



**Re: 2431 Expedition Ct., Sioux City**

1 message

**Cook, Dan** <dan.cook@dnr.iowa.gov>  
To: Steffen Engineering <steffen@wiatel.net>  
Bcc: Dan Cook <dan.cook@dnr.iowa.gov>

Thu, Dec 5, 2019 at 10:29 AM

It looks good for a Phase II, you will want to sieve the entire sample for shot comparison and send a sieved soil sample for analysis.

If you end up completing a full site assessment and the patrons used field loads rather than target loads the lead will extend further out.

Dan



**Daniel Cook** | Environmental Specialist Senior  
Iowa Department of Natural Resources  
Contaminated Sites Section  
P 515-725-8371 | F 515-725-8202 | 502 E. 9th St., Des Moines, IA 50319  
[www.iowadnr.gov](http://www.iowadnr.gov)

On Thu, Dec 5, 2019 at 8:52 AM Steffen Engineering <steffen@wiatel.net> wrote:

Dan:

Last week we discussed a former shooting range site in Sioux City.

Attached is some information on that site.

The potential buyer has authorized me conduct a Phase II investigation to determine if this property has impacted by the shooting range activities.

The scope of this investigation is to:

1. Prepare a site map locating the area that would have the highest potential for lead deposited from the former shooting range. (See Attached)
2. Locate the proposed sampling point on the property.
3. Collect approximately 1 cubic foot of soil from the top 3 inches and 1 cubic foot from 3 to 6 inches at each location.
4. A portion of the soil samples will be sieved to identify any lead shot.
5. A portion of the soil will be sent to a lab to analyze it for Lead & Antimony

Would you take a look at what I am proposing and let me know if there is something I am missing in this investigation.?

Thanks, Jerry

**Jerry E. Steffen, P.E.**  
**Steffen Engineering, Inc.**  
1844 Hwy 20  
Lawton, IA 51030  
712-944-5511 Office  
712-253-5994 Cell