DECLARATION OF ANDRÉ ROUSSEAU

1. My name is André Rousseau. I reside in Bègles (Gironde) in France.

2. I have the following degrees relevant to the testimony I am providing: Licence (equivalent to a bachelor's degree) in Earth Sciences, a Diplôme d'Etudes Approfondies (DEA) (equivalent to a Master's degree) in Tectonophysics, Oceanography, and a DEA in Applied Physics from the Faculté des Sciences de Paris; a Thèse 3ème Cycle (equivalent to a Ph.D.) from Université Rennes 2; and a Thèse d'Etat (roughly equivalent to a Ph.D.) from Université Bordeaux 1.

3. My training includes land and marine seismic explorations in France and northern Spain, gravity and studies of acoustic well logging in Central Massif of France, Vendee, Alsace, Germany (KTB borehole) and California (SAFOD borehole).

4. I am a retired researcher in Geology and Geophysics. My employers throughout my career were the University of Rennes, Elf Aquitaine, and the National Center of the Scientific Research (CNRS) in Bordeaux, where I worked from 1972 to 2007.

5. I hereby reaffirm my declaration of April 15, 2020, stating that NIST was incorrect in attributing the two seismic signals generated during the destruction of WTC 7 to a cascade of floor failures inside the building and to the initiation of the building's global collapse. It is my professional opinion that the two seismic signals must have been generated by two subaerial explosions that corresponded in time and location to the initiation of the collapse of WTC 7's east penthouse and to the initiation of global collapse, respectively.

6. Although caution is required when interpreting signals that are small, in my professional opinion, the second signal shown in the seismograms is most likely an arrival from a separate seismic event. If this signal were the result of geological configuration, there would have been the same effect for the four other seismic signals emitted from WTC 1 and WTC 2. In the case of WTC 2, a second signal occurred 5.85 seconds after the first signal, while the second signal in the case of WTC 7 occurred 8 seconds after the first signal.

7. I wish to re-emphasize that, based on the bell-like form in the LDEO seismogram, this was an impulsive source of energy and not percussion on the ground. Floor sections and debris falling inside the building would comprise many smaller percussive events and would not be capable of generating the single bell-like form in the LDEO seismogram.

8. Furthermore, we know that percussive events have frequencies of 10 Hz and above while the measured frequency of the WTC 7 seismic activity was 1 Hz. In support of this point, I cite two papers: "Seismic Characteristics of the Weigh-Dropping Source" (Abe et al.) and "Analysis of Rock-Fall and Rock-Fall Avalanche Seismograms in the

French Alps" (Deparis et al.). The first shows that the frequencies generated by weight dropping are 10 Hz and above, compared to those from explosions being 5 Hz and below. The second shows that very large rocks dropping in the Alps generate frequencies around 10 Hz. However, these rocks are many times heavier than a given floor section in WTC 7 and all of the energy from their fall is conveyed in a single impact.

Pursuant to 28 U.S.C. Section 1746, I, André Rousseau, hereby swear, under penalty of perjury, that the foregoing statements are true and correct to the best of my information and belief.

/s/ André Rousseau	September 28, 2020
Signature of Declarant André Rousseau	Date