

CE 213A

Introduction to Environmental Science

L17: Unit 2: Noise Pollution ***Causes Effects and Remedies***

Dr. Anubha Goel

FB 319, anubha@iitk.ac.in, x 7027

Schedule : LEC Mon Wed Fri 5:10 – 6 pm

What is meant by Noise Pollution

- **Noise pollution** is generally defined as regular exposure to elevated sound levels that may lead to adverse effects in humans or other living organisms. According to the World Health Organization, sound levels less than 70 dB are not damaging to living organisms, regardless of how long or consistent the exposure is.
- Exposure for more than 8 hours to constant noise beyond 85 dB may be hazardous. If you work for 8 hours daily in close proximity to a busy road or highway, you are very likely exposed to traffic noise pollution around 85dB.

<https://www.environmentalpollutioncenters.org/noise-pollution/>



Major Causes

- Industrialization
 - Big machines, compressors etc.
- Poor Urban Planning:
 - Congested houses,
 - large families sharing small space
- Social Events
- Transportation:
 - Large number of vehicles on roads,
 - aeroplanes flying over houses,
- Construction activity
- Household chores



Impacts of Soil Pollution

- Hearing impairment
- hypertension
- Sleep deprivation
- Leads to road rage, and causes anxiety,
-

Remedies

- Noise damping
- Noise absorption
- Use of earplugs
- Awareness towards causes and impacts of noise pollution



Links to Interesting videos and articles

- Noise Pollution – A modern plague

(Article)

<https://pdfs.semanticscholar.org/a906/783b5d909ef214ada067bb5791f20ebf47c8.pdf>

- Noise Pollution | Effects Of Noise Pollution | Sources | Types | Measures | - Environmental Science (Video)

<https://www.youtube.com/watch?v=AQ4BakagMvM>

Newspaper headlines

- [Hearing loss affects 1 in 4 adults in the US. Is our *noisy* world to blame?](#)
- Vox-30-Aug-2018

- **Noise pollution cases during Dahi Handi highest in three years: Mumbai Police**

Cops say they file report on each case; activists say preventive action must to avoid repeat

Hindustan Times-06-Sep-2018

Kids leading an awareness campaign

- **Making noise against *noise pollution***

Times of India-04-Sep-2018

Location : Chandigarh

- <https://timesofindia.indiatimes.com/city/chandigarh/making-noise-against-noise-pollution/articleshow/65673521.cms>