

Meeting Notes:

**Technical Guidance Committee Meeting:  
Off-Site Source Investigation**

**Date:** Tuesday, November 27, 2012 – 4<sup>th</sup> floor conference room – 11:30 AM

**Attendees:**

1. Gwen Zervas (Committee Chair)
2. Ron Poustchi
3. Kari Brookhouse
4. Michelle Barbaro
5. Steve Posten
6. Vamsee Veera
7. Bill Lindner
8. Marc Policastro
9. Christina Page
10. Amy DaSilva (via gotomeeting)

**Issues/Discussion**

Discussed the research that the committee members did since the last meeting. Marc found some EPA documents that may be useful; he will send out the links to these documents to the committee members. Ron discussed that the ITRC *Integrated DNAPL Site Strategy* document may be useful. Kari discussed the documents that she found and distributed to the committee via email on 11/26. Christina updated us on the Co-Mingled Plume Technical Guidance Committee.

We discussed the scope of off-site source document and whether a LSRP is required to determine the origin of the off-site source or is just required to provide evidence that the contamination is caused by an off-site source/not the site they are investigating. The committee agreed that there is no requirement to determine the origin of the off-site source, however if that can be determined, it would be helpful in proving it is not related to on-site operations. The committee agreed that once the LSRP determines that the contamination is from an off-site source, the LSRP will provide the information to the DEP and it will be left up to the DEP to take any action. The notification of adjacent property owners, as required in other states, would not be a part of our document. We also reiterated that our focus at this time is on off-site ground water contamination, not other environmental media.

Kari handed out a list of topics that should be covered in the document. The committee expanded the list. Specifically -

Historical onsite and offsite uses (PA)  
Potential AOCs (sources known or suspected)  
Complete SI  
Conceptual Site Model

Lithology (on and offsite)  
GW Flow (multiple zones)  
Contaminants of Concern  
Degradation Contaminants of Concern  
Multiple lines of evidence (checklist) – this would include tools for the toolbox – see below  
File review of all sites/facilities in the vicinity  
Case studies

Committee discussed tools for the toolbox/multiple lines of evidence. Committee members volunteered to research and write up an overview of following:

Biomarkers - Steve  
Isotope analysis – Steve  
Geochemistry – Steve  
Fingerprinting – Michelle  
Daughter ratio maps – Marc  
EPA statistical methods – Christina  
Flow modeling/gradients – Kari

Other assignments –

Christina and Steve will provide case studies on off-site source investigations. Steve will also provide a Conceptual Site Model example with graphics.

Christina will write up the SI process based on the SI/RI/RA ground water guidance document.

Ron will put together something on ITRC documents.

Vamsee will write up the PA process based on the PA guidance document.

**Action Items:**

Gwen will put together a draft outline of the document including all of the items listed above to discuss at the next meeting.

Committee members should start work on their assignments. Due dates will be discussed at next meeting.

Meeting ended at 12:30 PM

**Next meeting is on December 11, 2012 at 1:30 in conference room 3E-002 (3<sup>rd</sup> floor large conference room)**