

Blackham, Kathleen

From: Leach, Mark R. <mark.leach@faegredrinker.com>
Sent: Wednesday, June 17, 2026 10:36 PM
To: Blackham, Kathleen; Whitaker, Nancy G.
Cc: Westrick Brown, Mindy; Patrick, Colin M.
Subject: RE: DC Blox 2026-CMP-815 Epsilon Acoustic Opinion Letter
Attachments: 26-0337_DCBlox_IndyDC_Acoustic Opinion Letter-260616.pdf

CAUTION: This email originated from outside of the organization and contains an attachment. Unless you recognize the sender and know the contents are safe, do not open the attachment.

Attached.

From: Leach, Mark R.
Sent: Wednesday, June 17, 2026 10:26 PM
To: 'Blackham, Kathleen' <kathleen.blackham@indy.gov>; 'Whitaker, Nancy G.' <nancy.whitaker@indy.gov>
Cc: Westrick Brown, Mindy <mindy.westrick@faegredrinker.com>; Patrick, Colin M. <colin.patrick@faegredrinker.com>
Subject: DC Blox 2026-CMP-815 Epsilon Acoustic Opinion Letter

Kathleen and Nancy,

Please add the attached Epsilon Acoustic Opinion Letter to the DC Blox 2026-CMP-815 file. I will upload this to the online system. Thanks.

Mark R. Leach

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26-0337_DCBox_IndyDC_Acoustic Opinion Letter-260616.docx

June 16, 2026

Epsilon Ref. 26-0337

Mr. Spencer Humphrey, PE
Associate Principal
Langan
Via email: shumphrey@langan.com

**Subject: Acoustic Letter of Opinion
Indianapolis Data Center Project – Indianapolis, Indiana**

Dear Spencer:

Epsilon Associates, Inc. (Epsilon) is pleased to provide this letter of opinion on potential sound levels from the proposed 78 MW data center project located in the Eastgate neighborhood of Indianapolis, Indiana to the south of E. Washington Street and west of S. Shadeland Avenue (the Project). The Project is being developed by DC Blox who has established a site requirement sound level of 65 dBA at their property boundary.

Conceptual Design Overview

A conceptual site plan and equipment layout for the Project dated June 2, 2026, aerial imagery of the area, property lines, and high-level sound level data for select equipment at the site were reviewed to derive an opinion of the potential exterior sound levels from the Project. Anticipated exterior sound sources from the Project include DX units/chillers, CRAC/condenser systems, rooftop units (RTUs), power generators, and auxiliary equipment. Based on the sound data provided for review and our experience, the primary sound sources will be the chillers (positioned on building rooftops) and the power generators (positioned on the ground). Sound level information and quantities of this equipment are provided in Table 1.

Table 1

Equipment	Quantity	Sound Level
DX Units/Chillers	89	100 dBA (Sound Power Level)
Power Generators	56	85 dBA at 7 meters (Sound Pressure Level) likely to be accomplished via sound attenuating enclosure

The conceptual Project layout includes three buildings tightly arranged in the central-southern portion of the property parcel generally bordered by site paved areas, i.e., access roads. The positioning of the data center buildings and corresponding equipment provide the largest setback from the northern property boundary in the direction of the closest homes to the Project. Furthermore, the layout includes all power generators interior to the building arrangement in utility yards, largely preventing line of sight of the generators to the majority of the Project's parcel boundary, a beneficial approach for limiting community noise impacts. The site design also includes solid sound walls at the ends of the utility yards, further preventing line of sight, and an 8-foot earthen berm to the north. The approximate distances from the primary equipment to the Project property boundary in each direction are summarized below in Table 2.

Table 2

Direction	Approx. Distance from Generators	Approx. Distance from DX Units/Chillers
North	615 ¹	500 ¹
West	160	185
South	400	185
East	305	140

Notes:

1. In the direction of the closest homes. The distance to the northern Project property boundary abutting the electric utility facility along the Pennsy Trail is shorter.

Estimated Sound Levels at the Property Line

Screening-level calculations of sound levels at the property boundaries were made assuming all primary equipment in Table 1 are running simultaneously at full load at the same position in space, a conservative approach. The cursory sound level calculations include only reductions due to drop-off with distance (e.g., no credit for building or sound wall shielding, atmospheric absorption, or ground absorption), which is conservative as well. Sound levels from this estimation show significant exceedances at the property boundary with the highest result at the western boundary where setback distances are shortest. These estimates are conservative, particularly given the lack of consideration for onsite building and wall shielding and equipment spacing. Roughly accounting for some onsite shielding and equipment spacing, the property boundary sound levels range from approximately 61 to 72 dBA. The highest predicted sound level is 7 dBA above the site requirement, an overage that can be reasonably attenuated.

Conclusions

The adjusted screening-level sound level calculations indicate that the Project has clear potential to meet its requirement of 65 dBA at the property line. As required, DC Blox will commission a detailed

Mr. Spencer Humphrey, PE
Langan
6/16/2026

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acoustic study to confirm this under both normal and emergency operations. The study will use industry-standard modeling to accurately predict potential sound levels and definitively assess Project compliance with DC Blox's sound level requirement. This three-dimensional model of the site will account for natural shielding effects from the onsite buildings, walls, and berms and other factors that influence how sound travels (e.g., ground absorption, etc.). It will also allow for mapping sound levels across the entire Project boundary, i.e., with sound level isolines.

To help reduce sound at the property boundary, ground-mounted sound walls at the ends of the utility yards where generators are directly visible to the property boundary will be installed. Rooftop acoustic-screening walls for the cooling equipment will be considered if the future sound study shows the need to further mitigate sound from the Project.

Finally, measuring existing background sound levels onsite and/or in the community is recommended to better understand potential impacts and support effective planning.

If you have any questions on this letter, please feel free to call me at (978) 461-6232 or e-mail me at ccyr@epsilonassociates.com.

Sincerely,
EPSILON ASSOCIATES, Inc.



Clinton D. Cyr, PE, INCE Board Certified
Lead Engineer