

## **August 21, 2009 MWEA Laboratory Practice Committee Meeting (LPC)**

**Attending Members:** Angella Breitenbeck, John Parmentier, Amy Vail, Gary De Kock, Carol Injasoulian, Gail Carr

### **Review Good Laboratory Practices (GLP) Presentation:**

- Paragon GLP presentation was a good place to start to determine topics for LPC Workshop (Basic 101 type course for individuals starting out in a lab setting or those who would like additional training resources).
- Need to focus more on the “why” behind GLPs.
- Once a week a topic will be sent to committee members to brainstorm ways to teach in a classroom setting (emphasis on why). The best ideas will be broadcast to committee members for use as a training resource.
- Need visual examples: for example - colored water used with a pipet to show cross contamination into clear water, use sand in water to show how mixing is important when running TSS, put the same volume of water into different types of glassware to show how the actual amount changes depending on the type of glassware used.
- Use control charts instead of equations on slides to demonstrate QC requirements.
- Discuss linear regression but not response factor
- Talk with Jerry later about the best place to hold workshop
- Determine the length of workshop after the content is decided (maybe 3 hour lecture / lunch / 3 hour lab???)

### **Topics for LPC Workshop (emphasis on why):**

- Troubleshooting, when to call for help
- Standard and reagent preparation
- Glassware
- Significant figures and rounding
- Record keeping
- Precision, bias, and accuracy
- Basic laboratory techniques (pipetting, massing, etc)
- Calibrations and linear regression
- Safety
- Ethics
- SOPs
- QA/QC, don't forget about consumables

### **General Discussion:**

1. E-mail 2009 seminar survey findings to committee members
2. Awards coming up
  - PK Sarda Lab Excellence Award
  - WEF Lab Analyst Award
  - Nomination forms on the MWEA website
  - LPC may be able to sponsor a winner (talk to Jerry about budget)
  - Maybe winner could win one night at resort X????
3. 2010 seminar
  - Next keynote, maybe Perry Blake
  - Perry wrote a book “A Bug's-Eye-View of the BOD Test”
  - Next LPC meeting we will begin to explore seminar details

4. Upcoming LPC Committee Meetings

-Sept. 18, 2009 (MWEA office)

-Oct. 16, 2009 (Mary Lenardson host)

-Nov. 20, 2009 (MWEA office)

-Dec. 18, 2009 (TBD)