

RECORD OF CATEGORICAL EXCLUSION DETERMINATION

Project ID No.: BM-MM-674A

Title: BM Site Building Upgrades (Phase 3) - HVAC

Description: The contractor shall furnish of labor, tools, equipment, materials, consumables, services, transportation, storage, and supervision necessary to perform the necessary tasks.

The work includes the following:

Building 201 - Demolish existing A/C foundations and bollards for units CU-3, CU-4, and CU-1. Demolish pavement in this area as required for installation of new foundations. The contractor shall install two (2) new A/C foundations. Install a new 40-ton Trane model TCH480B4 or approved equal packaged air conditioning unit with an electric duct heater. Match existing grade and slope area to provide drainage away from building and to ensure water does not pond behind new HVAC foundations. The Contractor shall install structural steel supports for HVAC, both exterior and interior. Install 6" diameter, galvanized, S/40 steel bollards surrounding new HVAC units. After installation, provide and install yellow, high density polyethylene, bollard sleeves, Ideal Shield Bollard Cover or equal.

Building 202 - Demolish air handling system CCUC-19, a packaged air conditioning unit mounted on wood beams on grade. Remove piping and minimal ductwork routed from the air handler to the exterior wall. Install a new 25-ton packaged air conditioning system with electric heat in the existing location on a concrete pad sized according to new unit requirements. Route new supply and return air ductwork from the air handler and connect to the existing ductwork tie-in connections at the exterior wall. Demolish wall-mount packaged heat pump unit, CCUC-35, and replace in-kind.

Building 210 – Demolish air handling unit (AC-5) and condensing unit (CU-5). Remove refrigerant piping, wiring, and minimal ductwork located in the mechanical room. Install a new 10-ton air conditioning/heat pump system with auxiliary electric heat. Remove the existing ceiling supply air diffusers and replace them with new diffusers of similar style, capacity, and size. All existing controls systems shall be removed and replaced.

Building 244 – Demolish air handling system CCUC-11 which includes an air handler (AHU-2) and a condensing unit (ACCU-2). Demolish air handling system CCUC-12 which includes an air handler (AHU 1) and a condensing unit (ACCU-1). Install a new 12.5-ton DX air handling system with electric heat. The air handling unit shall be installed in the mechanical room on the existing pad. Remove the existing ceiling supply air diffusers and replace them with new diffusers of similar style, capacity, and size. All current controls systems shall be removed and replaced.

Regulatory Requirements National Environmental Policy Act (NEPA) Implementing Procedures (10 Code of Federal Regulations (CFR) 1021)

10 CFR 1021.410 (Application of Categorical Exclusions)

(a) The actions listed in Appendices A and B of Subpart D are classes of actions that Department of Energy (DOE) has determined do not individually or cumulatively have a significant effect on the human environment (categorical exclusions).

(b) To find that a proposal is categorically excluded, DOE shall determine the following:

- (1) The proposed action fits within a class of actions that is listed in Appendix A or B of Subpart D;
- (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 is not "connected" (40 CFR 1508.25(a)(1)) to other actions with potentially significant impact, is not related to other proposed actions with cumulatively significant impacts (40 CFR 1508.25(a)(2)), and is not precluded by 40 CFR 1506.1 or 10 CFR 1021.211.

Appendix B (Categorical Exclusions Applicable to Specific Agency Actions)

The proposed action must not:

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1. Threaten a violation of statutory, regulatory, or permit requirements for environment, safety, and health, including requirements of DOE and/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 Comprehensive Environmental Response, Compensation and Liability Act (CERCLA)-excluded petroleum and natural gas products that preexist in the environment such that would be uncontrolled or un-permitted releases;
4. Have the potential to cause significant impacts on environmentally sensitive resources, which includes (i) property (sites, buildings, structures, and objects) of historical, archeological, or architectural significance; (ii) federally-listed and state-listed threatened or endangered species or their habitat, federally-protected marine mammals and essential fish habitat and otherwise federally-protected species; (iii) floodplains and wetlands; (iv) federally and state designated areas (wilderness areas, national parks, national monuments, national natural landmarks, wild and scenic rivers, wildlife refuges, scenic areas, and marine sanctuaries); (v) prime or unique farmland; (vi) special sources of water (sole-source aquifers, wellhead protection areas, and other vital water resources); and (vii) tundra, coral reefs, or rain forests); or
5. Involve genetically engineered organisms, synthetic biology, governmentally designated noxious weeds, or invasive species.

NEPA Preparer: Matthew Dubuc

Creation Date: 06/30/2021

Environmental Analysis: (mark all environmental aspects that are applicable to this project)

Air Emissions	X	Environmental Monitoring		Fire	
Green Procurement	X	Project Design		Waste	X
Spills/Releases	X	Cavern Integrity		Discharges	
Energy Use		Natural Resource Conservation		Water Use	
Transportation		Chemical Use/Selection	X	Public Involvement	
Sustainable Building	X	Electronic Stewardship		Wetlands Permitting	
Clean Water		Pollution Prevention			

Categorical Exclusion (CX) Determination

NEPA review suggests this project is a Categorical Exclusion. This suggestion is based on review of the project description. If there are changes in the scope of this project additional NEPA review may be required.

CX to be applied B1.3

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).

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CX to be applied B1.4

Installation or modification of air conditioning systems required for temperature control for operation of existing equipment.

NEPA Approval

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

Approved By

DOE NEPA Compliance Officer

Stephen Reese

NEPA Review Summary

Created By:	Dubuc, Matthew
Date NEPA Review Initiated:	6/30/2021
Type of NEPA Review:	Type B
Project ID Number:	BM-MM-674A
Title:	BM Site Building Upgrades (Phase 3) - HVAC
Workflow Status:	Approved

If Workflow Status is Rejected, see below for Reason:

Concurrence Details:

Auger, Jennifer 7/6/2021
FFPO Environmental Concurrence Compliance Date
(not required for Type A-DOE Only Record of NEPA Review or Type B-DOE Only Record of Categorical Exclusion Determination)

Crosby, Thomas 6/30/2021
SPR Derivative Classifier Compliance Date
(only required for Type B)

Woods, Will 7/6/2021
DOE ES&H Director (or Acting) Compliance Date
(only required for Type B & Type A-DOE Only Record of NEPA Review)

Reese, Stephen 7/8/2021
DOE NEPA Compliance Officer (or Acting) Compliance Date

ALL SIGNATURES WERE CAPTURED VIA THE ELECTRONIC WORKFLOW SYSTEM.

Click on the following Link to view the associated NEPA Document:

https://myspr.spr.doe.gov/sites/sprworkflow/nepa/NEPA_Uploaded_Documents/BM-MM-674A_NEPA_CX.docx, NEPA Doc Link