

From: Ken Ebbott <kebbott@fehr-graham.com>
Sent: Friday, December 9, 2016 4:46 PM
To: DuFresne, Kristin I - DNR
Cc: Ken Ebbott
Subject: Bay Towel Waste Information

Kristin,

More of an informal email here-

With the haz waste confusion, I am wondering if some facts about the site might give us a regulatory avenue to allow for the treated soil to be discarded.

Namely - the site quit drycleaning in 1989. As we have the information gleaned from the dig that was previously not possible to be known, the high levels of contamination we're finding appear related to pipes from the former UST system which the owner has indicated was no longer in use since the 1960's. If we indicate on a Haz Waste determination worksheet signed by the owner or something that they believe all the released drycleaning chemicals predate RCRA, would that help eliminate the material as being listed, and then we only have to meet the characteristic criteria (pass TCLP) - and the total limitation is removed?

I honestly don't know - just spitballing to find a solution to this problem, and to find an angle to let you approve the treated material for disposal. Mixing in sub-freezing conditions won't likely be possible. We might be able to get soil at Q1 to pass TCLP by adding more BAM, but it will be likely not possible to hit the soil with an oxidizer that can drop total PCE levels.

As a result of the timing on this project (not your fault I know, but a fact nonetheless), it is likely the full frozen boxes will have to sit through the winter until spring thaw. Would it not be better to get the material in a landfill? If it won't leach based on TCLP's, and the levels are just a definition threshold that practically speaking doesn't help protect the environment or people in this situation - the material will go into a landfill, be buried (it is not daily cover- but will be put in like refuse), and it won't leach - passes TCLP. Sitting at the site all winter is a bigger risk to the environment in my mind - and to public health and welfare, it'll be an attractive nuisance at the very least.

Something to think about as we try to find a way to legally do the most good on this project.

Ken

KENDRICK EBBOTT | P.G. Branch Manager
Fehr Graham - Engineering & Environmental

1237 Pilgrim Road
Plymouth, WI 53073
P: 920.892.2444
C: 920-980-4231
F: 920.892.2620
www.fehr-graham.com