

exhaustion. I wish I could say that was the only time that happened, but the noise has only grown more noticeable and unbearable as the weeks and months progressed.”

- *Our community is worried about the noise and air pollution these turbines would bring to our backyards.*
- *These turbines are very disruptive in terms of pollution and noise. This needs to stop. No matter the possible technological advancements xAI can accomplish (which I honestly don't see its benefits) it is not worth the destruction.*
- *The continuous turbine noise, increased air pollution, and excessive industrial lighting will continue to directly affect the daily lives, health, and well-being of the families who live nearby. Residents should not have to live with constant industrial noise, degraded air quality, and loss of the quiet environment that once defined our neighborhood.*
- *Noise is another concern. Gas turbines are very loud. The noise can run day and night. Low-frequency noise can travel far and go through walls. This can affect sleep, stress levels, and overall health.*

MDEQ Response: While “noise pollution” is typically considered an aspect of environmental matters, MDEQ has no authority in the regulation of decibel levels (i.e., noise pollution). Such authority within the State of Mississippi resides solely with the local jurisdictional government (i.e., city or county) through the issuance of ordinances and local requirements.

- **Comment No. 31:** Several comments were received that expressed concern about the proximity of the facility to the surrounding community in Southaven. Some of the comments are as follows:
 - *“The draft Permit defines an ‘ambient air boundary’ based on physical barriers around the current Site. However, according to DeSoto County land records, MZX Tech has purchased multiple additional parcels, including parcels adjacent to the Site, that are not effectively excluded from public access. Under EPA’s regulatory definition, ambient air extends to areas where the public can access the outdoor air, and impacts in those areas must be included in air quality modeling. Because the Permit relies on a boundary that does not correspond to true ambient air, the emissions impacts to the surrounding community could be underestimated. MDEQ must clarify the actual ambient air boundary, include all owned or controlled land in modeling, and reevaluate impacts accordingly.*
 - *“I am concerned that the xAI turbines are operating so close to residential areas. Health impacts from PM_{2.5} and NO_x emissions are most pronounced for children and older adults, particularly when exposure occurs close to residential” neighborhoods. These turbines need to be further way from people's homes. If you expand this site you will increase the danger to nearby residents including children.*
 - *“A disservice was done to nearby communities including ten schools, three daycares, 27 churches, eleven parks, and countless residents when the plant was introduced without public comment knowing it was going to be so close to our community without thought or care as to how loud the turbines are to those nearby and the effects that would have on their work and daily life.”*