

Fermilab Community Advisory Board July 25, 2019 Meeting Minutes

Members attending: Carrie Garstecki, Jim Gebhardt, Leah Goodman, Gabby Hernandez, Ellen Huxtable, Tony Inglese, Ewa Jodlowska, Denis Kania, Dean Kilburg, Britta McKenna, Ted Mesiacos, Debra Swinden, Jenn Wilson

Fermilab/DOE personnel attending: Rick Hersemann (DOE), Chris Greer, Kim Mazur, Elaine McCluskey, Amber Kenney, Matt Quinn, Kurt Riesselmann

Welcome

Kurt Riesselmann

Presentation linked to agenda

- Fermilab receives approval to construct Integrated Engineering Research Center
- Site prep work for PIP-II accelerator continues
- Fermilab attends advanced manufacturing summit at Oak Ridge National lab
- Award for money-saving way to manufacture accelerator components
- Exhibit by artist in residence Adam Nadel in Fermilab Art Gallery

LBNF / DUNE Update

Elaine McCluskey

Presentation linked to agenda

The LBNF team brought a 3-D model to the meeting that was printed at Fermilab showing what will be constructed on the Fermilab site: LBNF beamline tunnel, steel pipe with concrete around it for shielding, underground cavern with DUNE near detector. Construction will include building an embankment ("hill") on Fermilab site to aim beam to South Dakota at fairly steep angle. Elaine McCluskey talked in detail about the LBNF site prep work that is planned to be carried out from fall 2019 to approximately the end of 2020.

Discussion:

There was discussion about the construction that will occur on the lab property in the future. With regard to informing nearby neighbors, the board advised to wait until there are scheduled dates for construction start or it will raise undue concern and uncertainty. Let the neighbors know when things are happening so it can be anticipated but do not jump the gun, wait until more concrete schedule is available. But give neighbors enough time to feel comfortable.

For the LBNF prep work, the CAB felt there is no need to hold an in-person informational meeting. But when the actual construction starts and there will be digging near Kirk Road, neighbors should be informed by letter and invited to an in-person meeting. To reach out to nearby neighbors, CAB members suggested using door hangers, holding an open house, big sign with URL, and use of social media (not just lab page but local pages). Also send information to all council meetings so they can share, get information in papers. Consider reaching out to Aurora, and take advantage of BATV broadcasts. Be sure to address concerns about wildlife. Share teaching with local schools. Kurt proposed written communication at this stage, and then when approaching the 2023-2024 construction near Kirk Road send out letters and invite people to in person meetings. The advisory board agreed this was a good strategy.

Tritium Management

Chris Greer

Presentation linked to agenda

Chris Greer presented how Fermilab monitors low levels of tritium found at Fermilab, a byproduct of particle accelerator operations at Fermilab, and the measures Fermilab has taken and will continue to take to keep the levels of tritium well below regulatory limits.

Discussion:

Members of the board indicated the lab is doing a tremendous job anticipating and monitoring any potential for the production of low levels of tritium due to our particle accelerator operations. They don't think general citizens are too concerned, as the lab is so far below regulatory standards. They found the lab's installation of a berm cover to reduce the possibility of tritium production at the Booster target impressive.

News from the Community

Arlene Hawks noted SciTech is developing a plan for redoing all their exhibits. SciTech was founded by Fermilab scientists.