



**Department of Energy**  
Office of Science  
Washington, DC 20585

December 8, 2021

Dr. Nigel Lockyer  
Director  
Fermi National Accelerator Laboratory  
Fermi Research Alliance, LLC  
P.O. Box 500, MS#105  
Batavia, Illinois 60510

Dear Dr. Lockyer:

It is a pleasure to inform you that the Fermi Research Alliance, LLC (FRA) at the Department of Energy (DOE) Fermi National Accelerator Laboratory (FNAL) has successfully completed the DOE Earned Value Management System (EVMS) Acceptance Review process. As a result of the independent surveillance review conducted and the corrective actions taken by FRA-FNAL, it has been determined that the EVMS continues to meet the requirements of the Electrical Industries Alliance (EIA)-748.

To verify EVMS compliance, an independent surveillance/EVMS review was conducted at FNAL during the week of May 25-27, 2021 (via ZOOM due to the COVID-19 pandemic) to determine if the FRA-FNAL EVMS met the EIA requirements. During the review, the surveillance review committee identified four Corrective Action Requests (CARs) and nine Continuous Improvement Opportunities (CIOs/CIOs\*):

*Corrective Action Requests (CARs)*

- |        |   |
|--------|---|
| CAR-01 | Earned Value on Activities without Quantifiable Backup Data (Guideline (GL)-07) |
| CAR-02 | Updated Baseline Change Request Documentation Lagging (GL-28)                   |
| CAR-03 | Unauthorized Changes (GL-31)  |
| CAR-04 | Timing of Variance Analysis Report Approvals (GL-25)                            |

*Continuous Improvement Opportunities (CIOs\*/CIOs)*

- |         |   |
|---------|---|
| CIO-01  | Training (GL-03)  |
| CIO-02* | Proton Improvement Plan II (PIP-II) Use of Fixed Estimate at Completion (GL-27) |
| CIO-03* | Freeze Period Changes (GL-31)   |
| CIO-04* | Baseline Change Request Approvals (GL-28)                                       |
| CIO-05  | Change Control Log Details (GL-32)  |
| CIO-06* | PIP-II Baseline Change Request Log (GL-32)                                      |

CIO-07 High Luminosity-LHC Accelerator Upgrade Project (HL-LHC AUP)  
Owner Documentation of Baseline Change Requests (GL-32)  
CIO-08\* Work Authorization Documents (GL-05)  
COI-09\* PIP-II Performance Measurement Techniques (GL-07)

\*CIOs are not strict requirements but would improve the EVMS system and require a corrective action plan.

FRA-FNAL provided a Corrective Action Plan dated August 10, 2021, to address the CARs, CIOs, and CIO\*s. The actions proposed and undertaken by FRA-FNAL in the Corrective Action Plan are acceptable.

OPA urges you to continue to maintain the high level of compliance that your staff demonstrated to the EVMS Review Committee during the acceptance review process to ensure continuing EIA compliance and valid EVMS certification.

Sincerely,

Kurt W. Fisher  
Director  
Office of Project Assessment

cc:

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