

Fwd: Supplemental Noise & Infrasound Ordinance Proposal

From Aaron Rinehimer [REDACTED]
To lyontownshipethics@protonmail.com
Date Saturday, August 15th, 2026 at 8:15 AM

----- Forwarded message -----

From: **Aaron Rinehimer** [REDACTED]
Date: Sat, Aug 15, 2026 at 8:14 AM
Subject: Re: Supplemental Noise & Infrasound Ordinance Proposal
To: Lise Blades <lblades@lyontwp.org>

Hi Lise,

I recently received a bunch more scientific papers from Scott Hamilton who is a principal engineer & member of the Acoustic Society of America. Once I have a chance to curate them I'll forward them on to you.

It's interesting you mention whistling, Acoustics is a weird field because every human hears differently so one sound might be fine for one person, but might be like nails on a chalkboard for another person. Whistles are a form of a pure tone where you have a concentration of noise into a single or narrow frequency band. For me the whistles created by human whistling make my spine crawl and will completely derail my concentration. In any case I would have them check to see if one of the vent louvers is loose or if there is some sort of high pressure build-up. It's typically when you have fast air moving over a surface that a whistle is generated.

I'll definitely be following up with the planning commission.

I saw that the 5th site plan for the data center was released this week. I'll try to make an assessment on it this weekend. My 5 min preliminary reading of it showed me that they added an 18' sound barrier in the southeast border of the property. I'm not sure how that isn't a "Major Change" to a site plan. In any case what it tells us is that without it they can't meet the noise ordinances without it. I'll email everyone my assessment once it's done.

Thanks,
Aaron Rinehimer
[REDACTED]
[REDACTED]

On Thu, Aug 13, 2026 at 9:11PM Lise Blades <lblades@lyontwp.org> wrote:

Aaron,

Wow! Thank you! I have been very interested in all of the information you have provided regarding sound, specifically infrasound. At work, the air vent over my head whines all day long, and it drives me crazy. I am interested about the effects of low-frequency noise and the effects of noise that is below auditory perception.

I am hopeful that the Planning Commission incorporates this information.

Lise

Get [Outlook for iOS](#)

From: Aaron Rinehimer <[REDACTED]>

Sent: Thursday, 13 August 2026 20:53:54

To: leslie@cesinc.us <leslie@cesinc.us>; bkeesey@mcka.com <bkeesey@mcka.com>; Michele Cash <MCash@lyontwp.org>; Kristofer Enlow <kenlow@lyontwp.org>; Lise Blades <lblades@lyontwp.org>; Robert Swain <rswain@lyontwp.org>; Sean O'Neil <soneil@lyontwp.org>; Mike Conflitti <mconflitti@lyontwp.org>; Jim Chuck <jchuck@lyontwp.org>; Kurt Radke <kradke@lyontwp.org>; Branko Mitkovski <BMitkovski@lyontwp.org>; Patricia Carcone <PCarcone@lyontwp.org>; Ron Pennington <rpennington@lyontwp.org>; Carl Towne <ctowne@lyontwp.org>; J Dolan <JDolan@lyontwp.org>

Subject: Supplemental Noise & Infrasound Ordinance Proposal

Dear Brian, Leslie, Members of the Planning Commission, & Members of the Board of Trustees,

During the last Planning Commission meeting, I mentioned that I obtained proposed language for a new township ordinance specifically addressing infrasound—a category of low-frequency noise below the typical threshold of human auditory perception that our current ordinances do not cover.

This ordinance language was adapted from Mason, Michigan, which is addressing similar data center developments, in conjunction with Saline Township. The draft was prepared pro bono by attorney Andrew Bashi of the Great Lakes Environmental Law Center and Michael Bommarito.

Key Elements of the Proposed Ordinance:

- **Equitable Application:** Establishes standards that apply broadly to any industrial project, ensuring data centers are not singled out or unfairly targeted.
- **Tone Definition:** Defines pure tones using standard One-Third-Octave Band noise data.
- **Performance Standards:** Establishes explicit noise limits for sensitive properties during both daytime and nighttime operations, utilizing both dBA and dBC weightings to account for different frequency impacts.
- **Low-Frequency Protection:** Sets specific health and safety thresholds for low-frequency infrasound (0–160 Hz).
- **Equipment Testing Controls:** Restricts the testing of generators, alarms, and other intrusive equipment to weekdays between 9:00 AM and 5:00 PM.

- **Comprehensive Site Plan Review:** Requires developers to demonstrate compliance across all operational scenarios, including both routine operations and emergency testing.
- **Township Oversight:** Authorizes the township to conduct initial commissioning tests, periodic audits, and continuous monitoring at major energy facilities.
- **Resident Complaint Process:** Defines a structured mechanism for residents to report non-compliance directly to the township.
- **Enforcement Powers:** Grants explicit authority to township enforcement officers to handle violations.

This proposal is intended to supplement our existing noise regulations and fill critical gaps. As Brian noted regarding the large land use ordinance currently being drafted during the last board of trustees meeting, these provisions could readily be incorporated into that language.

While I am not an attorney, I believe these standards could be applied to properties surrounding Project Flex to ensure future compliance, even if aspects of the current proposal are grandfathered. I will leave the final legal interpretation to counsel. That said, if Verrus intends to be the "good neighbor" they claim to be, they should willingly adopt these standards.

As noted in my previous communications regarding the health impacts of low-frequency sound, my primary focus remains protecting sensitive sites, specifically the children at Dolson, Red Apple, and IXL Learning Center.

Please feel free to share this attached language with our municipal consultants. I remain available to answer any technical questions regarding the ordinance text, acoustic measurements, or noise impacts.

Thank you for your time and consideration.

Best regards,

Aaron Rinehimer

[REDACTED]

[REDACTED]