

Q&A

- **University of Nebraska National Strategic Research Institute:** I wanted to clarify my comment about one being enough to have a health effect was about viruses. There is a Canadian study for washed down suits with people coming out of containment where they showed the washing effect was just as effective as the chemical. The shower was removing without the agent. So, when you compare the traditional spray to the traditional washing effect, did you look at recovery of waste or how much was getting washed off?
 - **John Archer:** I tried to touch on that but probably did not explain it well. In the coupon study, we were able to collect runoff immediately and analyze spores in that. In the mannequin study, we were not able to collect the liquid immediately, so we could not look at that. But, based on the coupon study, we know the runoff will include spores. However, if they are sitting in a decontamination solution for five minutes, they are probably not there anymore. The more interesting thing to me is that the spores are re-aerosolized.
- **U.S. EPA:** What was the contact time between once you sprayed the dummy in bleach and then sampled?
 - **John Archer:** For the decontamination portion, we started at the top and went to the bottom, and the time was two minutes. Then, sampling happened immediately. It probably took a few minutes to sample all 25 locations. We tried to time it as well as we could.
- **U.S. Army Combat Capabilities Development Command:** I am curious about the electrostatic sprayer you used; could you control the air flow immediately as you turned it on before you introduced the liquid decontaminant?
 - **John Archer:** No, that is certainly a consideration. We saw that as well. You cannot halt it and start it exactly when you want it; the spray begins immediately.