

RECORD OF CATEGORICAL EXCLUSION (CX) DETERMINATION¹

National Nuclear Security Administration/Kansas City Site Office

A. Description of Proposed Action: (1 or 2 sentences; include title, general activities, location, timeframe)

Kansas City Plant- **Electron Beam Melting - NCR KCPI2-02:** A new metal based additive manufacturing process is being implemented within KCP known as Electron Beam Melting (EBM). Equipment allows for parts to be built through selectively melting powder metal. September 2012 thru June 2039.

B. Number and Title of the Categorical Exclusion Being Applied: (See text in 10 CFR 1021, Subpart D.)

This activity falls with the scope of activities discussed for the Kansas City Plant in both the Final Programmatic Environmental Impact Statement for Stockpile Stewardship and Management of September 1996 and the Environmental Assessment for the Modernization of Facilities and Infrastructure for the Non-Nuclear Production Activities Conducted at the Kansas City Plant.

C. Regulatory Requirements in 10 CFR 1021.410 (b): (See full text in regulation.)

(1) The proposed action fits within a class of actions that is listed in Appendix A or B to Subpart D.

For classes of actions listed in Appendix B, the following conditions are integral elements; i.e., to fit within a class, the proposal must not:

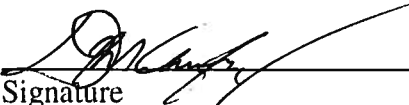
- (1) Threaten a violation of applicable statutory, regulatory, or permit requirements for environment, safety, and health, or similar requirements of DOE or Executive Orders;
- (2) Require siting, construction, or major expansion of waste storage, disposal, recovery, or treatment facilities, but may include such categorically excluded facilities;
- (3) Disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that pre-exist in the environment such that there would be uncontrolled or unpermitted releases;
- (4) Have the potential to cause significant impacts on environmentally sensitive resources (including but not limited to those listed in paragraph B.(4))²; or
- (5) Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species, unless the proposed activity would be contained or confined in a manner designed and operated to prevent unauthorized release into the environment.

(2) There are no extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal; and

(3) The proposal has not been segmented to meet the definition of a categorical exclusion, the proposal is not "connected" to other actions with potentially significant impacts, is not related to other actions with individually insignificant but cumulatively significant impacts, and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

D. Determination:

Based on my review of information conveyed to me and in my possession (or attached) concerning the proposed action, as NEPA Compliance Officer (as authorized under DOE Order 451.1A), I have determined that the proposed action fits within the specified class of actions, the other regulatory requirements set forth above are met, and the proposed action is hereby categorically excluded from further NEPA review.



Signature

NEPA Compliance Officer
Kansas City Site Office

10/30/2012

Date

¹May be incorporated in its entirety into other environmental review records.

²All reviews and discussions supporting the "not cause significant impacts" determination have been completed.