
CBDPP I&M Committee Meeting Minutes

April 8, 2010

2430 Stevens / CR 297

ATTENDEES:

Scott Seydel

Carol Powe

Thomas Morris

Chuck Wildman

Leo Wickstrand

Mark Fisher

Patricia Aldridge

Shawna Flood

Steve Bertness

Brian Fawcett

Kirk Domina

Randy Phennger

Robert M. Legard

James DeRoos

Robert D. Gilmore

Tim K. Takaro

SAFETY TOPIC:

While doing a home repair on a garage door, be cautious of the springs. These springs have massive amounts of energy and can cause serious, if not permanent, injuries. Always look ahead and try to decide the best possible repair solution.

INTRODUCTIONS:

- Tim K. Takaro, MD, MPH, MS, Faculty of Health Services, Simon Fraser University, Associate Dean, Research and Associate Professor

OLD BUSINESS:

- Review of previous meeting minutes.
 - Accepted and approved by all members.

OPEN ACTION ITEMS:

- **VPPPA Conference:**
 - Scott Seydel received verbal indication that the VPPPA Conference has accepted the "Development of the Hanford Site CBDPP" as a workshop topic. Scott Seydel and Randy Phenneger have volunteered to be the speakers at the conference.
- **Portable Beryllium Detection System:**
 - A reminder that we need to be cautious when discussing matters. An unflattering comment was made during a meeting about a company that is not well known. Needless to say, the recipient did not appreciate the comment.
 - A conference call with Tim Irwin of Paradigm Lasers has been scheduled for April 19, 2010. The conference call will determine if Paradigm is interested in doing

the testing and validation portion. Will also consult Paradigm Lasers regarding their patent for a dual beam detection system.

- Dr. Tim Takaro suggested using the University of Washington as an option for doing the testing and validation. He said that UW has the facility for this testing and would be a great experience for the students to do.
 - The conference call of the group from the Beryllium Health & Safety Committee working on the Laser Induced Breakdown Spectroscopy (LIBS) system was conducted on April 7, 2010. LIBS looked at a variety of metals and showed promising results although there is still a long ways to go. The current limit of quantification for LIBS is down to 2 nanograms/sample. Scott Seydel will send the link out for information. A test of different wipe media found that post-it notes had the best combination of strength and the smooth surface needed for LIBS. Obviously, a better controlled wipe media is needed.
 - PNNL has a scientist that does laser ablation. Scott Seydel will speak with Steve Bertness about this and report back to the committee. Would like to see PNNL, Lawrence Livermore and INEL more engaged with this.
 - Discussed an Applied Spectra system wherein you could have a 3x4 foot cart and be able to move it around the room or set it down in a building. There is almost no sample preparation time and less than 5 minutes for sample output (most similar to RAD work).
- **Epidemiology Study:**
 - Questionnaire to be finalized by May 1, 2010 and mailed out.
 - **HAMMER and the CBDPP Committee Training:**
 - Committee Training Team did walk-through on April 5, 2010.
 - **Beryllium History Volumes:**
 - Volumes contain data that we already utilize; beryllium permits, buildings containing beryllium, etc.
 - Sub-Committee to set up meeting to do an in-depth review as the volumes do contain information that would be beneficial to each company. Sub-Committee members are Bob Gilmore, Mark Fisher, Carol Powe and Kirk Domina.
 - **Beryllium Website:**
 - Site should go up Friday, April 9, 2010.

IMPLEMENTATION STATUS:

WRPS:

- Beryllium Controlled Facility signs to be delivered starting the week of April 16th.

WCH:

- A freight elevator located at the PNNL facility, building 326, tested hot for beryllium. Out of 200 elevators tested at PNNL, one (1) freight elevator found beryllium dust inside a panel box where the mechanical breakers are located. All of their elevators were tagged out until each elevator could be tested and identified. MSA became involved since they do the 3rd party elevator inspections for the Hanford Site. Point of contact for the elevator questions is Pam.

NEW BUSINESS:

Epidemiology Study:

The Hanford Site Beryllium Work History Questionnaire will be finalized by May 1, 2010 and mailed out to 130 workers. Questionnaire expected to be returned no later than July 1, 2010, wherein the data will be entered.

Dr. Fawcett still needs addresses for approximately 30 people, majority of them former workers. Bob Gilmore offered to contact MSA Human Resources/Benefits to obtain this information since most of the former workers have retired, etc.

HSS Assessment Update:

- HSS still reviewing the information. A draft report will be sent out at the end of the month for review.
- Re-evaluating Assessment Forms, specifically, criteria. DOE will wait for HSS Report to determine course of action except for the immediate concerns.
- Dr. Tim Takaro and Dr. Lisa Maier will be back in town on April 15th.
- MSA (Bob Gilmore) to coordinate future DOE path forward meetings.
- HSS will make recommendation to include "surface contamination", in addition to airborne contamination.

Definition of "work" in Section 6.14 (DOE-0342):

Discussion ensued whether beryllium affected workers should be allowed to do non-intrusive walkdowns of BCA's. The CBDPP says that they are not allowed to "work" in BCA's. The question is whether a walkdown is work. Scott Seydel will write a position paper stating that Contractors cannot **assign** a Beryllium affected worker to perform work in a BCA, however, an employee can **voluntarily** assign themselves to enter work into a BCA to conduct a walkdown so long as no intrusive or dust generating work is going on. The Committee will review this position paper and reach a consensus at the next meeting regarding this issue.

Training Development:

The Committee Training Team met on 4/5/10 to walk through the stand-up course and manual. We have updates and understand that this will probably continue with HSS activities/input. There is an action list and the group wasn't able to get through Module 4, so each member was assigned that module independently. Those recommended changes are to be sent to Pat Aldridge. Three members of the Team verified okay to move forward; Mark and Pat are

working through Module 4 and other comments before they will verify. The Team would like to submit verification via e-mail to the committee so we can move forward to meet the 4/15/10 target date. (The Committee agreed an e-mail would be sufficient).

June 30, 2010 was set as the target date for the HGET content update. We are in the process of completing the Site Standardization and this will give us time to do that and update the content. Next week we will meet to go over the draft objectives.

We set a target completion date of August 30, 2010 for Associated Worker training. It is difficult to identify the target audience for this under the rule. How we proceed with design and development will depend on a definition of "formal training." If that is a stand-up class, then we have to take a different tact than if we are able to use web-based training. Want to use a "what's in it for me" angle to help involve the students. Some options for Associated Worker training include incorporating it with HGET; pulling Beryllium from HGET and requiring a web-based separate course for all Hanford employees that meets awareness and associated requirements. If the definition of "formal training" is decided to mean a stand-up course is needed, that will require different design and development. Content to include: BWP, Medical Surveillance Program, signage, CBDPP and other applicable topics.

Will be bringing on a subcontractor to perform needs and task analysis for:

- Manager/Supervisor
- Field Supervisor/PIC
- IH
- Planners

Instructor workshop (04/08/10) to work on consistency and get pictures of dress/PPE for the BWP activity in the instructor-led course.

Section 6.27.1—requested "active learning" be added after hands-on (e.g. hands-on/active learning) in the paragraph starting "Beryllium associated workers' training will include a hands-on element."

6.27.2 Counseling:

CHPRC would like to be responsible for standardizing the Counseling portion of DOE-0342, unless DOE disagrees. CHPRC is in the process of reviewing each company's policies and procedures regarding counseling. Some of the issues to be reviewed/defined in the revision include:

- Parameters of Counseling
- Who will be doing the counseling of affected workers
- How often can the procedure be revised
- What is the process when individuals change contractors
- Feedback from affected workers

Issues With Legacy Components:

In future committee meetings, it was discussed to start mapping out strategies on how to sample legacy components such as old elevators that contain beryllium dust on the mechanical breakers located in the control panel. The committee needs to develop a system process for determining the right answer.

AROUND THE TABLE:**Leo:**

- What are the exemptions for Laboratories? Are they governed under 850 OSHA – Chemical Hygiene Plan? What is the process that the laboratory does versus the facility? DOE thinks it is just everyday work in a lab that is exempt, however, the HSS will address this in the report under Chemical Hygiene Plan.

Mark:

- When intrusive or dust generating work performed only Beryllium workers can go in.

Steve:

- The current CBDPP was developed using the best available information at the time, and based on that information, beryllium affected workers are allowed to perform work activities in beryllium controlled areas provide there is no expectation that they will be exposed to airborne levels of beryllium exceeding .02 micrograms per cubic meter of air based on an 8 hour TWA. However, should new information be developed that indicates that affected workers should not be exposed to any concentration of airborne beryllium, this policy may change and it will change the options for assigning work to beryllium affected workers.

Henry:

- During a building characterization for 100N 425/426, a test registered a 6.11 mg bulk sample. Upon this positive result, an additional 31 bolt samples, 46 wipe samples and 15 air samples were conducted. The 6.11 mg sample was not matched again and the building was declared clean.

Bob L.:

- Will work on a solution in regard to a revision of the BCA contract language.