	DEN	1000	77.3	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	12.8
3286	631967.57	4834570.83	82.08	1	DEN	1000	77.3	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	16.4
3293	631983.28	4834575.82	81.91	1	DEN	1000	77.3	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	16.1
3300	631979.39	4834574.66	81.96	1	DEN	1000	77.3	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	13.2
3306	631971.66	4834572.21	82.04	1	DEN	1000	77.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	13.6
3311	631995.34	4834549.25	81.55	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	18.4
3313	631991.61	4834548.50	81.59	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	15.5
3322	631984.25	4834546.80	81.68	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.9
3329	631984.20	4834546.90	81.68	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	18.9
3348	631969.43	4834543.59	81.85	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	19.6
3353	631969.40	4834543.66	81.85	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	16.6
3360	631984.17	4834546.97	81.68	1	DEN	1000	77.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.9
3366	631961.99	4834542.06	81.94	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	20.0
3372	631947.21	4834538.78	82.11	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	20.9
3378	631932.40	4834535.57	82.28	1	DEN	1000	77.3	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	21.8
3383	631995.14	4834549.94	81.56	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	25.0
3389	631991.42	4834549.40	81.60	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	22.2
3394	631984.37	4834547.44	81.68	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	22.5
3409	631984.17	4834547.89	81.69	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	25.5
3412	631969.89	4834544.41	81.85	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	26.2
3422	631969.74	4834544.74	81.85	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	23.2
3428	631984.03	4834548.22	81.69	1	DEN	1000	77.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	22.5
3434	631962.50	4834543.23	81.94	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	26.6
3439	631948.16	4834539.86	82.10	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	27.4
3452	631933.67	4834536.83	82.27	1	DEN	1000	77.3	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	28.3
3456	631933.46	4834536.38	82.27	1	DEN	1000	77.3	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	26.4
3462	631947.95	4834539.41	82.10	1	DEN	1000	77.3	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	25.6
3466	631962.28	4834542.33	81.93	1	DEN	1000	77.3	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	24.8
3472	631969.83	4834544.07	81.85	1	DEN	1000	77.3	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.4
3478	631984.32	4834547.10	81.68	1	DEN	1000	77.3	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	20.6
3484	631925.61	4834534.41	82.36	1	DEN	1000	77.3	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	33.0
3993	631977.93	4834542.09	81.67	0	DEN	1000	77.3	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	53.0
4003	631984.55	4834541.88	81.55	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.6
4006	631990.96	4834546.56	81.56	0	DEN	1000	77.3	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.9
4013	631970.01	4834533.80	81.59	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	53.8
4020	631958.68	4834528.06	81.64	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	51.6

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_Conc_Trk"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
4032	631942.83	4834511.49	81.49	0	DEN	1000	77.3	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	48.4
4037	631932.07	4834515.94	81.79	0	DEN	1000	77.3	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	45.4
4044	631945.46	4834527.46	81.85	0	DEN	1000	77.3	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	47.7
4050	631926.73	4834505.95	81.62	0	DEN	1000	77.3	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	47.2
4057	631957.88	4834534.46	81.82	0	DEN	1000	77.3	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	51.3
4064	631948.05	4834525.76	81.76	0	DEN	1000	77.3	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	46.1
4070	631936.02	4834510.01	81.57	0	DEN	1000	77.3	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	43.6
4076	631928.79	4834526.11	82.10	0	DEN	1000	77.3	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	54.7
4081	631953.80	4834533.58	81.86	1	DEN	1000	77.3	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	49.6
4086	631969.01	4834533.59	81.60	1	DEN	1000	77.3	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	46.6
4098	631976.44	4834541.77	81.68	1	DEN	1000	77.3	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	44.4
4103	631984.05	4834541.77	81.55	1	DEN	1000	77.3	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	41.3
4109	631990.46	4834546.45	81.56	1	DEN	1000	77.3	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	41.6
4115	631938.94	4834517.22	81.70	1	DEN	1000	77.3	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	50.8
4119	631923.10	4834519.24	82.02	1	DEN	1000	77.3	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	48.9
4123	631915.53	4834526.77	82.34	1	DEN	1000	77.3	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	36.7
4130	631930.95	4834515.49	81.79	1	DEN	1000	77.3	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	49.1
4136	631950.20	4834529.51	81.82	1	DEN	1000	77.3	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	41.8
4144	631933.41	4834532.45	82.18	1	DEN	1000	77.3	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	42.7
4149	631965.02	4834532.72	81.65	1	DEN	1000	77.3	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	41.0
4155	631970.44	4834540.47	81.75	1	DEN	1000	77.3	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	37.6
4159	631985.26	4834543.68	81.58	1	DEN	1000	77.3	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	36.9

Area Source, ISO 9613, Name: "", ID: "I00!_service_crane"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
4166	631977.95	4834551.89	81.80	0	DEN	1000	73.3	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.3
4175	631983.39	4834548.73	81.70	0	DEN	1000	73.3	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.5
4179	631990.80	4834550.34	81.62	0	DEN	1000	73.3	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48.5
4185	631967.71	4834547.51	81.90	0	DEN	1000	73.3	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	51.6
4192	631984.15	4834560.83	81.79	0	DEN	1000	73.3	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.5
4197	631985.24	4834567.58	81.82	0	DEN	1000	73.3	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.8
4203	631979.03	4834558.64	81.84	0	DEN	1000	73.3	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.4
4210	631988.73	4834559.65	81.72	0	DEN	1000	73.3	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.0
4217	631989.81	4834566.40	81.75	0	DEN	1000	73.3	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.5
4223	631992.76	4834555.10	81.63	0	DEN	1000	73.3	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.7
4228	631958.56	4834549.86	82.04	0	DEN	1000	73.3	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	50.4
4234	631963.34	4834557.41	82.04	0	DEN	1000	73.3	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.9
4241	631973.58	4834561.80	81.93	0	DEN	1000	73.3	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.9
4247	631975.98	4834565.57	81.93	0	DEN	1000	73.3	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	45.7
4253	631982.51	4834569.16	81.87	0	DEN	1000	73.3	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.4
4258	631945.49	4834542.69	82.16	0	DEN	1000	73.3	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	47.6
4264	631930.67	4834539.48	82.33	0	DEN	1000	73.3	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	45.5
4271	631983.88	4834578.21	81.92	0	DEN	1000	73.3	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.0
4277	631981.69	4834573.97	81.92	0	DEN	1000	73.3	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.9
4284	631975.16	4834570.38	81.98	0	DEN	1000	73.3	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.2
4291	631970.06	4834569.60	82.04	0	DEN	1000	73.3	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.1
4297	631960.65	4834560.41	82.10	0	DEN	1000	73.3	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.9
4303	631957.91	4834561.92	82.14	0	DEN	1000	73.3	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	44.6
4307	631967.33	4834571.12	82.09	0	DEN	1000	73.3	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.7
4310	631951.37	4834558.34	82.20	0	DEN	1000	73.3	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	46.1
4315	631941.04	4834549.65	82.27	0	DEN	1000	73.3	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	43.7
4320	631927.98	4834542.48	82.39	0	DEN	1000	73.3	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	41.5
4324	631982.32	4834581.75	81.97	0	DEN	1000	73.3	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.2
4328	631978.15	4834573.91	81.97	1	DEN	1000	73.3	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	31.2
4330	631968.89	4834571.34	82.07	1	DEN	1000	73.3	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	31.8
4335	631978.72	4834578.50	81.99	1	DEN	1000	73.3	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	31.0
4336	631984.04	4834578.20	81.92	1	DEN	1000	73.3	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	30.7
4346	631919.11	4834535.21	82.45	1	DEN	1000	73.3	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	30.4
4350	631961.87	4834553.77	82.03	1	DEN	1000	73.3	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	45.3
4355	631969.97	4834548.75	81.88	1	DEN	1000	73.3	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	41.6
4359	631982.29	4834550.44	81.73	1	DEN	1000	73.3	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	41.6
4364	631949.56	4834552.08	82.18	1	DEN	1000	73.3	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	45.0
4369	631939.18	4834544.53	82.26	1	DEN	1000	73.3	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	43.8

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_crane"																				
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)						
4374	631973.87	4834566.14	81.96	1	DEN	1000	73.3	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	44.0
4378	631974.52	4834573.89	82.01	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	42.4
4382	631979.71	4834577.66	81.98	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	42.9
4387	631965.12	4834563.41	82.06	1	DEN	1000	73.3	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	46.7
4392	631983.59	4834565.94	81.83	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	40.7
4397	631978.41	4834562.16	81.87	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	40.3
4403	631985.22	4834570.76	81.85	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	41.4
4412	631982.46	4834574.21	81.91	1	DEN	1000	73.3	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	39.1
4416	631984.09	4834579.03	81.93	1	DEN	1000	73.3	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	39.9
4421	631982.94	4834558.19	81.78	1	DEN	1000	73.3	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	42.6
4439	631989.10	4834559.04	81.71	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	39.5
4446	631991.04	4834553.18	81.64	1	DEN	1000	73.3	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	38.6
4456	631945.86	4834541.37	82.14	1	DEN	1000	73.3	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	38.8
4462	631964.11	4834543.37	81.92	1	DEN	1000	73.3	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	36.2
4466	631970.72	4834545.29	81.85	1	DEN	1000	73.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	33.4
4471	631983.04	4834546.97	81.70	1	DEN	1000	73.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	33.4
4475	631932.65	4834537.53	82.29	1	DEN	1000	73.3	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	41.1
4480	631992.57	4834561.11	81.68	1	DEN	1000	73.3	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	29.5
4483	631993.93	4834555.13	81.61	1	DEN	1000	73.3	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	28.6
4488	631991.31	4834563.98	81.72	1	DEN	1000	73.3	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	32.9
4492	631989.66	4834569.90	81.78	1	DEN	1000	73.3	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	33.9
4497	631988.10	4834572.71	81.83	1	DEN	1000	73.3	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	31.4
4501	631986.16	4834578.57	81.90	1	DEN	1000	73.3	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	32.6
4506	631996.65	4834552.57	81.56	1	DEN	1000	73.3	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	34.2
4510	631994.80	4834555.32	81.60	1	DEN	1000	73.3	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	31.6
4514	631993.45	4834561.30	81.67	1	DEN	1000	73.3	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	32.5
4517	631978.85	4834575.90	81.97	1	DEN	1000	73.3	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	24.9
4520	631971.11	4834573.45	82.06	1	DEN	1000	73.3	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	25.0
4526	631981.65	4834579.53	81.96	1	DEN	1000	73.3	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	27.9
4531	631971.59	4834572.13	82.04	1	DEN	1000	73.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	9.2
4536	631979.36	4834574.52	81.96	1	DEN	1000	73.3	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	8.8
4539	631967.57	4834570.83	82.08	1	DEN	1000	73.3	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	12.4
4544	631983.28	4834575.82	81.91	1	DEN	1000	73.3	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	12.0
4549	631979.39	4834574.66	81.96	1	DEN	1000	73.3	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	9.2
4553	631971.66	4834572.21	82.04	1	DEN	1000	73.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	9.5
4558	631995.34	4834549.25	81.55	1	DEN	1000	73.3	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	14.4
4563	631991.61	4834548.50	81.59	1	DEN	1000	73.3	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	11.5
4566	631984.25	4834546.80	81.68	1	DEN	1000	73.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	11.9
4570	631984.20	4834546.90	81.68	1	DEN	1000	73.3	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	14.9
4575	631969.43	4834543.59	81.85	1	DEN	1000	73.3	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	15.6
4581	631969.40	4834543.66	81.85	1	DEN	1000	73.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	12.6
4586	631984.17	4834546.97	81.68	1	DEN	1000	73.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	11.9
4594	631961.99	4834542.06	81.94	1	DEN	1000	73.3	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	16.0
4599	631947.21	4834538.78	82.11	1	DEN	1000	73.3	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	16.8
4601	631932.40	4834535.57	82.28	1	DEN	1000	73.3	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	17.7
4606	631995.14	4834549.94	81.56	1	DEN	1000	73.3	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	21.0
4611	631991.42	4834549.40	81.60	1	DEN	1000	73.3	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	18.1
4616	631984.37	4834547.44	81.68	1	DEN	1000	73.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	18.5
4621	631984.17	4834547.89	81.69	1	DEN	1000	73.3	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	21.5
4624	631969.89	4834544.41	81.85	1	DEN	1000	73.3	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	22.2
4629	631969.74	4834544.74	81.85	1	DEN	1000	73.3	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	19.2
4636	631984.03	4834548.22	81.69	1	DEN	1000	73.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	18.5
4639	631962.50	4834543.23	81.94	1	DEN	1000	73.3	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	22.6
4642	631948.16	4834539.86	82.10	1	DEN	1000	73.3	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	23.4
4646	631933.67	4834536.83	82.27	1	DEN	1000	73.3	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	24.2
4685	631933.46	4834536.38	82.27	1	DEN	1000	73.3	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	22.4
4689	631947.95	4834539.41	82.10	1	DEN	1000	73.3	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	21.5
4696	631962.28	4834542.33	81.93	1	DEN	1000	73.3	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	20.7
4700	631969.83	4834544.07	81.85	1	DEN	1000	73.3	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	17.3
4702	631984.32	4834547.10	81.68	1	DEN	1000	73.3	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	16.6
4709	631925.61	4834534.41	82.36	1	DEN	1000	73.3	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	28.9
6563	631977.93	4834542.09	81.67	0	DEN	1000	73.3	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.0
6567	631984.55	4834541.88	81.55	0	DEN	1000	73.3	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.6

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!00!_service_crane"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
6572	631990.96	4834546.56	81.56	0	DEN	1000	73.3	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.9
6576	631970.01	4834533.80	81.59	0	DEN	1000	73.3	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	49.7
6580	631958.68	4834528.06	81.64	0	DEN	1000	73.3	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	47.6
6584	631942.83	4834511.49	81.49	0	DEN	1000	73.3	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	44.4
6589	631932.07	4834515.94	81.79	0	DEN	1000	73.3	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	41.4
6594	631945.46	4834527.46	81.85	0	DEN	1000	73.3	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	43.6
6598	631926.73	4834505.95	81.62	0	DEN	1000	73.3	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	43.2
6602	631957.88	4834534.46	81.82	0	DEN	1000	73.3	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	47.3
6606	631948.05	4834525.76	81.76	0	DEN	1000	73.3	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	42.1
6611	631936.02	4834510.01	81.57	0	DEN	1000	73.3	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	39.6
6615	631928.79	4834526.11	82.10	0	DEN	1000	73.3	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	50.7
6620	631953.80	4834533.58	81.86	1	DEN	1000	73.3	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	45.6
6624	631969.01	4834533.59	81.60	1	DEN	1000	73.3	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	42.6
6629	631976.44	4834541.77	81.68	1	DEN	1000	73.3	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	40.4
6634	631984.05	4834541.77	81.55	1	DEN	1000	73.3	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	37.3
6639	631990.46	4834546.45	81.56	1	DEN	1000	73.3	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	37.6
6643	631938.94	4834517.22	81.70	1	DEN	1000	73.3	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	46.8
6646	631923.10	4834519.24	82.02	1	DEN	1000	73.3	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	44.8
6649	631915.53	4834526.77	82.34	1	DEN	1000	73.3	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	32.7
6656	631930.95	4834515.49	81.79	1	DEN	1000	73.3	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	45.1
6660	631950.20	4834529.51	81.82	1	DEN	1000	73.3	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	37.8
6663	631933.41	4834532.45	82.18	1	DEN	1000	73.3	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	38.7
6669	631965.02	4834532.72	81.65	1	DEN	1000	73.3	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	36.9
6703	631970.44	4834540.47	81.75	1	DEN	1000	73.3	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	33.6
6707	631985.26	4834543.68	81.58	1	DEN	1000	73.3	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	32.9

Area Source, ISO 9613, Name: "", ID: "!00!_service_exca"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
4713	631977.95	4834551.89	81.80	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.3
4718	631983.39	4834548.73	81.70	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.5
4723	631990.80	4834550.34	81.62	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.5
4728	631967.71	4834547.51	81.90	0	DEN	1000	72.3	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.6
4731	631984.15	4834560.83	81.79	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48.5
4736	631985.24	4834567.58	81.82	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.8
4740	631979.03	4834558.64	81.84	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.4
4742	631988.73	4834559.65	81.72	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.1
4745	631989.81	4834566.40	81.75	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.6
4749	631992.76	4834555.10	81.63	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.7
4753	631958.56	4834549.86	82.04	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	49.5
4757	631963.34	4834557.41	82.04	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.0
4761	631973.58	4834561.80	81.93	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
4764	631975.98	4834565.57	81.93	0	DEN	1000	72.3	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	44.7
4768	631982.51	4834569.16	81.87	0	DEN	1000	72.3	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.4
4772	631945.49	4834542.69	82.16	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	46.6
4776	631930.67	4834539.48	82.33	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	44.5
4780	631983.88	4834578.21	81.92	0	DEN	1000	72.3	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.0
4782	631981.69	4834573.97	81.92	0	DEN	1000	72.3	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.0
4787	631975.16	4834570.38	81.98	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.2
4794	631970.06	4834569.60	82.04	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.1
4799	631960.65	4834560.41	82.10	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.0
4803	631957.91	4834561.92	82.14	0	DEN	1000	72.3	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	43.7
4808	631967.33	4834571.12	82.09	0	DEN	1000	72.3	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.7
4813	631951.37	4834558.34	82.20	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	45.2
4818	631941.04	4834549.65	82.27	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	42.7
4821	631927.98	4834542.48	82.39	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	40.5
4826	631982.32	4834581.75	81.97	0	DEN	1000	72.3	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.3
4831	631978.15	4834573.91	81.97	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.2
4836	631968.89	4834571.34	82.07	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	30.8
4841	631978.72	4834578.50	81.99	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.1
4846	631984.04	4834578.20	81.92	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	29.8
4852	631919.11	4834535.21	82.45	1	DEN	1000	72.3	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	29.4
4857	631961.87	4834553.77	82.03	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	44.3
4862	631969.97	4834548.75	81.88	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	40.6

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_exca"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
4866	631982.29	4834550.44	81.73	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	40.6
4871	631949.56	4834552.08	82.18	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	44.0
4877	631939.18	4834544.53	82.26	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	42.8
4881	631973.87	4834566.14	81.96	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	43.1
4886	631974.52	4834573.89	82.01	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	41.4
4889	631979.71	4834577.66	81.98	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	41.9
4894	631965.12	4834563.41	82.06	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	45.7
4899	631983.59	4834565.94	81.83	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	39.7
4904	631978.41	4834562.16	81.87	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	39.3
4909	631985.22	4834570.76	81.85	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	40.4
4914	631982.46	4834574.21	81.91	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	38.1
4919	631984.09	4834579.03	81.93	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	38.9
4924	631982.94	4834558.19	81.78	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	41.6
4927	631989.10	4834559.04	81.71	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	38.5
4932	631991.04	4834553.18	81.64	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	37.7
4937	631945.86	4834541.37	82.14	1	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	37.8
4942	631964.11	4834543.37	81.92	1	DEN	1000	72.3	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	35.2
4947	631970.72	4834545.29	81.85	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	32.4
4952	631983.04	4834546.97	81.70	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	32.4
4964	631932.65	4834537.53	82.29	1	DEN	1000	72.3	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	40.1
4968	631992.57	4834561.11	81.68	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	28.5
4972	631993.93	4834555.13	81.61	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	27.7
4978	631991.31	4834563.98	81.72	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	32.0
4983	631989.66	4834569.90	81.78	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	32.9
4988	631988.10	4834572.71	81.83	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	30.5
4993	631986.16	4834578.57	81.90	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	31.6
4998	631996.65	4834552.57	81.56	1	DEN	1000	72.3	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	33.3
5004	631994.80	4834555.32	81.60	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	30.7
5009	631993.45	4834561.30	81.67	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	31.5
5016	631978.85	4834575.90	81.97	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	23.9
5020	631971.11	4834573.45	82.06	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	24.0
5025	631981.65	4834579.53	81.96	1	DEN	1000	72.3	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	26.9
5030	631971.59	4834572.13	82.04	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	8.2
5035	631979.36	4834574.52	81.96	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	7.8
5040	631967.57	4834570.83	82.08	1	DEN	1000	72.3	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	11.4
5045	631983.28	4834575.82	81.91	1	DEN	1000	72.3	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	11.1
5050	631979.39	4834574.66	81.96	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	8.2
5055	631971.66	4834572.21	82.04	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	8.6
5059	631995.34	4834549.25	81.55	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	13.4
5064	631991.61	4834548.50	81.59	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	10.5
5069	631984.25	4834546.80	81.68	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	10.9
5075	631984.20	4834546.90	81.68	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	13.9
5080	631969.43	4834543.59	81.85	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	14.6
5085	631969.40	4834543.66	81.85	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	11.6
5090	631984.17	4834546.97	81.68	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	10.9
5095	631961.99	4834542.06	81.94	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	15.0
5100	631947.21	4834538.78	82.11	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	15.9
5105	631932.40	4834535.57	82.28	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	16.8
5110	631995.14	4834549.94	81.56	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	20.0
5115	631991.42	4834549.40	81.60	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	17.2
5120	631984.37	4834547.44	81.68	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	17.5
5126	631984.17	4834547.89	81.69	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	20.5
5131	631969.89	4834544.41	81.85	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.2
5135	631969.74	4834544.74	81.85	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	18.2
5140	631984.03	4834548.22	81.69	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	17.5
5145	631962.50	4834543.23	81.94	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.6
5150	631948.16	4834539.86	82.10	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	22.4
5153	631933.67	4834536.83	82.27	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	23.3
5158	631933.46	4834536.38	82.27	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	21.4
5163	631947.95	4834539.41	82.10	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	20.6
5168	631962.28	4834542.33	81.93	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	19.8
5173	631969.83	4834544.07	81.85	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	16.4
5178	631984.32	4834547.10	81.68	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.6

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_exca"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
5183	631925.61	4834534.41	82.36	1	DEN	1000	72.3	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	28.0
6911	631977.93	4834542.09	81.67	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.0
6915	631984.55	4834541.88	81.55	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.6
6917	631990.96	4834546.56	81.56	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
6920	631970.01	4834533.80	81.59	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	48.8
6924	631958.68	4834528.06	81.64	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	46.6
6928	631942.83	4834511.49	81.49	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	43.4
6932	631932.07	4834515.94	81.79	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	40.4
6935	631945.46	4834527.46	81.85	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	42.7
6939	631926.73	4834505.95	81.62	0	DEN	1000	72.3	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	42.2
6943	631957.88	4834534.46	81.82	0	DEN	1000	72.3	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	46.3
6947	631948.05	4834525.76	81.76	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	41.1
6950	631936.02	4834510.01	81.57	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	38.6
6954	631928.79	4834526.11	82.10	0	DEN	1000	72.3	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	49.7
6956	631953.80	4834533.58	81.86	1	DEN	1000	72.3	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	44.6
6959	631969.01	4834533.59	81.60	1	DEN	1000	72.3	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	41.6
6962	631976.44	4834541.77	81.68	1	DEN	1000	72.3	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	39.4
6964	631984.05	4834541.77	81.55	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	36.3
6965	631990.46	4834546.45	81.56	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	36.6
6967	631938.94	4834517.22	81.70	1	DEN	1000	72.3	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	45.8
6970	631923.10	4834519.24	82.02	1	DEN	1000	72.3	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	43.9
6973	631915.53	4834526.77	82.34	1	DEN	1000	72.3	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	31.7
6977	631930.95	4834515.49	81.79	1	DEN	1000	72.3	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	44.1
6983	631950.20	4834529.51	81.82	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	36.8
6985	631933.41	4834532.45	82.18	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	37.7
6988	631965.02	4834532.72	81.65	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	36.0
6990	631970.44	4834540.47	81.75	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	32.6
6994	631985.26	4834543.68	81.58	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	31.9

Area Source, ISO 9613, Name: "", ID: "100!_service_backhoe"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
5188	631977.95	4834551.89	81.80	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.3
5193	631983.39	4834548.73	81.70	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.5
5198	631990.80	4834550.34	81.62	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.5
5203	631967.71	4834547.51	81.90	0	DEN	1000	72.3	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.6
5207	631984.15	4834560.83	81.79	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48.5
5211	631985.24	4834567.58	81.82	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.8
5215	631979.03	4834558.64	81.84	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.4
5219	631988.73	4834559.65	81.72	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.1
5223	631989.81	4834566.40	81.75	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.6
5227	631992.76	4834555.10	81.63	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.7
5231	631958.56	4834549.86	82.04	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	49.5
5235	631963.34	4834557.41	82.04	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.0
5238	631973.58	4834561.80	81.93	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
5241	631975.98	4834565.57	81.93	0	DEN	1000	72.3	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	44.7
5245	631982.51	4834569.16	81.87	0	DEN	1000	72.3	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.4
5250	631945.49	4834542.69	82.16	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	46.6
5256	631930.67	4834539.48	82.33	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	44.5
5260	631983.88	4834578.21	81.92	0	DEN	1000	72.3	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.0
5264	631981.69	4834573.97	81.92	0	DEN	1000	72.3	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.0
5267	631975.16	4834570.38	81.98	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.2
5271	631970.06	4834569.60	82.04	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.1
5276	631960.65	4834560.41	82.10	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.0
5281	631957.91	4834561.92	82.14	0	DEN	1000	72.3	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	43.7
5286	631967.33	4834571.12	82.09	0	DEN	1000	72.3	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.7
5291	631951.37	4834558.34	82.20	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	45.2
5296	631941.04	4834549.65	82.27	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	42.7
5301	631927.98	4834542.48	82.39	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	40.5
5306	631982.32	4834581.75	81.97	0	DEN	1000	72.3	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.3
5311	631978.15	4834573.91	81.97	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.2
5316	631968.89	4834571.34	82.07	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	30.8
5321	631978.72	4834578.50	81.99	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.1
5325	631984.04	4834578.20	81.92	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	29.8

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100_service_backhoe"																				
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)						
5332	631919.11	4834535.21	82.45	1	DEN	1000	72.3	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	29.4
5337	631961.87	4834553.77	82.03	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	44.3
5342	631969.97	4834548.75	81.88	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	40.6
5347	631982.29	4834550.44	81.73	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	40.6
5352	631949.56	4834552.08	82.18	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	44.0
5357	631939.18	4834544.53	82.26	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	42.8
5362	631973.87	4834566.14	81.96	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	43.1
5367	631974.52	4834573.89	82.01	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	41.4
5371	631979.71	4834577.66	81.98	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	41.9
5376	631965.12	4834563.41	82.06	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	45.7
5381	631983.59	4834565.94	81.83	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	39.7
5386	631978.41	4834562.16	81.87	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	39.3
5391	631985.22	4834570.76	81.85	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	40.4
5396	631982.46	4834574.21	81.91	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	38.1
5400	631984.09	4834579.03	81.93	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	38.9
5403	631982.94	4834558.19	81.78	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	41.6
5407	631989.10	4834559.04	81.71	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	38.5
5412	631991.04	4834553.18	81.64	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	37.7
5417	631945.86	4834541.37	82.14	1	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	37.8
5422	631964.11	4834543.37	81.92	1	DEN	1000	72.3	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	35.2
5427	631970.72	4834545.29	81.85	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	32.4
5432	631983.04	4834546.97	81.70	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	32.4
5437	631932.65	4834537.53	82.29	1	DEN	1000	72.3	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	40.1
5442	631992.57	4834561.11	81.68	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	28.5
5447	631993.93	4834555.13	81.61	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	27.7
5453	631991.31	4834563.98	81.72	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	32.0
5458	631989.66	4834569.90	81.78	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	32.9
5462	631988.10	4834572.71	81.83	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	30.5
5466	631986.16	4834578.57	81.90	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	31.6
5471	631996.65	4834552.57	81.56	1	DEN	1000	72.3	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	33.3
5476	631994.80	4834555.32	81.60	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	30.7
5481	631993.45	4834561.30	81.67	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	31.5
5485	631978.85	4834575.90	81.97	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	23.9
5489	631971.11	4834573.45	82.06	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	24.0
5493	631981.65	4834579.53	81.96	1	DEN	1000	72.3	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	26.9
5498	631971.59	4834572.13	82.04	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	8.2
5503	631979.36	4834574.52	81.96	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	7.8
5508	631967.57	4834570.83	82.08	1	DEN	1000	72.3	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	11.4
5512	631983.28	4834575.82	81.91	1	DEN	1000	72.3	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	11.1
5517	631979.39	4834574.66	81.96	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	8.2
5522	631971.66	4834572.21	82.04	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	8.6
5527	631995.34	4834549.25	81.55	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	13.4
5532	631991.61	4834548.50	81.59	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	10.5
5536	631984.25	4834546.80	81.68	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	10.9
5540	631984.20	4834546.90	81.68	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	13.9
5543	631969.43	4834543.59	81.85	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	14.6
5547	631969.40	4834543.66	81.85	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	11.6
5549	631984.17	4834546.97	81.68	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	10.9
5552	631961.99	4834542.06	81.94	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	15.0
5556	631947.21	4834538.78	82.11	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	15.9
5561	631932.40	4834535.57	82.28	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	16.8
5566	631995.14	4834549.94	81.56	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	20.0
5571	631991.42	4834549.40	81.60	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	17.2
5576	631984.37	4834547.44	81.68	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	17.5
5581	631984.17	4834547.89	81.69	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	20.5
5586	631969.89	4834544.41	81.85	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.2
5590	631969.74	4834544.74	81.85	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	18.2
5600	631984.03	4834548.22	81.69	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	17.5
5605	631962.50	4834543.23	81.94	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.6
5610	631948.16	4834539.86	82.10	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	22.4
5615	631933.67	4834536.83	82.27	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	23.3
5620	631933.46	4834536.38	82.27	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	21.4
5625	631947.95	4834539.41	82.10	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	20.6

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!00!_service_backhoe"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
5630	631962.28	4834542.33	81.93	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	19.8
5634	631969.83	4834544.07	81.85	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	16.4
5638	631984.32	4834547.10	81.68	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.6
5643	631925.61	4834534.41	82.36	1	DEN	1000	72.3	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	28.0
6712	631977.93	4834542.09	81.67	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.0
6716	631984.55	4834541.88	81.55	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.6
6719	631990.96	4834546.56	81.56	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
6723	631970.01	4834533.80	81.59	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	48.8
6727	631958.68	4834528.06	81.64	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	46.6
6731	631942.83	4834511.49	81.49	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	43.4
6735	631932.07	4834515.94	81.79	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	40.4
6738	631945.46	4834527.46	81.85	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	42.7
6741	631926.73	4834505.95	81.62	0	DEN	1000	72.3	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	42.2
6744	631957.88	4834534.46	81.82	0	DEN	1000	72.3	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	46.3
6747	631948.05	4834525.76	81.76	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	41.1
6751	631936.02	4834510.01	81.57	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	38.6
6754	631928.79	4834526.11	82.10	0	DEN	1000	72.3	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	49.7
6758	631953.80	4834533.58	81.86	1	DEN	1000	72.3	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	44.6
6762	631969.01	4834533.59	81.60	1	DEN	1000	72.3	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	41.6
6765	631976.44	4834541.77	81.68	1	DEN	1000	72.3	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	39.4
6769	631984.05	4834541.77	81.55	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	36.3
6773	631990.46	4834546.45	81.56	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	36.6
6776	631938.94	4834517.22	81.70	1	DEN	1000	72.3	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	45.8
6779	631923.10	4834519.24	82.02	1	DEN	1000	72.3	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	43.9
6783	631915.53	4834526.77	82.34	1	DEN	1000	72.3	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	31.7
6789	631930.95	4834515.49	81.79	1	DEN	1000	72.3	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	44.1
6793	631950.20	4834529.51	81.82	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	36.8
6797	631933.41	4834532.45	82.18	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	37.7
6801	631965.02	4834532.72	81.65	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	36.0
6804	631970.44	4834540.47	81.75	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	32.6
6808	631985.26	4834543.68	81.58	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	31.9

Area Source, ISO 9613, Name: "", ID: "!00!_service_loader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
5649	631977.95	4834551.89	81.80	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	44.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.3
5652	631983.39	4834548.73	81.70	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.5
5656	631990.80	4834550.34	81.62	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.5
5661	631967.71	4834547.51	81.90	0	DEN	1000	72.3	21.6	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.6
5666	631984.15	4834560.83	81.79	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	42.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48.5
5669	631985.24	4834567.58	81.82	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.8
5674	631979.03	4834558.64	81.84	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.4
5678	631988.73	4834559.65	81.72	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.1
5682	631989.81	4834566.40	81.75	0	DEN	1000	72.3	15.6	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.6
5686	631992.76	4834555.10	81.63	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	41.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.7
5691	631958.56	4834549.86	82.04	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	46.9	0.2	0.3	0.0	0.0	0.0	0.0	0.0	49.5
5695	631963.34	4834557.41	82.04	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	45.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.0
5700	631973.58	4834561.80	81.93	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
5705	631975.98	4834565.57	81.93	0	DEN	1000	72.3	12.6	0.0	2.9	0.0	42.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	44.7
5710	631982.51	4834569.16	81.87	0	DEN	1000	72.3	12.6	0.0	2.8	0.0	41.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.4
5715	631945.49	4834542.69	82.16	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.2	0.0	0.0	0.0	0.0	0.0	46.6
5720	631930.67	4834539.48	82.33	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	50.2	0.3	1.9	0.0	0.0	0.0	0.0	0.0	44.5
5725	631983.88	4834578.21	81.92	0	DEN	1000	72.3	14.8	0.0	2.8	0.0	39.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.0
5730	631981.69	4834573.97	81.92	0	DEN	1000	72.3	17.7	0.0	2.8	0.0	40.8	0.1	0.0	0.0	0.0	0.0	0.0	0.0	52.0
5734	631975.16	4834570.38	81.98	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	42.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.2
5738	631970.06	4834569.60	82.04	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	43.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.1
5742	631960.65	4834560.41	82.10	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	45.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	47.0
5746	631957.91	4834561.92	82.14	0	DEN	1000	72.3	14.7	0.0	2.9	0.0	46.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	43.7
5750	631967.33	4834571.12	82.09	0	DEN	1000	72.3	14.7	0.0	2.9	0.0	44.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.7
5754	631951.37	4834558.34	82.20	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	47.2	0.2	0.4	0.0	0.0	0.0	0.0	0.0	45.2
5758	631941.04	4834549.65	82.27	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	48.8	0.3	1.3	0.0	0.0	0.0	0.0	0.0	42.7
5762	631927.98	4834542.48	82.39	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	50.3	0.3	1.9	0.0	0.0	0.0	0.0	0.0	40.5
5766	631982.32	4834581.75	81.97	0	DEN	1000	72.3	11.3	0.0	2.8	0.0	40.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.3
5771	631978.15	4834573.91	81.97	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.7	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.2

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_loader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
5775	631968.89	4834571.34	82.07	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.2	0.6	3.4	0.0	0.0	0.0	0.0	1.0	30.8
5779	631978.72	4834578.50	81.99	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.8	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.1
5783	631984.04	4834578.20	81.92	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	56.1	0.7	3.5	0.0	0.0	0.0	0.0	1.0	29.8
5791	631919.11	4834535.21	82.45	1	DEN	1000	72.3	10.5	0.0	3.0	0.0	52.3	0.4	2.7	0.0	0.0	0.0	0.0	1.0	29.4
5797	631961.87	4834553.77	82.03	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	44.3
5800	631969.97	4834548.75	81.88	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.5	0.3	2.2	0.0	0.0	0.0	0.0	1.0	40.6
5804	631982.29	4834550.44	81.73	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	40.6
5821	631949.56	4834552.08	82.18	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.2	0.3	2.0	0.0	0.0	0.0	0.0	1.0	44.0
5825	631939.18	4834544.53	82.26	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	51.1	0.4	2.3	0.0	0.0	0.0	0.0	1.0	42.8
5829	631973.87	4834566.14	81.96	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	43.1
5834	631974.52	4834573.89	82.01	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.8	0.3	1.1	0.0	0.0	0.0	0.0	1.0	41.4
5840	631979.71	4834577.66	81.98	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	41.9
5845	631965.12	4834563.41	82.06	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	49.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	45.7
5854	631983.59	4834565.94	81.83	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.9	0.3	1.6	0.0	0.0	0.0	0.0	1.0	39.7
5857	631978.41	4834562.16	81.87	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.2	0.3	1.7	0.0	0.0	0.0	0.0	1.0	39.3
5862	631985.22	4834570.76	81.85	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.5	0.3	1.4	0.0	0.0	0.0	0.0	1.0	40.4
5866	631982.46	4834574.21	81.91	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	48.0	0.3	1.2	0.0	0.0	0.0	0.0	1.0	38.1
5869	631984.09	4834579.03	81.93	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	47.5	0.2	0.9	0.0	0.0	0.0	0.0	1.0	38.9
5873	631982.94	4834558.19	81.78	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	41.6
5875	631989.10	4834559.04	81.71	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.8	0.3	2.0	0.0	0.0	0.0	0.0	1.0	38.5
5879	631991.04	4834553.18	81.64	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	50.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	37.7
5884	631945.86	4834541.37	82.14	1	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	37.8
5888	631964.11	4834543.37	81.92	1	DEN	1000	72.3	14.5	0.0	3.0	0.0	50.9	0.4	2.3	0.0	0.0	0.0	0.0	1.0	35.2
5893	631970.72	4834545.29	81.85	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	32.4
5898	631983.04	4834546.97	81.70	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.3	0.0	0.0	0.0	0.0	1.0	32.4
5903	631932.65	4834537.53	82.29	1	DEN	1000	72.3	20.5	0.0	3.0	0.0	51.8	0.4	2.5	0.0	0.0	0.0	0.0	1.0	40.1
5908	631992.57	4834561.11	81.68	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	49.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	28.5
5912	631993.93	4834555.13	81.61	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	27.7
5917	631991.31	4834563.98	81.72	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	32.0
5923	631989.66	4834569.90	81.78	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	48.7	0.3	1.5	0.0	0.0	0.0	0.0	1.0	32.9
5927	631988.10	4834572.71	81.83	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	48.4	0.3	1.4	0.0	0.0	0.0	0.0	1.0	30.5
5932	631986.16	4834578.57	81.90	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	47.6	0.2	1.0	0.0	0.0	0.0	0.0	1.0	31.6
5937	631996.65	4834552.57	81.56	1	DEN	1000	72.3	12.2	0.0	3.0	0.0	50.6	0.3	2.3	0.0	0.0	0.0	0.0	1.0	33.3
5941	631994.80	4834555.32	81.60	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	1.0	30.7
5946	631993.45	4834561.30	81.67	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	1.0	31.5
5951	631978.85	4834575.90	81.97	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	1.3	0.0	1.0	23.9
5956	631971.11	4834573.45	82.06	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.6	0.0	1.0	24.0
5959	631981.65	4834579.53	81.96	1	DEN	1000	72.3	16.8	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	1.1	0.0	1.0	26.9
5964	631971.59	4834572.13	82.04	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	8.2
5968	631979.36	4834574.52	81.96	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	7.8
5973	631967.57	4834570.83	82.08	1	DEN	1000	72.3	0.4	0.0	3.0	0.0	57.7	0.8	3.8	0.0	0.0	1.0	0.0	1.0	11.4
5978	631983.28	4834575.82	81.91	1	DEN	1000	72.3	0.7	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.9	0.0	1.0	11.1
5982	631979.39	4834574.66	81.96	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.9	0.0	1.0	8.2
5986	631971.66	4834572.21	82.04	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.8	0.0	0.0	1.0	0.0	1.0	8.6
5991	631995.34	4834549.25	81.55	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	13.4
5996	631991.61	4834548.50	81.59	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	10.5
6001	631984.25	4834546.80	81.68	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	10.9
6005	631984.20	4834546.90	81.68	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	13.9
6010	631969.43	4834543.59	81.85	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	14.6
6015	631969.40	4834543.66	81.85	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	11.6
6020	631984.17	4834546.97	81.68	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	10.9
6024	631961.99	4834542.06	81.94	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.2	0.8	3.7	0.0	0.0	0.0	0.0	1.0	15.0
6027	631947.21	4834538.78	82.11	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	15.9
6032	631932.40	4834535.57	82.28	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	16.8
6037	631995.14	4834549.94	81.56	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	1.0	20.0
6043	631991.42	4834549.40	81.60	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.4	0.9	3.9	0.0	0.0	0.0	0.0	1.0	17.2
6048	631984.37	4834547.44	81.68	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	17.5
6053	631984.17	4834547.89	81.69	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	20.5
6058	631969.89	4834544.41	81.85	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.2
6063	631969.74	4834544.74	81.85	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	18.2
6067	631984.03	4834548.22	81.69	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	17.5
6072	631962.50	4834543.23	81.94	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	21.6
6077	631948.16	4834539.86	82.10	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	22.4

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!00!_service_loader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
6081	631933.67	4834536.83	82.27	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	23.3
6088	631933.46	4834536.38	82.27	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	21.4
6092	631947.95	4834539.41	82.10	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	20.6
6096	631962.28	4834542.33	81.93	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	19.8
6101	631969.83	4834544.07	81.85	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	16.4
6106	631984.32	4834547.10	81.68	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	15.6
6110	631925.61	4834534.41	82.36	1	DEN	1000	72.3	13.2	0.0	3.0	0.0	55.5	0.6	3.4	0.0	0.0	0.0	0.0	1.0	28.0
6812	631977.93	4834542.09	81.67	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	45.6	0.2	0.0	0.0	0.0	0.0	0.0	0.0	48.0
6815	631984.55	4834541.88	81.55	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.6
6819	631990.96	4834546.56	81.56	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
6823	631970.01	4834533.80	81.59	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	47.3	0.2	0.6	0.0	0.0	0.0	0.0	0.0	48.8
6826	631958.68	4834528.06	81.64	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.3	0.0	0.0	0.0	0.0	0.0	46.6
6830	631942.83	4834511.49	81.49	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	43.4
6834	631932.07	4834515.94	81.79	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	51.3	0.4	2.3	0.0	0.0	0.0	0.0	0.0	40.4
6837	631945.46	4834527.46	81.85	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	42.7
6841	631926.73	4834505.95	81.62	0	DEN	1000	72.3	22.1	0.0	3.0	0.0	52.2	0.4	2.6	0.0	0.0	0.0	0.0	0.0	42.2
6845	631957.88	4834534.46	81.82	0	DEN	1000	72.3	20.5	0.0	3.0	0.0	48.2	0.3	1.0	0.0	0.0	0.0	0.0	0.0	46.3
6848	631948.05	4834525.76	81.76	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	49.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	41.1
6852	631936.02	4834510.01	81.57	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.4	0.4	2.4	0.0	0.0	0.0	0.0	0.0	38.6
6855	631928.79	4834526.11	82.10	0	DEN	1000	72.3	27.9	0.0	3.0	0.0	51.0	0.4	2.2	0.0	0.0	0.0	0.0	0.0	49.7
6859	631953.80	4834533.58	81.86	1	DEN	1000	72.3	25.1	0.0	3.0	0.0	51.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	44.6
6863	631969.01	4834533.59	81.60	1	DEN	1000	72.3	22.0	0.0	3.0	0.0	51.7	0.4	2.6	0.0	0.0	0.0	0.0	1.0	41.6
6867	631976.44	4834541.77	81.68	1	DEN	1000	72.3	19.0	0.0	3.0	0.0	51.1	0.4	2.4	0.0	0.0	0.0	0.0	1.0	39.4
6870	631984.05	4834541.77	81.55	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.2	0.4	2.4	0.0	0.0	0.0	0.0	1.0	36.3
6874	631990.46	4834546.45	81.56	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.0	0.4	2.4	0.0	0.0	0.0	0.0	1.0	36.6
6878	631938.94	4834517.22	81.70	1	DEN	1000	72.3	28.1	0.0	3.0	0.0	53.1	0.5	2.9	0.0	0.0	0.0	0.0	1.0	45.8
6880	631923.10	4834519.24	82.02	1	DEN	1000	72.3	26.3	0.0	3.0	0.0	53.3	0.5	2.9	0.0	0.0	0.0	0.0	1.0	43.9
6884	631915.53	4834526.77	82.34	1	DEN	1000	72.3	13.7	0.0	3.0	0.0	53.0	0.5	2.9	0.0	0.0	0.0	0.0	1.0	31.7
6889	631930.95	4834515.49	81.79	1	DEN	1000	72.3	29.4	0.0	3.0	0.0	55.6	0.6	3.4	0.0	0.0	0.0	0.0	1.0	44.1
6893	631950.20	4834529.51	81.82	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	56.6	0.7	3.6	0.0	0.0	0.0	0.0	1.0	36.8
6897	631933.41	4834532.45	82.18	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	55.9	0.6	3.5	0.0	0.0	0.0	0.0	1.0	37.7
6901	631965.02	4834532.72	81.65	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	57.3	0.8	3.7	0.0	0.0	0.0	0.0	1.0	36.0
6904	631970.44	4834540.47	81.75	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	57.6	0.8	3.7	0.0	0.0	0.0	0.0	1.0	32.6
6908	631985.26	4834543.68	81.58	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	58.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	31.9

Area Source, ISO 9613, Name: "", ID: "!00!_service_CompAir"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
6115	631977.95	4834551.89	80.40	0	DEN	1000	72.3	18.6	0.0	3.0	0.0	44.4	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.3
6119	631983.39	4834548.73	80.30	0	DEN	1000	72.3	15.6	0.0	3.0	0.0	44.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.5
6123	631990.80	4834550.34	80.22	0	DEN	1000	72.3	15.6	0.0	3.0	0.0	43.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	47.5
6130	631967.71	4834547.51	80.50	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	46.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	50.2
6134	631984.15	4834560.83	80.39	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	42.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	48.5
6138	631985.24	4834567.58	80.42	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	40.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.8
6143	631979.03	4834558.64	80.44	0	DEN	1000	72.3	18.6	0.0	3.0	0.0	43.3	0.2	0.0	0.0	0.0	0.0	0.0	0.0	50.4
6148	631988.73	4834559.65	80.32	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	41.6	0.1	0.0	0.0	0.0	0.0	0.0	0.0	49.0
6153	631989.81	4834566.40	80.35	0	DEN	1000	72.3	15.6	0.0	2.9	0.0	40.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.6
6158	631992.76	4834555.10	80.23	0	DEN	1000	72.3	18.6	0.0	2.9	0.0	42.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.7
6162	631958.56	4834549.86	80.64	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	46.9	0.2	0.8	0.0	0.0	0.0	0.0	0.0	48.9
6166	631963.34	4834557.41	80.64	0	DEN	1000	72.3	18.6	0.0	3.0	0.0	45.7	0.2	0.1	0.0	0.0	0.0	0.0	0.0	47.8
6169	631973.58	4834561.80	80.53	0	DEN	1000	72.3	15.6	0.0	3.0	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
6174	631975.98	4834565.57	80.53	0	DEN	1000	72.3	12.6	0.0	3.0	0.0	43.0	0.1	0.0	0.0	0.0	0.0	0.0	0.0	44.7
6179	631982.51	4834569.16	80.47	0	DEN	1000	72.3	12.6	0.0	2.9	0.0	41.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.4
6183	631945.49	4834542.69	80.76	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.6	0.0	0.0	0.0	0.0	0.0	46.2
6185	631930.67	4834539.48	80.93	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	50.2	0.3	2.2	0.0	0.0	0.0	0.0	0.0	44.2
6191	631983.88	4834578.21	80.52	0	DEN	1000	72.3	14.8	0.0	2.9	0.0	39.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.0
6195	631981.69	4834573.97	80.52	0	DEN	1000	72.3	17.7	0.0	2.9	0.0	40.9	0.1	0.0	0.0	0.0	0.0	0.0	0.0	51.9
6198	631975.16	4834570.38	80.58	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	42.7	0.1	0.0	0.0	0.0	0.0	0.0	0.0	50.2
6203	631970.06	4834569.60	80.64	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	43.7	0.2	0.0	0.0	0.0	0.0	0.0	0.0	49.1
6209	631960.65	4834560.41	80.70	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	45.9	0.2	0.2	0.0	0.0	0.0	0.0	0.0	46.7
6214	631957.91	4834561.92	80.74	0	DEN	1000	72.3	14.7	0.0	3.0	0.0	46.1	0.2	0.4	0.0	0.0	0.0	0.0	0.0	43.3
6219	631967.33	4834571.12	80.69	0	DEN	1000	72.3	14.7	0.0	3.0	0.0	44.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.7
6222	631951.37	4834558.34	80.80	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	47.2	0.2	0.9	0.0	0.0	0.0	0.0	0.0	44.6
6228	631941.04	4834549.65	80.87	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	48.8	0.3	1.7	0.0	0.0	0.0	0.0	0.0	42.3

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "100!_service_CompAir"																				
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)						
6230	631927.98	4834542.48	80.99	0	DEN	1000	72.3	17.7	0.0	3.0	0.0	50.3	0.3	2.2	0.0	0.0	0.0	0.0	0.0	40.2
6234	631982.32	4834581.75	80.57	0	DEN	1000	72.3	11.3	0.0	2.9	0.0	40.2	0.1	0.0	0.0	0.0	0.0	0.0	0.0	46.3
6241	631978.15	4834573.91	80.57	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.7	0.6	3.6	0.0	0.0	0.0	0.0	1.0	30.0
6246	631968.89	4834571.34	80.67	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.2	0.6	3.5	0.0	0.0	0.0	0.0	1.0	30.6
6248	631978.72	4834578.50	80.59	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	55.8	0.6	3.6	0.0	0.0	0.0	0.0	1.0	29.9
6253	631984.04	4834578.20	80.52	1	DEN	1000	72.3	15.7	0.0	3.0	0.0	56.1	0.7	3.7	0.0	0.0	0.0	0.0	1.0	29.6
6260	631919.11	4834535.21	81.05	1	DEN	1000	72.3	10.5	0.0	3.0	0.0	52.3	0.4	2.9	0.0	0.0	0.0	0.0	1.0	29.2
6264	631961.87	4834553.77	80.63	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.0	0.3	2.3	0.0	0.0	0.0	0.0	1.0	44.0
6269	631969.97	4834548.75	80.48	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.5	0.3	2.5	0.0	0.0	0.0	0.0	1.0	40.3
6272	631982.29	4834550.44	80.33	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	50.5	0.3	2.5	0.0	0.0	0.0	0.0	1.0	40.3
6277	631949.56	4834552.08	80.78	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	50.3	0.3	2.3	0.0	0.0	0.0	0.0	1.0	43.7
6281	631939.18	4834544.53	80.86	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	51.1	0.4	2.6	0.0	0.0	0.0	0.0	1.0	42.5
6286	631973.87	4834566.14	80.56	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	48.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	42.6
6290	631974.52	4834573.89	80.61	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.9	0.3	1.5	0.0	0.0	0.0	0.0	1.0	40.9
6293	631979.71	4834577.66	80.58	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	47.5	0.2	1.4	0.0	0.0	0.0	0.0	1.0	41.4
6298	631965.12	4834563.41	80.66	1	DEN	1000	72.3	22.3	0.0	3.0	0.0	49.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	45.3
6303	631983.59	4834565.94	80.43	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.0	0.3	2.0	0.0	0.0	0.0	0.0	1.0	39.3
6308	631978.41	4834562.16	80.47	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.2	0.3	2.1	0.0	0.0	0.0	0.0	1.0	38.9
6313	631985.22	4834570.76	80.45	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	48.5	0.3	1.8	0.0	0.0	0.0	0.0	1.0	40.0
6320	631982.46	4834574.21	80.51	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	48.0	0.3	1.6	0.0	0.0	0.0	0.0	1.0	37.7
6324	631984.09	4834579.03	80.53	1	DEN	1000	72.3	13.3	0.0	3.0	0.0	47.5	0.2	1.4	0.0	0.0	0.0	0.0	1.0	38.5
6328	631982.94	4834558.19	80.38	1	DEN	1000	72.3	19.3	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	41.3
6333	631989.10	4834559.04	80.31	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	49.8	0.3	2.3	0.0	0.0	0.0	0.0	1.0	38.1
6346	631991.04	4834553.18	80.24	1	DEN	1000	72.3	16.3	0.0	3.0	0.0	50.4	0.3	2.5	0.0	0.0	0.0	0.0	1.0	37.3
6349	631945.86	4834541.37	80.74	1	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.3	0.4	2.6	0.0	0.0	0.0	0.0	1.0	37.5
6354	631964.11	4834543.37	80.52	1	DEN	1000	72.3	14.5	0.0	3.0	0.0	50.9	0.4	2.6	0.0	0.0	0.0	0.0	1.0	34.9
6358	631970.72	4834545.29	80.45	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	32.1
6363	631983.04	4834546.97	80.30	1	DEN	1000	72.3	11.5	0.0	3.0	0.0	50.8	0.4	2.6	0.0	0.0	0.0	0.0	1.0	32.1
6367	631932.65	4834537.53	80.89	1	DEN	1000	72.3	20.5	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	39.8
6370	631992.57	4834561.11	80.28	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	28.1
6375	631993.93	4834555.13	80.21	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	50.3	0.3	2.5	0.0	0.0	0.0	0.0	1.0	27.3
6379	631991.31	4834563.98	80.32	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.4	0.3	2.2	0.0	0.0	0.0	0.0	1.0	31.6
6383	631989.66	4834569.90	80.38	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	48.7	0.3	1.9	0.0	0.0	0.0	0.0	1.0	32.5
6387	631988.10	4834572.71	80.43	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	48.4	0.3	1.8	0.0	0.0	0.0	0.0	1.0	30.0
6392	631986.16	4834578.57	80.50	1	DEN	1000	72.3	6.2	0.0	3.0	0.0	47.6	0.2	1.4	0.0	0.0	0.0	0.0	1.0	31.1
6397	631996.65	4834552.57	80.16	1	DEN	1000	72.3	12.2	0.0	3.0	0.0	50.6	0.3	2.6	0.0	0.0	0.0	0.0	1.0	32.9
6401	631994.80	4834555.32	80.20	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	50.3	0.3	2.5	0.0	0.0	0.0	0.0	1.0	30.3
6406	631993.45	4834561.30	80.27	1	DEN	1000	72.3	9.2	0.0	3.0	0.0	49.7	0.3	2.3	0.0	0.0	0.0	0.0	1.0	31.1
6413	631978.85	4834575.90	80.57	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	2.1	0.0	1.0	22.9
6418	631971.11	4834573.45	80.66	1	DEN	1000	72.3	13.8	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	2.8	0.0	1.0	22.6
6421	631981.65	4834579.53	80.56	1	DEN	1000	72.3	16.8	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	1.8	0.0	1.0	26.0
6426	631971.59	4834572.13	80.64	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	0.9	0.0	1.0	8.1
6430	631979.36	4834574.52	80.56	1	DEN	1000	72.3	-2.6	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	0.8	0.0	1.0	7.8
6433	631967.57	4834570.83	80.68	1	DEN	1000	72.3	0.4	0.0	3.0	0.0	57.7	0.8	3.9	0.0	0.0	0.9	0.0	1.0	11.3
6436	631983.28	4834575.82	80.51	1	DEN	1000	72.3	0.7	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.8	0.0	1.0	11.0
6440	631979.39	4834574.66	80.56	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	58.2	0.8	4.0	0.0	0.0	0.8	0.0	1.0	8.2
6443	631971.66	4834572.21	80.64	1	DEN	1000	72.3	-2.3	0.0	3.0	0.0	57.9	0.8	3.9	0.0	0.0	0.9	0.0	1.0	8.5
6446	631995.34	4834549.25	80.15	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.6	0.9	4.0	0.0	0.0	0.0	0.0	1.0	13.3
6450	631991.61	4834548.50	80.19	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.0	0.0	1.0	10.4
6452	631984.25	4834546.80	80.28	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	10.8
6457	631984.20	4834546.90	80.28	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	13.8
6462	631969.43	4834543.59	80.45	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	14.5
6467	631969.40	4834543.66	80.45	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	11.5
6472	631984.17	4834546.97	80.28	1	DEN	1000	72.3	-0.6	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	10.8
6477	631961.99	4834542.06	80.54	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	57.2	0.8	3.8	0.0	0.0	0.0	0.0	1.0	14.9
6480	631947.21	4834538.78	80.71	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	15.7
6482	631932.40	4834535.57	80.88	1	DEN	1000	72.3	2.4	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	16.6
6487	631995.14	4834549.94	80.16	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.6	0.9	4.0	0.0	0.0	0.0	0.0	1.0	19.9
6492	631991.42	4834549.40	80.20	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.4	0.9	4.0	0.0	0.0	0.0	0.0	1.0	17.0
6497	631984.37	4834547.44	80.28	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	17.4
6501	631984.17	4834547.89	80.29	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	20.4
6505	631969.89	4834544.41	80.45	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	21.1
6509	631969.74	4834544.74	80.45	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	18.1

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I00!_service_CompAir"																				
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)						
6514	631984.03	4834548.22	80.29	1	DEN	1000	72.3	6.0	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	17.4
6520	631962.50	4834543.23	80.54	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	21.5
6525	631948.16	4834539.86	80.70	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	22.2
6529	631933.67	4834536.83	80.87	1	DEN	1000	72.3	9.0	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	23.1
6533	631933.46	4834536.38	80.87	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	21.3
6538	631947.95	4834539.41	80.70	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	20.4
6544	631962.28	4834542.33	80.53	1	DEN	1000	72.3	7.2	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	19.6
6549	631969.83	4834544.07	80.45	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	16.2
6553	631984.32	4834547.10	80.28	1	DEN	1000	72.3	4.1	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	15.5
6558	631925.61	4834534.41	80.96	1	DEN	1000	72.3	13.2	0.0	3.0	0.0	55.5	0.6	3.6	0.0	0.0	0.0	0.0	1.0	27.8
7002	631977.93	4834542.09	80.27	0	DEN	1000	72.3	18.6	0.0	3.0	0.0	45.7	0.2	0.2	0.0	0.0	0.0	0.0	0.0	47.9
7004	631984.55	4834541.88	80.15	0	DEN	1000	72.3	15.6	0.0	3.0	0.0	45.1	0.2	0.0	0.0	0.0	0.0	0.0	0.0	45.6
7008	631990.96	4834546.56	80.16	0	DEN	1000	72.3	15.6	0.0	3.0	0.0	43.8	0.2	0.0	0.0	0.0	0.0	0.0	0.0	46.9
7011	631970.01	4834533.80	80.19	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	47.3	0.2	1.1	0.0	0.0	0.0	0.0	0.0	48.3
7015	631958.68	4834528.06	80.24	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	48.7	0.3	1.7	0.0	0.0	0.0	0.0	0.0	46.2
7018	631942.83	4834511.49	80.09	0	DEN	1000	72.3	21.6	0.0	3.0	0.0	51.0	0.4	2.5	0.0	0.0	0.0	0.0	0.0	43.1
7022	631932.07	4834515.94	80.39	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	51.3	0.4	2.6	0.0	0.0	0.0	0.0	0.0	40.1
7025	631945.46	4834527.46	80.45	0	DEN	1000	72.3	19.1	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	0.0	42.3
7029	631926.73	4834505.95	80.22	0	DEN	1000	72.3	22.1	0.0	3.0	0.0	52.2	0.4	2.8	0.0	0.0	0.0	0.0	0.0	42.0
7032	631957.88	4834534.46	80.42	0	DEN	1000	72.3	20.5	0.0	3.0	0.0	48.2	0.3	1.5	0.0	0.0	0.0	0.0	0.0	45.8
7035	631948.05	4834525.76	80.36	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	49.7	0.3	2.0	0.0	0.0	0.0	0.0	0.0	40.8
7039	631936.02	4834510.01	80.17	0	DEN	1000	72.3	17.5	0.0	3.0	0.0	51.5	0.4	2.6	0.0	0.0	0.0	0.0	0.0	38.3
7043	631928.79	4834526.11	80.70	0	DEN	1000	72.3	27.9	0.0	3.0	0.0	51.0	0.4	2.5	0.0	0.0	0.0	0.0	0.0	49.4
7047	631953.80	4834533.58	80.46	1	DEN	1000	72.3	25.1	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	44.3
7051	631969.01	4834533.59	80.20	1	DEN	1000	72.3	22.0	0.0	3.0	0.0	51.8	0.4	2.8	0.0	0.0	0.0	0.0	1.0	41.3
7054	631976.44	4834541.77	80.28	1	DEN	1000	72.3	19.0	0.0	3.0	0.0	51.1	0.4	2.7	0.0	0.0	0.0	0.0	1.0	39.1
7057	631984.05	4834541.77	80.15	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.2	0.4	2.7	0.0	0.0	0.0	0.0	1.0	36.0
7060	631990.46	4834546.45	80.16	1	DEN	1000	72.3	16.0	0.0	3.0	0.0	51.0	0.4	2.7	0.0	0.0	0.0	0.0	1.0	36.3
7063	631938.94	4834517.22	80.30	1	DEN	1000	72.3	28.1	0.0	3.0	0.0	53.1	0.5	3.1	0.0	0.0	0.0	0.0	1.0	45.6
7065	631923.10	4834519.24	80.62	1	DEN	1000	72.3	26.3	0.0	3.0	0.0	53.3	0.5	3.2	0.0	0.0	0.0	0.0	1.0	43.6
7068	631915.53	4834526.77	80.94	1	DEN	1000	72.3	13.7	0.0	3.0	0.0	53.0	0.5	3.1	0.0	0.0	0.0	0.0	1.0	31.5
7074	631930.95	4834515.49	80.39	1	DEN	1000	72.3	29.4	0.0	3.0	0.0	55.6	0.6	3.6	0.0	0.0	0.0	0.0	1.0	43.9
7077	631950.20	4834529.51	80.42	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	56.6	0.7	3.7	0.0	0.0	0.0	0.0	1.0	36.6
7079	631933.41	4834532.45	80.78	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	55.9	0.6	3.6	0.0	0.0	0.0	0.0	1.0	37.6
7082	631965.02	4834532.72	80.25	1	DEN	1000	72.3	23.4	0.0	3.0	0.0	57.3	0.8	3.8	0.0	0.0	0.0	0.0	1.0	35.8
7086	631970.44	4834540.47	80.35	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	57.6	0.8	3.9	0.0	0.0	0.0	0.0	1.0	32.5
7089	631985.26	4834543.68	80.18	1	DEN	1000	72.3	20.4	0.0	3.0	0.0	58.2	0.8	3.9	0.0	0.0	0.0	0.0	1.0	31.7

Area Source, ISO 9613, Name: "", ID: "I01!Prep_flat_dump_trks"																				
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)						
7094	632035.08	4834347.53	80.50	0	DEN	1000	83.9	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	56.2
7098	632035.08	4834347.53	80.50	1	DEN	1000	83.9	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	52.6
7106	632056.64	4834365.29	79.61	1	DEN	1000	83.9	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	37.3
7110	632051.01	4834352.27	80.19	1	DEN	1000	83.9	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	47.6
7113	632043.94	4834344.50	80.56	1	DEN	1000	83.9	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	42.8
7118	632003.97	4834342.04	80.94	1	DEN	1000	83.9	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	42.4
7122	631988.85	4834340.83	81.10	1	DEN	1000	83.9	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	40.9
7199	632010.80	4834324.72	81.66	0	DEN	1000	83.9	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	55.5
7202	632010.80	4834324.72	81.66	1	DEN	1000	83.9	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	52.2
7210	631985.27	4834315.45	82.27	1	DEN	1000	83.9	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	39.4
7215	631987.56	4834307.60	82.62	1	DEN	1000	83.9	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	38.9
7219	632066.19	4834332.52	80.90	1	DEN	1000	83.9	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	30.7
7224	631992.49	4834320.88	81.97	1	DEN	1000	83.9	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	46.3
7228	632005.51	4834326.53	81.62	1	DEN	1000	83.9	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	48.3
7231	632025.09	4834328.70	81.38	1	DEN	1000	83.9	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	44.0

Area Source, ISO 9613, Name: "", ID: "I01!_Service_trks"																				
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)						
7130	632035.08	4834347.53	80.50	0	DEN	1000	83.9	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	56.2
7134	632035.08	4834347.53	80.50	1	DEN	1000	83.9	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	52.6
7140	632056.64	4834365.29	79.61	1	DEN	1000	83.9	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	37.3
7143	632051.01	4834352.27	80.19	1	DEN	1000	83.9	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	47.6

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!01!_Service_trks"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7146	632043.94	4834344.50	80.56	1	DEN	1000	83.9	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	42.8
7151	632003.97	4834342.04	80.94	1	DEN	1000	83.9	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	42.4
7153	631988.85	4834340.83	81.10	1	DEN	1000	83.9	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	40.9
7162	632010.80	4834324.72	81.66	0	DEN	1000	83.9	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	55.5
7166	632010.80	4834324.72	81.66	1	DEN	1000	83.9	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	52.2
7175	631985.27	4834315.45	82.27	1	DEN	1000	83.9	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	39.4
7179	631987.56	4834307.60	82.62	1	DEN	1000	83.9	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	38.9
7183	632066.19	4834332.52	80.90	1	DEN	1000	83.9	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	30.7
7188	631992.49	4834320.88	81.97	1	DEN	1000	83.9	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	46.3
7191	632005.51	4834326.53	81.62	1	DEN	1000	83.9	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	48.3
7195	632025.09	4834328.70	81.38	1	DEN	1000	83.9	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	44.0

Area Source, ISO 9613, Name: "", ID: "!01!_Service_ConcSaw"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7235	632035.08	4834347.53	79.10	0	DEN	1000	79.1	32.5	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	0.0	51.3
7238	632035.08	4834347.53	79.10	1	DEN	1000	79.1	32.5	0.0	3.0	0.0	60.6	1.1	4.1	0.0	0.0	0.0	0.0	1.0	47.8
7244	632056.64	4834365.29	78.21	1	DEN	1000	79.1	18.2	0.0	3.0	0.0	61.4	1.2	4.2	0.0	0.0	0.0	0.0	1.0	32.4
7248	632051.01	4834352.27	78.79	1	DEN	1000	79.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	42.7
7251	632043.94	4834344.50	79.16	1	DEN	1000	79.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	37.9
7254	632003.97	4834342.04	79.54	1	DEN	1000	79.1	22.0	0.0	3.0	0.0	60.4	1.1	4.1	0.0	0.0	0.0	0.0	1.0	37.5
7257	631988.85	4834340.83	79.70	1	DEN	1000	79.1	20.1	0.0	3.0	0.0	60.1	1.0	4.0	0.0	0.0	0.0	0.0	1.0	36.0
7262	632010.80	4834324.72	80.26	0	DEN	1000	79.1	32.6	0.0	3.0	0.0	59.3	1.0	3.9	0.0	0.0	0.0	0.0	0.0	50.6
7265	632010.80	4834324.72	80.26	1	DEN	1000	79.1	32.6	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	47.3
7272	631987.56	4834307.60	81.22	1	DEN	1000	79.1	18.5	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	34.0
7276	632066.19	4834332.52	79.50	1	DEN	1000	79.1	12.2	0.0	3.0	0.0	62.0	1.3	4.2	0.0	0.0	0.0	0.0	1.0	25.8
7280	631992.49	4834320.88	80.57	1	DEN	1000	79.1	25.9	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	41.4
7284	632005.51	4834326.53	80.22	1	DEN	1000	79.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	43.4
7288	632025.09	4834328.70	79.98	1	DEN	1000	79.1	24.4	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	39.1

Area Source, ISO 9613, Name: "", ID: "!01!_Service_jHamm"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7293	632035.08	4834347.53	79.10	0	DEN	1000	78.1	32.5	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	0.0	50.3
7296	632035.08	4834347.53	79.10	1	DEN	1000	78.1	32.5	0.0	3.0	0.0	60.6	1.1	4.1	0.0	0.0	0.0	0.0	1.0	46.8
7302	632056.64	4834365.29	78.21	1	DEN	1000	78.1	18.2	0.0	3.0	0.0	61.4	1.2	4.2	0.0	0.0	0.0	0.0	1.0	31.4
7305	632051.01	4834352.27	78.79	1	DEN	1000	78.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	41.7
7308	632043.94	4834344.50	79.16	1	DEN	1000	78.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	36.9
7312	632003.97	4834342.04	79.54	1	DEN	1000	78.1	22.0	0.0	3.0	0.0	60.4	1.1	4.1	0.0	0.0	0.0	0.0	1.0	36.5
7315	631988.85	4834340.83	79.70	1	DEN	1000	78.1	20.1	0.0	3.0	0.0	60.1	1.0	4.0	0.0	0.0	0.0	0.0	1.0	35.0
7323	632010.80	4834324.72	80.26	0	DEN	1000	78.1	32.6	0.0	3.0	0.0	59.3	1.0	3.9	0.0	0.0	0.0	0.0	0.0	49.6
7328	632010.80	4834324.72	80.26	1	DEN	1000	78.1	32.6	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	46.3
7336	631987.56	4834307.60	81.22	1	DEN	1000	78.1	18.5	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	33.0
7340	632066.19	4834332.52	79.50	1	DEN	1000	78.1	12.2	0.0	3.0	0.0	62.0	1.3	4.2	0.0	0.0	0.0	0.0	1.0	24.8
7343	631992.49	4834320.88	80.57	1	DEN	1000	78.1	25.9	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.4
7347	632005.51	4834326.53	80.22	1	DEN	1000	78.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	42.4
7350	632025.09	4834328.70	79.98	1	DEN	1000	78.1	24.4	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	38.1

Area Source, ISO 9613, Name: "", ID: "!01!_Service_vacTRK"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7354	632035.08	4834347.53	80.50	0	DEN	1000	77.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	49.4
7357	632035.08	4834347.53	80.50	1	DEN	1000	77.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	45.9
7363	632056.64	4834365.29	79.61	1	DEN	1000	77.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	30.5
7366	632051.01	4834352.27	80.19	1	DEN	1000	77.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	40.8
7369	632043.94	4834344.50	80.56	1	DEN	1000	77.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	36.0
7373	632003.97	4834342.04	80.94	1	DEN	1000	77.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	35.6
7376	631988.85	4834340.83	81.10	1	DEN	1000	77.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	34.1
7475	632010.80	4834324.72	81.66	0	DEN	1000	77.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	48.7
7480	632010.80	4834324.72	81.66	1	DEN	1000	77.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	45.4
7487	631985.27	4834315.45	82.27	1	DEN	1000	77.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	32.6
7492	631987.56	4834307.60	82.62	1	DEN	1000	77.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	32.1
7495	632066.19	4834332.52	80.90	1	DEN	1000	77.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	23.9
7498	631992.49	4834320.88	81.97	1	DEN	1000	77.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	39.5

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I01!_Service_vacTRK"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7501	632005.51	4834326.53	81.62	1	DEN	1000	77.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	41.5
7505	632025.09	4834328.70	81.38	1	DEN	1000	77.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	37.2

Area Source, ISO 9613, Name: "", ID: "I01!Prep_dozer"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7382	632035.08	4834347.53	80.50	0	DEN	1000	77.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	49.4
7386	632035.08	4834347.53	80.50	1	DEN	1000	77.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	45.9
7392	632056.64	4834365.29	79.61	1	DEN	1000	77.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	30.5
7395	632051.01	4834352.27	80.19	1	DEN	1000	77.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	40.8
7399	632043.94	4834344.50	80.56	1	DEN	1000	77.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	36.0
7404	632003.97	4834342.04	80.94	1	DEN	1000	77.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	35.6
7408	631988.85	4834340.83	81.10	1	DEN	1000	77.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	34.1
7510	632010.80	4834324.72	81.66	0	DEN	1000	77.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	48.7
7514	632010.80	4834324.72	81.66	1	DEN	1000	77.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	45.4
7521	631985.27	4834315.45	82.27	1	DEN	1000	77.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	32.6
7525	631987.56	4834307.60	82.62	1	DEN	1000	77.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	32.1
7529	632066.19	4834332.52	80.90	1	DEN	1000	77.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	23.9
7533	631992.49	4834320.88	81.97	1	DEN	1000	77.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	39.5
7536	632005.51	4834326.53	81.62	1	DEN	1000	77.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	41.5
7540	632025.09	4834328.70	81.38	1	DEN	1000	77.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	37.2

Area Source, ISO 9613, Name: "", ID: "I01!Prep_grader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7413	632035.08	4834347.53	80.50	0	DEN	1000	77.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	49.4
7416	632035.08	4834347.53	80.50	1	DEN	1000	77.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	45.9
7418	632056.64	4834365.29	79.61	1	DEN	1000	77.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	30.5
7426	632051.01	4834352.27	80.19	1	DEN	1000	77.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	40.8
7430	632043.94	4834344.50	80.56	1	DEN	1000	77.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	36.0
7433	632003.97	4834342.04	80.94	1	DEN	1000	77.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	35.6
7437	631988.85	4834340.83	81.10	1	DEN	1000	77.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	34.1
7545	632010.80	4834324.72	81.66	0	DEN	1000	77.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	48.7
7548	632010.80	4834324.72	81.66	1	DEN	1000	77.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	45.4
7555	631985.27	4834315.45	82.27	1	DEN	1000	77.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	32.6
7560	631987.56	4834307.60	82.62	1	DEN	1000	77.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	32.1
7564	632066.19	4834332.52	80.90	1	DEN	1000	77.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	23.9
7568	631992.49	4834320.88	81.97	1	DEN	1000	77.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	39.5
7571	632005.51	4834326.53	81.62	1	DEN	1000	77.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	41.5
7575	632025.09	4834328.70	81.38	1	DEN	1000	77.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	37.2

Area Source, ISO 9613, Name: "", ID: "I01!_Service_ConcMix"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7443	632035.08	4834347.53	80.50	0	DEN	1000	77.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	49.4
7446	632035.08	4834347.53	80.50	1	DEN	1000	77.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	45.9
7454	632056.64	4834365.29	79.61	1	DEN	1000	77.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	30.5
7458	632051.01	4834352.27	80.19	1	DEN	1000	77.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	40.8
7462	632043.94	4834344.50	80.56	1	DEN	1000	77.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	36.0
7465	632003.97	4834342.04	80.94	1	DEN	1000	77.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	35.6
7469	631988.85	4834340.83	81.10	1	DEN	1000	77.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	34.1
7580	632010.80	4834324.72	81.66	0	DEN	1000	77.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	48.7
7583	632010.80	4834324.72	81.66	1	DEN	1000	77.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	45.4
7589	631985.27	4834315.45	82.27	1	DEN	1000	77.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	32.6
7595	631987.56	4834307.60	82.62	1	DEN	1000	77.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	32.1
7598	632066.19	4834332.52	80.90	1	DEN	1000	77.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	23.9
7600	631992.49	4834320.88	81.97	1	DEN	1000	77.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	39.5
7604	632005.51	4834326.53	81.62	1	DEN	1000	77.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	41.5
7606	632025.09	4834328.70	81.38	1	DEN	1000	77.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	37.2

Area Source, ISO 9613, Name: "", ID: "I01!Prep_chainsaw"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7610	632035.08	4834347.53	79.10	0	DEN	1000	74.1	32.5	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	0.0	46.3

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "I01!Prep_chainsaw"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7613	632035.08	4834347.53	79.10	1	DEN	1000	74.1	32.5	0.0	3.0	0.0	60.6	1.1	4.1	0.0	0.0	0.0	0.0	1.0	42.8
7618	632056.64	4834365.29	78.21	1	DEN	1000	74.1	18.2	0.0	3.0	0.0	61.4	1.2	4.2	0.0	0.0	0.0	0.0	1.0	27.4
7622	632051.01	4834352.27	78.79	1	DEN	1000	74.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	37.7
7625	632043.94	4834344.50	79.16	1	DEN	1000	74.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	32.9
7629	632003.97	4834342.04	79.54	1	DEN	1000	74.1	22.0	0.0	3.0	0.0	60.4	1.1	4.1	0.0	0.0	0.0	0.0	1.0	32.5
7632	631988.85	4834340.83	79.70	1	DEN	1000	74.1	20.1	0.0	3.0	0.0	60.1	1.0	4.0	0.0	0.0	0.0	0.0	1.0	31.0
7656	632010.80	4834324.72	80.26	0	DEN	1000	74.1	32.6	0.0	3.0	0.0	59.3	1.0	3.9	0.0	0.0	0.0	0.0	0.0	45.6
7658	632010.80	4834324.72	80.26	1	DEN	1000	74.1	32.6	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	42.3
7664	631987.56	4834307.60	81.22	1	DEN	1000	74.1	18.5	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	29.0
7667	632066.19	4834332.52	79.50	1	DEN	1000	74.1	12.2	0.0	3.0	0.0	62.0	1.3	4.2	0.0	0.0	0.0	0.0	1.0	20.8
7669	631992.49	4834320.88	80.57	1	DEN	1000	74.1	25.9	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.4
7672	632005.51	4834326.53	80.22	1	DEN	1000	74.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	38.4
7676	632025.09	4834328.70	79.98	1	DEN	1000	74.1	24.4	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	34.1

Area Source, ISO 9613, Name: "", ID: "I01!Prep_roller"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7635	632035.08	4834347.53	80.50	0	DEN	1000	74.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	46.4
7638	632035.08	4834347.53	80.50	1	DEN	1000	74.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	42.8
7641	632056.64	4834365.29	79.61	1	DEN	1000	74.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	27.5
7644	632051.01	4834352.27	80.19	1	DEN	1000	74.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	37.8
7647	632043.94	4834344.50	80.56	1	DEN	1000	74.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	33.0
7650	632003.97	4834342.04	80.94	1	DEN	1000	74.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	32.6
7653	631988.85	4834340.83	81.10	1	DEN	1000	74.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	31.1
7679	632010.80	4834324.72	81.66	0	DEN	1000	74.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	45.7
7681	632010.80	4834324.72	81.66	1	DEN	1000	74.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	42.4
7687	631985.27	4834315.45	82.27	1	DEN	1000	74.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	29.6
7691	631987.56	4834307.60	82.62	1	DEN	1000	74.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	29.1
7694	632066.19	4834332.52	80.90	1	DEN	1000	74.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	20.9
7698	631992.49	4834320.88	81.97	1	DEN	1000	74.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	36.5
7701	632005.51	4834326.53	81.62	1	DEN	1000	74.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	38.5
7703	632025.09	4834328.70	81.38	1	DEN	1000	74.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	34.2

Area Source, ISO 9613, Name: "", ID: "I01! Service_crane"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7707	632035.08	4834347.53	80.50	0	DEN	1000	73.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	45.4
7710	632035.08	4834347.53	80.50	1	DEN	1000	73.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	41.8
7714	632056.64	4834365.29	79.61	1	DEN	1000	73.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	26.5
7716	632051.01	4834352.27	80.19	1	DEN	1000	73.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	36.8
7718	632043.94	4834344.50	80.56	1	DEN	1000	73.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	32.0
7720	632003.97	4834342.04	80.94	1	DEN	1000	73.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	31.6
7722	631988.85	4834340.83	81.10	1	DEN	1000	73.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	30.1
7727	632010.80	4834324.72	81.66	0	DEN	1000	73.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	44.7
7730	632010.80	4834324.72	81.66	1	DEN	1000	73.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	41.4
7735	631985.27	4834315.45	82.27	1	DEN	1000	73.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	28.6
7738	631987.56	4834307.60	82.62	1	DEN	1000	73.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	28.1
7741	632066.19	4834332.52	80.90	1	DEN	1000	73.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	19.9
7745	631992.49	4834320.88	81.97	1	DEN	1000	73.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	35.5
7748	632005.51	4834326.53	81.62	1	DEN	1000	73.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	37.4
7750	632025.09	4834328.70	81.38	1	DEN	1000	73.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	33.2

Area Source, ISO 9613, Name: "", ID: "I01! Service_loader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7753	632035.08	4834347.53	80.50	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	44.4
7756	632035.08	4834347.53	80.50	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.9
7760	632056.64	4834365.29	79.61	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	25.5
7762	632051.01	4834352.27	80.19	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.8
7765	632043.94	4834344.50	80.56	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	31.0
7769	632003.97	4834342.04	80.94	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	30.6
7772	631988.85	4834340.83	81.10	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	29.1
8054	632010.80	4834324.72	81.66	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	43.7
8057	632010.80	4834324.72	81.66	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	40.4

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!01!_Service_loader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
8065	631985.27	4834315.45	82.27	1	DEN	1000	72.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	27.6
8068	631987.56	4834307.60	82.62	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	27.1
8071	632066.19	4834332.52	80.90	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	18.9
8074	631992.49	4834320.88	81.97	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	34.5
8076	632005.51	4834326.53	81.62	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.5
8079	632025.09	4834328.70	81.38	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	32.2

Area Source, ISO 9613, Name: "", ID: "!01!Prep_exca"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7775	632035.08	4834347.53	80.50	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	44.4
7778	632035.08	4834347.53	80.50	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.9
7780	632056.64	4834365.29	79.61	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	25.5
7782	632051.01	4834352.27	80.19	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.8
7786	632043.94	4834344.50	80.56	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	31.0
7788	632003.97	4834342.04	80.94	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	30.6
7791	631988.85	4834340.83	81.10	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	29.1
7965	632010.80	4834324.72	81.66	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	43.7
7968	632010.80	4834324.72	81.66	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	40.4
7976	631985.27	4834315.45	82.27	1	DEN	1000	72.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	27.6
7980	631987.56	4834307.60	82.62	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	27.1
7984	632066.19	4834332.52	80.90	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	18.9
7988	631992.49	4834320.88	81.97	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	34.5
7992	632005.51	4834326.53	81.62	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.5
7995	632025.09	4834328.70	81.38	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	32.2

Area Source, ISO 9613, Name: "", ID: "!01!_Service_backhoe"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7796	632035.08	4834347.53	80.50	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	44.4
7799	632035.08	4834347.53	80.50	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.9
7804	632056.64	4834365.29	79.61	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	25.5
7807	632051.01	4834352.27	80.19	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.8
7810	632043.94	4834344.50	80.56	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	31.0
7813	632003.97	4834342.04	80.94	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	30.6
7816	631988.85	4834340.83	81.10	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	29.1
7999	632010.80	4834324.72	81.66	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	43.7
8002	632010.80	4834324.72	81.66	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	40.4
8009	631985.27	4834315.45	82.27	1	DEN	1000	72.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	27.6
8012	631987.56	4834307.60	82.62	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	27.1
8015	632066.19	4834332.52	80.90	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	18.9
8021	631992.49	4834320.88	81.97	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	34.5
8024	632005.51	4834326.53	81.62	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.5
8027	632025.09	4834328.70	81.38	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	32.2

Area Source, ISO 9613, Name: "", ID: "!01!_Service_Exca"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7819	632035.08	4834347.53	80.50	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	44.4
7822	632035.08	4834347.53	80.50	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.9
7826	632056.64	4834365.29	79.61	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	25.5
7829	632051.01	4834352.27	80.19	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.8
7831	632043.94	4834344.50	80.56	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	31.0
7834	632003.97	4834342.04	80.94	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	30.6
7836	631988.85	4834340.83	81.10	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	29.1
8030	632010.80	4834324.72	81.66	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	43.7
8033	632010.80	4834324.72	81.66	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	40.4
8038	631985.27	4834315.45	82.27	1	DEN	1000	72.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	27.6
8041	631987.56	4834307.60	82.62	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	27.1
8044	632066.19	4834332.52	80.90	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	18.9
8046	631992.49	4834320.88	81.97	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	34.5
8048	632005.51	4834326.53	81.62	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.5
8051	632025.09	4834328.70	81.38	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	32.2

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!01!Prep_backhoe"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7841	632035.08	4834347.53	80.50	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	44.4
7843	632035.08	4834347.53	80.50	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.9
7849	632056.64	4834365.29	79.61	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	25.5
7852	632051.01	4834352.27	80.19	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.8
7855	632043.94	4834344.50	80.56	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	31.0
7858	632003.97	4834342.04	80.94	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	30.6
7861	631988.85	4834340.83	81.10	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	29.1
7914	632010.80	4834324.72	81.66	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	43.7
7918	632010.80	4834324.72	81.66	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	40.4
7922	631985.27	4834315.45	82.27	1	DEN	1000	72.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	27.6
7925	631987.56	4834307.60	82.62	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	27.1
7928	632066.19	4834332.52	80.90	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	18.9
7932	631992.49	4834320.88	81.97	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	34.5
7935	632005.51	4834326.53	81.62	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.5
7937	632025.09	4834328.70	81.38	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	32.2

Area Source, ISO 9613, Name: "", ID: "!01!Prep_loader"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7865	632035.08	4834347.53	80.50	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.8	0.0	0.0	0.0	0.0	0.0	44.4
7869	632035.08	4834347.53	80.50	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.0	0.0	0.0	0.0	0.0	1.0	40.9
7876	632056.64	4834365.29	79.61	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	25.5
7878	632051.01	4834352.27	80.19	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.8
7880	632043.94	4834344.50	80.56	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	31.0
7883	632003.97	4834342.04	80.94	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.0	0.0	0.0	0.0	0.0	1.0	30.6
7886	631988.85	4834340.83	81.10	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	3.9	0.0	0.0	0.0	0.0	1.0	29.1
7941	632010.80	4834324.72	81.66	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.8	0.0	0.0	0.0	0.0	0.0	43.7
7943	632010.80	4834324.72	81.66	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	40.4
7948	631985.27	4834315.45	82.27	1	DEN	1000	72.1	23.0	0.0	3.0	0.0	63.6	1.6	4.3	0.0	0.0	0.0	0.0	1.0	27.6
7951	631987.56	4834307.60	82.62	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	27.1
7952	632066.19	4834332.52	80.90	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.1	0.0	0.0	0.0	0.0	1.0	18.9
7955	631992.49	4834320.88	81.97	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	3.9	0.0	0.0	0.0	0.0	1.0	34.5
7958	632005.51	4834326.53	81.62	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.5
7962	632025.09	4834328.70	81.38	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.0	0.0	0.0	0.0	0.0	1.0	32.2

Area Source, ISO 9613, Name: "", ID: "!01! Service_Compress_air"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
7890	632035.08	4834347.53	79.10	0	DEN	1000	72.1	32.5	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	0.0	44.3
7893	632035.08	4834347.53	79.10	1	DEN	1000	72.1	32.5	0.0	3.0	0.0	60.6	1.1	4.1	0.0	0.0	0.0	0.0	1.0	40.8
7898	632056.64	4834365.29	78.21	1	DEN	1000	72.1	18.2	0.0	3.0	0.0	61.4	1.2	4.2	0.0	0.0	0.0	0.0	1.0	25.4
7901	632051.01	4834352.27	78.79	1	DEN	1000	72.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	35.7
7904	632043.94	4834344.50	79.16	1	DEN	1000	72.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	30.9
7908	632003.97	4834342.04	79.54	1	DEN	1000	72.1	22.0	0.0	3.0	0.0	60.4	1.1	4.1	0.0	0.0	0.0	0.0	1.0	30.5
7911	631988.85	4834340.83	79.70	1	DEN	1000	72.1	20.1	0.0	3.0	0.0	60.1	1.0	4.0	0.0	0.0	0.0	0.0	1.0	29.0
8083	632010.80	4834324.72	80.26	0	DEN	1000	72.1	32.6	0.0	3.0	0.0	59.3	1.0	3.9	0.0	0.0	0.0	0.0	0.0	43.6
8084	632010.80	4834324.72	80.26	1	DEN	1000	72.1	32.6	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	40.3
8089	631987.56	4834307.60	81.22	1	DEN	1000	72.1	18.5	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	27.0
8092	632066.19	4834332.52	79.50	1	DEN	1000	72.1	12.2	0.0	3.0	0.0	62.0	1.3	4.2	0.0	0.0	0.0	0.0	1.0	18.8
8095	631992.49	4834320.88	80.57	1	DEN	1000	72.1	25.9	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	34.4
8097	632005.51	4834326.53	80.22	1	DEN	1000	72.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	36.4
8098	632025.09	4834328.70	79.98	1	DEN	1000	72.1	24.4	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	32.1

Area Source, ISO 9613, Name: "", ID: "!01!Prep_pump"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
8101	632035.08	4834347.53	79.10	0	DEN	1000	70.0	32.5	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	0.0	42.3
8104	632035.08	4834347.53	79.10	1	DEN	1000	70.0	32.5	0.0	3.0	0.0	60.6	1.1	4.1	0.0	0.0	0.0	0.0	1.0	38.7
8109	632056.64	4834365.29	78.21	1	DEN	1000	70.0	18.2	0.0	3.0	0.0	61.4	1.2	4.2	0.0	0.0	0.0	0.0	1.0	23.4
8111	632051.01	4834352.27	78.79	1	DEN	1000	70.0	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	33.7
8113	632043.94	4834344.50	79.16	1	DEN	1000	70.0	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	28.9
8116	632003.97	4834342.04	79.54	1	DEN	1000	70.0	22.0	0.0	3.0	0.0	60.4	1.1	4.1	0.0	0.0	0.0	0.0	1.0	28.5
8118	631988.85	4834340.83	79.70	1	DEN	1000	70.0	20.1	0.0	3.0	0.0	60.1	1.0	4.0	0.0	0.0	0.0	0.0	1.0	27.0
8122	632010.80	4834324.72	80.26	0	DEN	1000	70.0	32.6	0.0	3.0	0.0	59.3	1.0	3.9	0.0	0.0	0.0	0.0	0.0	41.5

PROJECT OLEW - (untitled)

Area Source, ISO 9613, Name: "", ID: "!01!Prep_pump"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
8125	632010.80	4834324.72	80.26	1	DEN	1000	70.0	32.6	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	38.3
8128	631987.56	4834307.60	81.22	1	DEN	1000	70.0	18.5	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	25.0
8130	632066.19	4834332.52	79.50	1	DEN	1000	70.0	12.2	0.0	3.0	0.0	62.0	1.3	4.2	0.0	0.0	0.0	0.0	1.0	16.8
8133	631992.49	4834320.88	80.57	1	DEN	1000	70.0	25.9	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	32.4
8135	632005.51	4834326.53	80.22	1	DEN	1000	70.0	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	34.4
8138	632025.09	4834328.70	79.98	1	DEN	1000	70.0	24.4	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	30.1

Area Source, ISO 9613, Name: "", ID: "!01!Prep_compactGround"																				
Nr.	X	Y	Z	Refl.	DEN	Freq.	Lw	l/a	Optime	K0	Di	Adiv	Aatm	Agr	Afol	Ahous	Abar	Cmet	RL	Lr
	(m)	(m)	(m)			(Hz)	dB(A)	dB	dB	(dB)	(dB)	(dB)	(dB)	dB(A)						
8143	632035.08	4834347.53	79.10	0	DEN	1000	69.1	32.5	0.0	3.0	0.0	58.6	0.9	3.9	0.0	0.0	0.0	0.0	0.0	41.3
8145	632035.08	4834347.53	79.10	1	DEN	1000	69.1	32.5	0.0	3.0	0.0	60.6	1.1	4.1	0.0	0.0	0.0	0.0	1.0	37.8
8149	632056.64	4834365.29	78.21	1	DEN	1000	69.1	18.2	0.0	3.0	0.0	61.4	1.2	4.2	0.0	0.0	0.0	0.0	1.0	22.4
8151	632051.01	4834352.27	78.79	1	DEN	1000	69.1	28.4	0.0	3.0	0.0	61.4	1.2	4.1	0.0	0.0	0.0	0.0	1.0	32.7
8154	632043.94	4834344.50	79.16	1	DEN	1000	69.1	23.5	0.0	3.0	0.0	61.3	1.2	4.1	0.0	0.0	0.0	0.0	1.0	27.9
8157	632003.97	4834342.04	79.54	1	DEN	1000	69.1	22.0	0.0	3.0	0.0	60.4	1.1	4.1	0.0	0.0	0.0	0.0	1.0	27.5
8158	631988.85	4834340.83	79.70	1	DEN	1000	69.1	20.1	0.0	3.0	0.0	60.1	1.0	4.0	0.0	0.0	0.0	0.0	1.0	26.0
8161	632010.80	4834324.72	80.26	0	DEN	1000	69.1	32.6	0.0	3.0	0.0	59.3	1.0	3.9	0.0	0.0	0.0	0.0	0.0	40.6
8165	632010.80	4834324.72	80.26	1	DEN	1000	69.1	32.6	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	37.3
8171	631987.56	4834307.60	81.22	1	DEN	1000	69.1	18.5	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	24.0
8174	632066.19	4834332.52	79.50	1	DEN	1000	69.1	12.2	0.0	3.0	0.0	62.0	1.3	4.2	0.0	0.0	0.0	0.0	1.0	15.8
8176	631992.49	4834320.88	80.57	1	DEN	1000	69.1	25.9	0.0	3.0	0.0	60.5	1.1	4.0	0.0	0.0	0.0	0.0	1.0	31.4
8179	632005.51	4834326.53	80.22	1	DEN	1000	69.1	28.2	0.0	3.0	0.0	60.7	1.1	4.0	0.0	0.0	0.0	0.0	1.0	33.4
8182	632025.09	4834328.70	79.98	1	DEN	1000	69.1	24.4	0.0	3.0	0.0	61.1	1.2	4.1	0.0	0.0	0.0	0.0	1.0	29.1



<b>Job Name:</b>	Ontario Line Early Works
<b>Job Number:</b>	60611173
<b>Date:</b>	5-Mar-21
<b>Title:</b>	Noise Screening
<b>Description:</b>	Noise Screening Calcs - Corktown

Equipment	ref dist (m) reference (dBA)	usage factor	15.24 Calc to PWL	Incorp - Usage factor
Backhoe2	80	40	111.6	107.7
Chain Saw	85	20	116.6	109.7
Compactor (ground)	80	20	111.6	104.7
Compressor (air)	80	40	111.6	107.7
Concrete mixer truck	85	40	116.6	112.7
Concrete pump truck	82	20	113.6	106.7
Concrete saw	90	20	121.6	114.7
Crane (mobile)	85	16	116.6	108.7
Dozer	85	40	116.6	112.7
Dump/flatbed truck	84	40	115.6	111.7
Excavator2	80	40	111.6	107.7
Front end loader2	80	40	111.6	107.7
Generator	82	50	113.6	110.6
Grader2	85	40	116.6	112.7
Hoe Ram	90	20	121.6	114.7
Jack Hammer	89	20	120.6	113.7
Man Lift	85	20	116.6	109.7
Pavement Scarifier4	85	20	116.6	109.7
Pumps	77	50	108.6	105.6
Roller	85	20	116.6	109.7
Vacuum Excavator	85	40	116.6	112.7
			Total (dBA)	124.2
			Dist for 80 dBA (m)	64.4
			Dist for 70 dBA (m)	203.6

<b>Job Name:</b>	Ontario Line Early Works
<b>Job Number:</b>	60611173
<b>Date:</b>	5-Mar-21
<b>Title:</b>	Vibration Zone of Influence
<b>Description:</b>	Bylaw 514

Zone of Influence - Bylaw 514

Equipment	8.0 mm/s		5.0 mm/s		3.0 mm/s	
	m	ft	m	ft	m	ft
Backhoe	0.3	0.9	0.5	1.5	0.7	2.1
Ground compactor	1.8	5.6	2.4	7.8	3.4	11.0
concrete mix truck	3.0	9.8	4.0	13.2	5.6	18.4
Concrete pump truck	3.0	9.8	4.0	13.2	5.6	18.4
Dozer	3.3	10.8	4.5	14.6	6.2	20.5
Dump/flatbed truck	3.0	9.8	4.0	13.2	5.6	18.4
excavator	0.3	0.9	0.5	1.5	0.7	2.1
front end loader	0.3	0.9	0.5	1.5	0.7	2.1
grader	0.3	0.9	0.5	1.5	0.7	2.1
hoe ram	3.3	10.8	4.5	14.6	6.2	20.5
jack hammer	1.8	5.6	2.4	7.8	3.4	11.0
pavement scarifier	0.3	0.9	0.5	1.5	0.7	2.1
roller	5.8	18.7	7.9	25.9	11.1	36.3

<b>Job Name:</b>	Ontario Line Early Works
<b>Job Number:</b>	60611173
<b>Date:</b>	5-Mar-21
<b>Title:</b>	Vibration Zone of Influence
<b>Description:</b>	Vibration Zone of Influence Calculation - 0.14 mm/s

Zone of Influence - 0.14 mm/s

Equipment	Lv,criteria for calc	Zone of influence	
		m	ft
Auger Pile	74.8258864	19	64
Backhoe	74.8258864	2	7
Ground compactor	74.8258864	10	34
Dump/flatbed truck	74.8258864	18	59
excavator	74.8258864	2	7
front end loader	74.8258864	2	7
grader	74.8258864	2	7
hoe ram	74.8258864	19	64
jack hammer	74.8258864	10	34
pavement scarifier	74.8258864	2	7
roller	74.8258864	33	109