

Mound / SmartSampling ASTD Planning Meeting

2/1/2000

Participants

Dick Neff, DOE MEMP	Gene Jendrek, BWXT of Ohio
Art Kleinrath, DOE MEMP	John Levoie, BWXT of Ohio
Paul Lucas, DOE MEMP	Joseph Geneczko, BWXT of Ohio
Timothy Fischer, US EPA	Dave Rakel, BWXT of Ohio
Brian Nickel, Ohio EPA	Paul Kaplan, SNL SmartSampling
Kathy Lee Fox, Ohio EPA	Anthony Armstrong, ORNL SmartSampling
Jane O'Dell, Ohio EPA	Chris Rautman, SNL SmartSampling
Anthony Campbell, Ohio EPA	Louise Maffitt, SNL/UNM SmartSampling

After introductions, Paul Kaplan gave a brief overview of the SmartSampling process for newly involved site and regulatory staff members.

Dick Neff requested a review of the milestones and "reforecasted" schedules for the project. The following changes were proposed.

#	Task	Current schedule	Reforecast
FY00-1	Prioritize MEMP PRS	1/3/00	2/15/00
FY00-3	Identify Tech Infrastructure (review site data for appropriateness to training exercises)	2/28/00	Week of 1/31/00 if possible for Chris R. Otherwise will plan Sean McKenna trip.
FY00-4	Format PRS Site Data	2/28/00	4/15/00
FY00-5	Deploy SS Training Program (based on site problem and data set)	3/31/00	Propose week of 6/12/00 with follow on in week of 6/26.

In reference to task FY00-1, sites proposed include:

- PRS 276 - a storage box area contaminated by random disposition
- PRS 266 - a "smear" of dumping
- PRS 407 - area of Bldg. 21, has a large data set, both before and after removal. Could use SS to look at site 'preverification' and compare results.

- PRS 66 - large ravine site with political elements, a 3-D problem (bores have gone down to 90' to reach bedrock).
- "South Property" - a handful of minor PRS spots (not associated with Mound operations), the environmental assessment was that no remediation was required.
- PRS 99/100 - buried actinium tank removal already completed, north corner of PRS 66, edge of Bldg. 29.

Kathy Lee Fox asked about SmartSampling's ability to work with site data developed via two differing analytic techniques. Chris Rautman responded that the process has data transform capabilities to address multiple data sets. This is an issue that is important to the entire complex.

If his work in Akron permits, Chris Rautman will visit Mound on Thursday and Ohio EPA in Dayton on Friday morning to identify technical infrastructure requirements (FY00-3) and review proposed data sets for applicability. Geostatistical libraries and software are to be installed on both DOE and EPA computers (date to be determined later). If Chris is unable to visit the site, arrangements will be made for Sean McKenna to perform this task. Chris Rautman will be on medical leave from mid-February through approximately March 24th.

It has been assumed that the training will take place at Mound, a facility with 15 computer stations. Dick Neff noted that "at least 15" technical staff will be attending the training. BWXT, DOE and EPA will develop the list of personnel to attend the course. Louise will forward the 1997 list of interested technical staff to Kathy Lee Fox for historical reference. A pre-course questionnaire will be distributed to technical students to establish background knowledge levels and determine appropriate instruction format.

SmartSampling technical staff would like to receive the selected PRS data sets (one for exercise development, one for independent analysis by students) in electronic format by 3/1/00. Course exercise development is tentatively scheduled for completion by 4/15/00, but could be delayed by other staff commitments/contingencies.

The proposed structure for the training program closely follows the syllabus developed by site, DOE, EPA and project personnel in May 1997.

First week:

- Day One. First 1/2 day session will introduce managers and technical staff to the process and technology used in SmartSampling. In separate afternoon sessions, technical staff reviews a detailed case study, and management reviews the concepts and principles behind probabilistic decision rules, the economic expression of value, and the collaborative decision framework intrinsic to the SmartSampling process.
- Three days of technical training and exercises.

Second week

- Students use MEMP PRS data set for independent analysis.

Third week

- Day One. Students present results of their analyses for class review and discussion. Training sections on Economic Analyses and Scaling Issues are presented.
- Day Two. Class selects 2 or 3 of the independent analyses and resulting design alternatives. Selections are presented to managers. General discussion.

As part of the training program, the SmartSampling project will conduct meeting(s) for stakeholder groups interested in the project/process in conjunction with scheduled site visits.

SmartSampling staff will provide continuing support to the site, stakeholders and students in the solution to the problem addressed by the course.

It was mentioned that near-term application of SmartSampling to another problem after the course work is completed will enhance training effectiveness and skill sustainability.

The Training synopsis above represents some modification to the syllabus developed in the 1997 workshop. Revisions will be made and the updated Syllabus document will be placed on the SmartSampling/Mound website within the week (go to www.nwer.sandia.gov/sample and click on the Mound icon.)

Draft sections of the training course materials will also be placed on the website. The project welcomes suggestions on any content areas that participants would like emphasized due to the unique character of MEMP/Ohio problems.