



Community Development Department
401 W Owen K Garriott Rd
Enid, OK 73701
Office: 580.616.7213
Email: EnidCD@Enid.org

August 13, 2026
Ordinance

Re: Addendum to Noise Zone Letter

To Whom It May Concern:

The following letter is an addendum to the Noise Letter provided in May 2026.

Gray Ridge Addition is located in the 65-75 dB Noise Zone range established by AICUZ (Air Installations Compatible Use Zones) Study, April 2022. The intent is to reduce the noise and vibrations extending from the flight line and flight path to the surrounding area to improve quality of life. The 2022 Vance AFB AICUS Noise Contour map shows lines connecting points with the same dBA, and contour shapes are dependent on the influence of arrivals and departures of aircraft flights over an area. The determined acceptable internal noise level is 45 dBA for occupied spaces. Guidelines for Sound Insulation of Residences Exposed to Aircraft Operations (2005 Guideline) was adopted by the City of Enid Municipal Code in 2004 (Ord. 04-04; § 9-5-1A) and 2006 (Ord. 2006-27; § 11-10D).

The 2005 Guideline provided options to build conforming occupied spaces as follows:

- Follow Appendix D
- Have an architect provide a signed and stamped document stating it does meet the 2005 Guidelines or reduces the exterior noise to 45dba inside occupiable spaces.
- The Code Official may review alternative methods that meet the intent of the 2005 Guidelines.
- Provide performance-based test results.
 - Provide an acoustical engineer or consultant analysis report.

Appendix D of the 2005 Guideline was provided in an information packet given to owners and contractors in May 2026. Appendix D is a model ordinance designed as an alternative option without hiring an architect to meet the intent of the adopted ordinance.

The 2005 Guideline documents provide multiple options on how to build in various noise contour areas. Below are recent answers to inquiries provided to City Staff to date:

Fireplaces and Chimneys:

- SLR (Sound Level Reduction) of 25 dB F-8 (65- 70 dB)
D-F-8 of Appendix D states: "Vented wood stoves shall not be used. Where vented



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fireplaces or vented gas-powered prefabricated units are used, provide acoustical chimney top dampers and use tight-fitting 1/4" tempered glass fireplace doors."

- SLR of 30 dB F-8 (70-75 dB)

Appendix D states that vented fireplaces shall not be used.

Rafters

- D-3 of Appendix D states that 14" rafters only apply to the top floor ceiling if there is no attic space.
- D-2 of Appendix D has the intent to create an air space along with insulation that reduces the noise and recommends 10" of insulation.

Flex Duct

- Flex duct can be used, but it must not allow noise to penetrate the occupiable spaces.

Note: Alternative options may be provided through building conformance options as provided above.

In conclusion, the intent of the regulations to ensure quality by having 45dba in occupiable spaces by following the City Ordinance that adopted the 2005, *Guidelines for Sound Insulation of Residences Exposed to Aircraft Operations* or the latest revision. Submitted building plans should have a statement that recognizes and addresses the Noise Zones regulations. City Staff ensures through review of the proposed projects meet the requirements and regulations described in the ordinance. City staff will review and request additional information if there are any questions or a need for further documentation. The intent is not to limit but to provide a quality of life by following the minimal requirements as presented by minimizing the noise that penetrates into the home.

Scott Garnand

Code Official - City of Enid – Code Department

401 W. Owen K. Garriott Rd. Phone: 580.616.7221 | Email: sgarnand@enid.org