THE CHALLENGE

In a good-neighbor effort to shield nearby residents from noise emanating from their natural gas compressor station in rural PA, our Customer enlisted Sound Fighter® Systems (SFS) to engineer and produce a sound wall to mitigate the unwanted noise emanating from some very large processing equipment on their site. Their objectives were four-fold:

I. Install a sound-absorptive noise barrier sufficiently tall to effectively minimize unwanted noise to nearby residents.
II. Install a sound-absorptive noise barrier with the high acoustic performance necessary to mitigate the target frequencies emanating from their compressor engines and coolers.
III. Install a sound-absorptive noise barrier that would be visually acceptable to the local community.
IV. Incorporate acoustic man-doors and vehicle gates into the barrier.

THE SOLUTION

Under the guidance of their Acoustical Engineer, the Customer decided to install a 20-ft tall barrier, and selected Sound Fighter® Systems to design and build it using their SonaGuard® sound-absorptive noise barrier system. The final design included multiple man-doors as well as 20’W x 20’T vehicle swing gates.

OWNER — Gas Pipeline Company

SOUND BARRIER — Sound Fighter® Systems’ SonaGuard® Sound-Absorptive Noise Barrier