Status of Mu2e

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All Experimenter’s Meeting

10 November 2014
Status

• Mu2e achieved CD-3a in June 2014
  – Allowed the purchase of long-lead superconductor

• DOE Independent Cost Estimate/Review completed
  – August 2014
  – ICE civil estimate within 2% of Mu2e estimate
  – ICR of rest of project concluded, “The cost estimate is complete. The level of detail and backup information is impressive.”
  – They didn’t think we needed as much contingency as we were asking for.
Status

• DOE CD-2/3b Review completed
  – 21-24 October
  – Mu2e sought CD-2 to baseline the project
  – Mu2e sought CD-3b for
    • Mu2e experimental hall
    • Coil Modules for Transport Solenoid
  – Committee recommended CD-2/3b after we address several minor issues
    • Should be ready for DOE sign-off before end CY2014
DOE Recommendations

• 28 Recommendations total
  – Need to address 8 of them prior to sign-off
  – I’ll discuss just those 8

• Reword Accelerator KPP
  – Done

• Formally document testing plans for TS prototype module
  – Done (mu2e-doc-4715, 4716)
DOE Recommendations

• Put in place experienced ESH and QA leads
  – Done
    • ESH : Mike Andrews will complement Dee Hahn
    • QA : Jamila Adetunji

• Identify risks transferred to Operations.
  Document formal acceptance of those risks.
  – In Progress. We’re updating documentation. Then we’ll be ready to formalize with Laboratory.
  – How to formalize?
DOE Recommendations

• Include ESH resources in schedule
  – Mu2e schedule already includes ESH resources, but we will revisit to ensure they’re adequate
  – Mike and Dee will participate here

• Update PMP and PEP to more accurately describe Project/ESHQ responsibilities
  – PMP done
  – PEP a DOE document, in progress
DOE Recommendations

• Close last open recommendation from Director’s review
  – In progress
  – Concerns QA, Jamila will address

• Restart Risk Management Board Meetings
  – Done.
  – These have been occurring but have not been formally documented.
  – Held one last Friday, took minutes, posted them.
DOE Recommendations

• Generate more FY2016 milestones
  – Done

• Demonstrate EVMS and Change Control for 2 months
  – In progress, October and November
Summary

• Mu2e has continued making steady progress
  – Achieved CD-3a in June 2014
  – Successfully completed ICE/ICR review August 2014

• Mu2e successfully completed a DOE CD-2/3b review this past October
  – Working to address last few issues prior to seeking DOE sign-off
  – On track to be ready for sign-off by end of 2014
    • Need to understand how to document formal acceptance of operations risks by laboratory
  – Expect to begin site prep work soon