



## Department of Energy

Fermi Site Office  
Post Office Box 2000  
Batavia, Illinois 60510

APR 20 2012

Dr. Bruce L. Chrisman  
Chief Operating Officer  
Fermilab  
P.O. Box 500  
Batavia, IL 60510

Dear Dr. Chrisman:

**SUBJECT: CROSSWALK BETWEEN DOE O 458.1 REQUIREMENTS, AND FERMILAB'S ENVIRONMENT, SAFETY, AND HEALTH PROGRAM**

- References:
- 1) Letter, from B. Chrisman to M. Weis, dated February 28, 2012, Subject: Same As Above
  - 2) DOE Order 458.1 Chg 2, June 6, 2011, "Radiation Protection of the Public and the Environment"

Thank you for sending the subject crosswalk transmitted to us as referenced above. This revision adequately addresses informal comments provided to you by my staff.

DOE will follow the progress of Corrective Actions given in the Laboratory's Crosswalk of DOE O 458.1, Change 2. It is our understanding that these actions will be completed by the end of calendar year 2012. If you have any questions, please contact Berline Short or Dennis Parzyck at extension 4197 or 2449, respectively.

Sincerely,

A handwritten signature in black ink, appearing to read "M. Weis".

Michael J. Weis  
Site Manager

Enclosure:  
As Stated

cc: P. Oddone, w/o encl.  
Y. - K. Kim, w/o encl.  
N. Grossman, w/encl.  
D. Cossairt, w/encl.

Enclosure

Crosswalk between DOE O 458.1, Requirements, and Fermilab's ES&H Program	
Requirements	Proposed Corrective Actions
4.e(1)(a)2, Compliance may be demonstrated by calculating dose to the representative person or to the maximally exposed individual (MEI).	Fermilab Radiological Control Manual, Chapter 11, will be revised during CY 2012 to clarify Fermilab's choice of "representative person" or "maximally exposed individual" and explicitly incorporate the provisions of this subsection of the Order pertaining to collective dose calculations.
4.f.(3), Airborne radioactive effluents meet compliance agreements; 4.g.(8)(a)3, Control and management of radionuclides from DOE activities in liquid discharges; and 4.h., Radioactive waste, except for transportation.	Several of the 8000 series of Chapters in the Fermilab ES&H Manual will be revised during CY 2012 to incorporate the new radiation protection dosimetry system, e.g., 8025 "Wastewater Discharge to Sanitary Sewers", 8080 "Air Emissions Control Program", etc.
4.g.(8)(a)6, Control and management of radionuclides from DOE activities in liquid discharges	Fermilab will coordinate with DOE-FSO the development of a protocol for notifying operators of sewage treatment facilities that receive Fermilab sanitary discharges to inform them of DOE practices and processes to monitor and control radiological discharges to sewers.
4.j(2)(a), Demonstrate protection of biota	A pathway analysis of the impact on biota will be performed and documented using DOE-STD-1153-2002 as a guide.