17TH INTERNATIONAL ARCHITECTURE EXHIBITION
LA BIENNALE DI VENEZIA
PAVILION OF TURKEY

CURATORIAL TEAM

İş çeşidi	en işl	Ses basıncı (dBA)			Ses basıncı (dBA)
Lokomotifler Uzunayaklarda üretim İhraç kuyusu Kompresörler Jeneratör istasyonları Ayırma elekleri Kör kuyular, cevher iletim	Sharma et. al., 1997	90 - 100 94 - 95 95 - 100		Parnell, 2015	114 - 125 104 - 118 100 - 102 114 - 125 110 - 125 116 - 125
Zincirli konveyörler Dizel motorlu YTB araçları Kuyu ihraç kafes ve skipleri Basınçlı hava ile galeri hazırlığı Emici tipte ana radyal vantilatör Açık andezi ocağı Boş bantlı konveyör Tasıvan bantlı konvevör		97 – 102 98 – 100 105 – 112	Elektrikli lokomotif Zincirli konveyör Yükle-taşı-boşalt aracı Sürekli kazı makinesi Damperli/dampersiz kamyonlar	McBride, 2004	83 - 93 85 - 95 97 - 100 95 - 100 97 - 103 95 - 100 90 - 100
Kritei Delici, 10 m Ekskavatör Buldozer, 10 m Boş – dolu kamyon hareketi (5 m) Kompresör, 2 m	Engel and Kosala (2007)	123,7 - 124,1 73 - 77 65,3 - 88,1 80 - 91 84,7- 93,7	Pnömatik aletler Uzunayak kazısı Yeraltı Kömür ocağı Zincirli konveyör Tüm makineler ve işçiler Hidrolik pompa istasyonu	Erarsle	114 – 120 96 – 101 74 – 96 77 – 97 87
TTK Amasra Müessesesi Yeraltı Yerüstü Lavvar Armutçuk Müessesesi Yeraltı		72,3 - 104,2 86,1 - 102,1 88,9 - 95,4 74.2 - 106.5	Vantilatör yanı	Erarslan, 1995	104 89 105 97 115
Yerüstü Lavvar Kozlu Müessesesi Yeraltı Yerüstü Karadon Müessesesi	Fişne, 2008	83,2 - 103,3 87,9 - 102,2 69,3 - 104,3 84,2 - 104,2	İşletme Konkasör Büro ve sosyal tesisler Yatakhane İşletme Konkasör Büro ve sosyal tesisler Yatakhane	Güverein ve Avhek, 2003	98,4 76,0 60,4 97,6 73,5 57,7
Yeraltı Yerüstü Çatalağzı Lavvarı Maden Makineleri Atölyesi		87,5 - 104,5 71,3 - 97,8		Manatakis, 2000	82 – 87 85 – 88 86 – 89 85 – 89 89 – 95 93 – 97

Bülent Erdem et. al., "Maden işyerlerinde gürültü kirililiği," [Noise pollution in mining workplaces] ISEM2016, 3rd International Symposium on Environment and Morality. (Alanya, 2016), 863.

In 1829 Johann Wolfgang von Goethe wrote that "architecture is 'petrified' music." This quote is now often seen as proposing an overly poetic and generous equivalence between architecture and music's shared logics of composition and effect. Yet, Goethe's words might still be useful to think about architecture and music's baser affinity: architecture makes noise. Or rather, while buildings themselves are rarely "heard" beyond the creak of wood framing and the dull hum of mechanical conditioning, the production of architecture, from the construction site all the way back to sites of material extraction, is an exceptionally noisy affair.

This rarely-considered sonic attribute of architecture's production is made explicit in this document, where the sound levels of mechanical equipment from different Turkish mining companies—drills, or trucks, or and compressors are quantified in decibels, spatializing sound as a function of energy. Here, sound might be seen as a measure for the economic expediency of the Turkish and

international construction industry: the noisier the site of extraction, the more rapidly Turkey's mineral resources are being extracted for use nationally or abroad. This positive correlation between noise and economic vigor implies its own inversion. What is the cost of silence at a site of extraction, bearing in mind less CO2 production, fewer toxic pollutants, and less pressure on vulnerable human and more-than-human populations?

If we were to decide a genre for this document-as-score, it could be said that this list comprises a piece of site-specific musique concrète. A discordant and cacophonous flow of bodies, materials, and machines at the site of extraction, before the materials are "frozen" by their temporary instantiation into a fixed building. Like any piece of music, however, architecture's "symphonic" clamor at the site of extraction must at some point come to an end. Whether this silence will occur because mineral resources at the site are exhausted, or because other economic and political actions bring extraction to a halt, remains to be seen.

² Musique concrète is an experimental music movement that originated in the 1920s and 1930s in France and Germany which takes found sounds of environmental noise and collages them into pieces of music that reject traditional rules of harmony and rhythm.

³ All pieces of music eventually must end, even those which stretch to absurd extents, such as John Cage's composition As Slow as Possible which takes 639 years to perform.