

**From:** Jim Barr <[barrinb@hotmail.com](mailto:barrinb@hotmail.com)>  
**Subject:** Border Patrol Nogales shooting range  
**Date:** March 30, 2018 at 4:16:25 PM MST  
**To:** [david.s.clark@usace.army.mil](mailto:david.s.clark@usace.army.mil), [noyes@solsolutions.net](mailto:noyes@solsolutions.net), [chrisb@alanizassociates.com](mailto:chrisb@alanizassociates.com)

David Clark  
Project Manager  
US Army Corps of Engineers  
(817) 886-1876  
[david.s.clark@usace.army.mil](mailto:david.s.clark@usace.army.mil)

Robert Noyes  
Program Manager  
SOL-JCP, LLC  
(480) 544-7045  
[rnoyes@solsolutions.net](mailto:rnoyes@solsolutions.net)

Chris Bason  
Project Manager  
SOL-JCP, LLC  
(714) 995-2493  
[chrisb@alanizassociates.com](mailto:chrisb@alanizassociates.com)

Mr. Clark, Mr. Noyes and Mr. Bason,

Thank-you for moving forward with the clean-up of Border Patrol's Pistol Range. The scope proposed, however, does not address the extent of the contamination. For our property, it does clean the backstop and the drainage immediately West of the backstop, but leaves the rest of the contaminated areas. Your plans for the cleanup of the area beyond the three by five grid area remains unclear after the March 9th 2018 meeting. I would have an assurance that the remainder of the area will be also cleaned.

Additionally, there was a berm, erected along the shooting range's South property line, common with my North property line. This berm blocks the historic wash from flowing off of my parcel and onto the shooting range. It is half on the Arbo parcel and half on my parcel. I did not put up this earthen berm and block the wash. Allwyn, when sampling the soil in 2017, found the soil in this berm to contain a high concentration of lead. I ask, that as a part of the clean-up, the berm be removed and the stream be allowed to flow in its historic location. There is another diversion berm on the Kyriakis parcel that turns this was 90° to the South, so it will pass directly behind the backstop, instead of passing through the middle of the range. This diversion dam should also be removed.

The highest visible deposit of bullets that I personally saw were SW of the backstop where the wash has a vertical bank about 2 feet high. The vertical bank is in a location where it is not directly in the direction of fire, but maybe 30° south of the line of fire. I is also too low to be where it can be hit by a direct shot. The vertical bank appears to collect ricochets that have a horizontal velocity, hit the vertical bank and drop to the toe of the bank. The bullets are common enough to completely cover the ground at the toe of this bank. After a significant rain event that causes the wash to flow, this accumulation of lead disappears. After a rainfall in which the wash behind the backstop flow, bullets can be seen on the surface of the wash downstream of the backstop.

Has a sample of water from the well on the Arbo property been tested for contamination? If not, can you test it? How else would you know if the water table is being affected?

The Border Patrol environmental consultant, PIKA, sampled the area outside of the range on January 23 and 24th of this year. Their stated purpose was to confirm the contamination results published by Allwyn. Their results are not yet available to us. I understand they only sampled about half the area that is contaminated. What is the purpose of only testing half of the problem area?

At the March 6th meeting, you were not prepared to talk about the contamination outside of the 1/2 acre designated for clean-up. Can you tell us now, what we can expect as far as a clean-up of the adjacent parcels?

Thank-you,

Jim Barr  
Property owner  
(520) 248-1710  
[barrinb@hotmail.com](mailto:barrinb@hotmail.com)