

## Update/Sign PMC-ND NEPA Determination Form

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<b>Recipient:</b>		<b>State:</b>	
<input type="text" value="Modine Manufacturing Company"/>		<input type="text" value="WI"/> <input type="button" value="v"/>	
<b>Project Title:</b>		<b>Project Officer /COR</b>	
<input type="text" value="Accelerate Domestic Manufacturing of High-efficiency Electric Heat Pumps"/>		<input type="text" value="Belcher, Bradley"/> <input type="button" value="v"/>	
<b>Funding Opportunity Announcement No</b>	<b>Procurement Instrument No</b>	<b>NEPA Control No</b>	<b>CID</b>
<input type="text" value="DE-FOA-0002987"/>	<input type="text" value="DE-MS0000098"/>	<input type="text"/>	<input type="text" value="0"/> <input type="button" value="v"/>

**Based on my review of the information concerning the proposed action, as NEPA Compliance Officer (authorized under DOE Policy 451.1), I have made the following determination:**

**CX, EA, EIS Category** ([View Category Descriptions](#)) Add a New CX, EA, EIS Category

**Appendix and Number**

**A9 Information gathering, analysis, and dissemination**    
 Information gathering (including, but not limited to, literature surveys, inventories, site visits, and audits), data analysis (including, but not limited to, computer modeling), document preparation (including, but not limited to, conceptual design, feasibility studies, and analytical energy supply and demand studies), and information dissemination (including, but not limited to, document publication and distribution, and classroom training and informational programs), but not including site characterization or environmental monitoring. (See also B3.1 of appendix B to this subpart.)

**B3.6 Small-scale research and development, laboratory operations, and pilot projects**    
 Siting, construction, modification, operation, and decommissioning of facilities for smallscale research and development projects; conventional laboratory operations (such as preparation of chemical standards and sample analysis); and small-scale pilot projects (generally less than 2 years) frequently conducted to verify a concept before demonstration actions, provided that construction or modification would be within or contiguous to a previously disturbed or developed area (where active utilities and currently used roads are readily accessible). Not included in this category are demonstration actions, meaning actions that are undertaken at a scale to show whether a technology would be viable on a larger scale and suitable for commercial deployment.

**B2.5 Facility safety and environmental improvements**    
 Safety and environmental improvements of a facility (including, but not limited to, replacement and upgrade of facility components) that do not result in a significant change in the expected useful life, design capacity, or function of the facility and during which operations may be suspended and then resumed. Improvements include, but are not limited to, replacement/upgrade of control valves, in-core monitoring devices, facility air filtration systems, or substation transformers or capacitors; addition of structural bracing to meet earthquake standards and/or sustain high wind loading; and replacement of aboveground or belowground tanks and related piping, provided that there is no evidence of leakage, based on testing in accordance with applicable requirements (such as 40 CFR part 265, "Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities" and 40 CFR part 280, "Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks"). These actions do not include rebuilding or modifying substantial portions of a facility (such as replacing a reactor vessel).

**B1.3 Routine maintenance**    
 Routine maintenance activities and custodial services for buildings, structures, rights-of-way, infrastructures (including, but not limited to, pathways, roads, and railroads), vehicles and equipment, and localized vegetation and pest control, during which operations may be suspended and resumed, provided that the activities would be conducted in a manner in accordance with applicable requirements. Custodial services are activities to preserve facility appearance, working conditions, and sanitation (such as cleaning, window washing, lawn mowing, trash collection, painting, and snow removal). Routine maintenance activities, corrective (that is, repair), preventive, and predictive, are required to maintain and preserve buildings, structures, infrastructures, and equipment in a condition suitable for a facility to be used for its designated purpose. Such maintenance may occur as a result of severe weather (such as hurricanes, floods, and tornados), wildfires, and other such events. Routine maintenance may result in replacement to the extent that replacement is in-kind and is not a substantial upgrade or improvement. In-kind replacement includes installation of new components to replace outmoded components, provided that the replacement does not result in a significant change in the expected useful life, design capacity, or function of the facility. Routine maintenance does not include replacement of a major component that significantly extends the originally intended useful life of a facility (for example, it does not include the replacement of a reactor vessel near the end of its useful life). Routine maintenance activities include, but are not limited to: (a) Repair or replacement of facility equipment, such as lathes, mills, pumps, and presses; (b) Door and window repair or replacement; (c) Wall, ceiling, or floor repair or replacement; (d) Reroofing; (e) Plumbing, electrical utility, lighting, and telephone service repair or replacement; (f) Routine replacement of high-efficiency particulate air filters; (g) Inspection and/or treatment of currently installed utility poles; (h) Repair of road embankments; (i) Repair or replacement of fire protection sprinkler systems; (j) Road and parking area resurfacing, including construction of temporary access to facilitate resurfacing, and scraping and grading of unpaved surfaces; (k) Erosion control and soil stabilization measures (such as reseeding, gabions, grading, and revegetation); (l) Surveillance and maintenance of surplus

facilities in accordance with DOE Order 435.1, "Radioactive Waste Management," or its successor; (m) Repair and maintenance of transmission facilities, such as replacement of conductors of the same nominal voltage, poles, circuit breakers, transformers, capacitors, crossarms, insulators, and downed powerlines, in accordance, where appropriate, with 40 CFR part 761 (Polychlorinated Biphenyls Manufacturing, Processing, Distribution in Commerce, and Use Prohibitions) or its successor; (n) Routine testing and calibration of facility components, subsystems, or portable equipment (such as control valves, in-core monitoring devices, transformers, capacitors, monitoring wells, lysimeters, weather stations, and flumes); (o) Routine decontamination of the surfaces of equipment, rooms, hot cells, or other interior surfaces of buildings (by such activities as wiping with rags, using strippable latex, and minor vacuuming), and removal of contaminated intact equipment and other material (not including spent nuclear fuel or special nuclear material in nuclear reactors); and (p) Removal of debris.



**B1.31 Installation or relocation of machinery and equipment**

Installation or relocation and operation of machinery and equipment (including, but not limited to, laboratory equipment, electronic hardware, manufacturing machinery, maintenance equipment, and health and safety equipment), provided that uses of the installed or relocated items are consistent with the general missions of the receiving structure. Covered actions include modifications to an existing building, within or contiguous to a previously disturbed or developed area, that are necessary for equipment installation and relocation. Such modifications would not appreciably increase the footprint or height of the existing building or have the potential to cause significant changes to the type and magnitude of environmental impacts.

**Rationale for Determination:**

**NEPA Provision (SELECT FROM THE FOLLOWING OPTIONS)**

<input type="checkbox"/>	DOE has made a final NEPA determination.
<input checked="" type="checkbox"/>	DOE has made a conditional NEPA determination.  The NEPA Determination applies to the following Topic Areas, Budget Periods, and/or tasks: <div style="border: 1px solid #ccc; padding: 2px; margin: 5px 0;">Task 0.0, Task 0.1, Task 1.1, and Task 1.2.</div> The NEPA Determination does <u>not</u> apply to the following Topic Area, Budget Periods, and/or tasks: <div style="border: 1px solid #ccc; padding: 2px; margin: 5px 0;">Task 1.3, Budget Period 2, Budget Period 3, and Budget Period 4.</div>
<input checked="" type="checkbox"/>	Include the following condition in the financial assistance agreement:  <div style="margin-left: 20px;"> <input type="checkbox"/> Any work proposed to be conducted at a federal facility may be subject to additional NEPA review by the cognizant federal official and must meet the applicable health and safety requirements of the facility.                 </div> <div style="margin-left: 20px; margin-top: 10px;"> <input checked="" type="checkbox"/> This CX only authorizes Tasks 0.0, 0.1, 1.1, and 1.2. This CX also only authorizes work within those tasks at the West Kingston, RI and Racine, WI locations. No work at proposed Longview, TX facilities are authorized. Additional NEPA reviews will be required prior to the authorization of these excluded tasks and locations.                 </div>
<input type="checkbox"/>	Notes:  <div style="border: 1px solid #ccc; height: 40px; width: 100%;"></div>

**FOR CATEGORICAL EXCLUSION DETERMINATIONS – Select all that apply**

The proposed action (or the part of the proposal defined in the Rationale above) fits within a class

- of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D. To fit within the classes of actions listed in 10 CFR Part 1021, Subpart D, Appendix B, a proposal must be one that would 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 and construction or major expansion of waste storage, disposal, recovery, or treatment facilities (including incinerators), but the proposal may include categorically excluded waste storage, disposal, recovery, or treatment actions or facilities; (3) disturb hazardous substances, pollutants, contaminants, or CERCLA-excluded petroleum and natural gas products that preexist 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) of 10 CFR Part 1021, Subpart D, Appendix B; (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 and conducted in accordance with applicable requirements, such as those listed in paragraph B(5) of 10 CFR Part 1021, Subpart D, Appendix B.
- There are no extraordinary circumstances related to the proposed action that may affect the significance of the environmental effects of the proposal.
- The proposed action has not been segmented to meet the definition of a categorical exclusion. This proposal is not connected to other actions with potentially significant impacts (40 CFR 1508.25(a)(1)), is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1508.27(b)(7)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211 concerning limitations on actions during preparation of an environmental impact statement.
- DOE has determined that work to be carried out outside of the United States, its territories and possessions is exempt from further review pursuant to Section 5.1.1 of the DOE Final Guidelines for Implementation of Executive Order 12114; "Environmental Effects Abroad of Major Federal Actions."
- The proposed action is categorically excluded from further NEPA review.
- A portion of the proposed action is categorically excluded from further NEPA review. The NEPA Provision identifies Topic Areas, Budget Periods, tasks, and/or subtasks that are subject to additional NEPA review."

#### **FOR ENVIRONMENTAL ASSESSMENT OR ENVIRONMENTAL IMPACT STATEMENT**

##### **DETERMINATIONS – Select all that apply:**

- The proposed action does not fit within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D.
- The proposed action fits within a class of actions that is listed in Appendix A or B to 10 CFR Part 1021, Subpart D, but there are extraordinary circumstances related to the proposal that may affect the significance of the environmental effects of the proposal.
- DOE shall prepare an Environmental Assessment (EA) and, on the basis of that EA, determine whether to prepare an Environmental Impact Statement (EIS) or a Finding of No Significant Impact.
- DOE shall prepare an EIS and Record of Decision.
- The following tasks constitute allowable interim actions, per 40 CFR 1506.1 and 10 CFR 1021.211:

**FIELD OFFICE MANAGER DETERMINATION**

- Field Office Manager review not required.
- Field Office Manager review required.

**NCO requests the Field Office Manager review for the following reason:**

- The proposed action fits within a categorical exclusion but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- The proposed action requires completion of an Environmental Assessment but involves a high profile or controversial issue that warrants Field Office Manager's attention.
- The proposed action requires completion of an Environmental Impact Statement and therefore requires Field Office Manager's review and determination.

**Based on my review I concur with the determination of the NCO:  
SIGNATURE OF THIS MEMORANDUM CONSTITUTES A RECORD OF THIS DECISION.**

**NEPA Compliance Officer Electronic Signature:**

Mark this ND as signed by:

**Signature Dates** (if you would like the dates to be printed, please select a date)

NCO's Signature Date:

Field Office Manager's Signature Date:

**ND has been successfully signed, you should receive confirmation shortly**