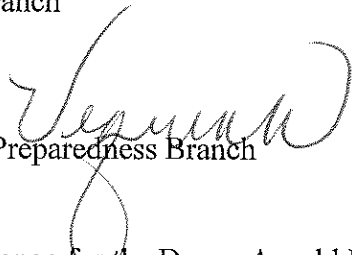




FEMA

August 11, 2016

MEMORANDUM FOR: Chuck Gregg, Chief
Technological Hazards Branch
FEMA Region VII

FROM: Vanessa E. Quinn, Chief 
Radiological Emergency Preparedness Branch
FEMA Headquarters

SUBJECT: Approval of Boundary Change for the Duane Arnold Energy Center
10-mile Emergency Planning Zone (EPZ) for Linn County, Iowa

This is in response to your memorandum and recommendation dated July 14, 2016 requesting FEMA Headquarters' review and approval of the State of Iowa's boundary change for the Linn County portion of the 10-mile Emergency Planning Zone (EPZ) for Duane Arnold Energy Center (DAEC). This proposed boundary change is to address the history of the EPZ expanding southward across Highway 30 as the City of Cedar Rapids expanded. It is our understanding that this request has been coordinated with the licensee NextEra Energy Resources and the Iowa Homeland Security and Emergency Management Department (HSEMD).

FEMA Headquarters understands that Linn County in coordination with DAEC and HSEMD solicited and garnered formal support from the City of Cedar Rapids, local industry, Kirkwood Community College, and the local school district for the proposed EPZ boundary change. The proposed boundary change involves subarea 24 of the 10-mile EPZ in Linn County. A KLD Engineering, PC evacuation time estimate determined the boundary change would result in a decrease of 17,301 people in the EPZ. This decrease in population results in 9,116 fewer evacuating vehicles evacuating the area. The decrease in population and fewer evacuating vehicles would result in a decrease in the evacuation time estimate of 25 to 40 minutes.

In accordance with the Radiological Emergency Preparedness (REP) Program Manual, Part IV, Section K (January 2016), FEMA Headquarters' approval is contingent upon two actions:

1. That licensee NextEra Energy Resources receive approval for the proposed revisions to the EPZ for the Duane Arnold Energy Center Emergency Plan from the U.S. Nuclear Regulatory Commission (NRC), in accordance with all applicable NRC regulations and procedures.
2. Once received, the offsite response organizations surrounding the Duane Arnold Energy Center site submit for review to FEMA Region VII the appropriate changes to their plans/procedures, maps of the EPZ, public information material, and affect that the addition or subtraction of population from the EPZ has on the evacuation time

estimates. The required information would include changes to the geographical boundary descriptions and the alert and notification system (ANS), including additional sirens or other means for public notification. Any modifications to an ANS must be consistent with the REP Program Manual, January 2016.

If you have any questions regarding this matter, please feel free to contact Vanessa E. Quinn, at (202) 646-2849, or via email at Vanessa.quinn@fema.dhs.gov.

cc: Vanessa E. Quinn, Chief, Radiological Emergency Preparedness Program
Lisa Hamilton, FEMA HQ
Joseph Anderson, NRC HQ