

Amber M. Kenney  
Chief Safety Officer

**ES&H Section**  
P.O. Box 500, MS 119  
Kirk Road and Pine Street  
Batavia, Illinois 60510-5011  
USA  
Office: 630.840.3511  
[tamber@fnal.gov](mailto:tamber@fnal.gov)

**Date:** May 22, 2019  
**To:** Kate Gregory, Chief Operating Officer  
**From:** Amber Kenney   
**Re:** FESHM 9190 – GROUNDING REQUIREMENTS FOR ELECTRICAL  
DISTRIBUTION AND UTILIZATION EQUIPMENT

---

This chapter has been updated as detailed below and sent for labwide review:

FESHM 9190 – Grounding Requirements for Electrical Distribution and Utilization Equipment:

- Five-year review. Updated to current FESHM format template, 2017 NEC, and included design manual requirement to include equipment grounding conductors in all feeder and branch circuits operating under 600 volts, and other editorial and typographic revisions.

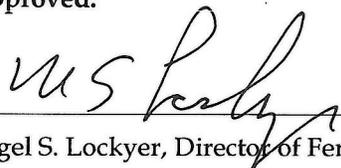
All comments received during the review period have been addressed by Subject Matter Experts and the updated chapter is ready for approval and release.

The chapter has been sent to you and Lisa Vega electronically. If a paper copy is required, you may either print one out or contact Lisa and she will provide one to you. After Directorate approval, please return this approval page to Kristy Gibson at MS119 for posting.

**Recommended for Approval:**

  
\_\_\_\_\_  
Katherine L. Gregory, Chief Operating Officer . Date 5/28/19

**Approved:**

  
\_\_\_\_\_  
Nigel S. Lockyer, Director of Fermilab . Date 5/29/19