

1. "Noise Exposure is Becoming 'the New Secondhand Smoke'", Mindy Fetterman, *The Washington Post*, May 12, 2018. NYU is conducting a study funded by the National Science Foundation to study the effects of noise, called the "Sounds of New York City" project. Noise is generally not regulated in the US, in contrast to Europe, which has set noise guidelines of an average of 40 decibels during nighttime hours and 50 decibels for continuous daytime noise.
2. "House Bill Would Let Airports Stop Using Toxic Firefighting Foam," Sharon Lerner, *The Intercept*, May 25, 2018. On April 27, the House of Representatives passed legislation that would release FAA from requirement to use fire-fighting foam containing fluorinated chemicals such as PFAS, a class of chemicals that have been shown to accumulate in the human body and are linked to health conditions such as cancer.
3. "Crucial Role for Nox2 and Sleep Deprivation in Aircraft Noise-Induced Vascular and Cerebral Oxidative Stress, Inflammation and Gene Regulation," Swenja Kroller-Schon et al., *European Heart Journal*, ehy333, <https://doi.org/10.1093/eurheartj/ehy333>, June 14, 2018. Scientists at the Department of Cardiology of University Medical Center Mainz found that night-time noise from aircraft is responsible for vascular dysfunction and were able to connect the vascular dysfunction to a particular enzyme called "phagocytic NADPH oxidase". The scientists also examined the effects of aircraft noise on the brain, and found that the function of an enzyme responsible for learning and memory (neuronal nitric oxide (NO) synthase) is impaired by aircraft noise.
4. "Rep. Adam Smith Introduces Legislation to Support Airport Impacted Communities," Scott Schafer, *b-townblog.com*, June 20, 2018. Rep. Smith (9th District of Washington). His proposed legislation is called the "Aviation Impacted Communities Act" and would permit communities under flightpaths to form boards that would interface directly with FAA. The boards would also be able to petition environmental impact studies. The Act would also extend funding for soundproofing to those living within the 55 DNL contour.
5. "Air Quality Monitoring Pilot Program Begins," *East Boston Times Free Press*, June 21, 2018. Students at Olin College, along with AIR Inc., a Boston-based airport mitigation advocacy group and Aerodyne, the manufacturer of the testing equipment. The team plans to measure pollutants caused by burning fossil fuels near the airport, and then those results will be compared to the more costly technology used by EPA to measure pollutants. The students also plan to develop software and interface to provide real-time air quality data to residents. If successful, the project would show that the less costly methods of air monitoring are just as effective as the EPA's expensive standard and thereby allow communities and neighborhoods to more easily gain accurate air pollutant exposure data.
6. "Maryland Files Petitions to Change Flight Paths at BWI, Reagan Airports to Reduce Noise," Colin Campbell, *Baltimore Sun*, June 26, 2018. Maryland Attorney General Brian Frosh and Gov. Larry Hogan filed petitions in the US Court of Appeals (for Reagan National) court and an administrative petition with the FAA (for Baltimore BWI Marshall) to readjust flight paths that have upset residents since the FAA's implementation of NextGen air traffic management. The BWI petition states that

the FAA's initial environmental impact assessment "did not show the actual proposed routes with sufficient specificity that could allow residents... to determine exactly what changes were proposed and how they would affect particular homes, schools, parks, churches, etc."

7. "Adams County Files Lawsuit Over DIA Noise Pollution," Megan Lopez, *The Denver Channel (Denver ABC Channel 7)*. Adams County, CO, the county encircling DIA, filed a lawsuit claiming DIA (Denver Co.), is using outdated equipment to track noise pollution. Adams Co. gave up 50 square miles of land to DIA in 1988 with the agreement that DIA would track and pay for noise pollution. DIA has paid Adams County \$40M for exceeding the noise threshold, but Adams County residents argue this is not based on accurate data and the DIA is not using the noise monitoring system as stated in their original agreement.