DOE-ID NEPA CX DETERMINATION
Idaho National Laboratory

CX Posting No.: DOE-ID-INL-23-023

SECTION A. Project Title: MFC-781 Loading Dock Modification

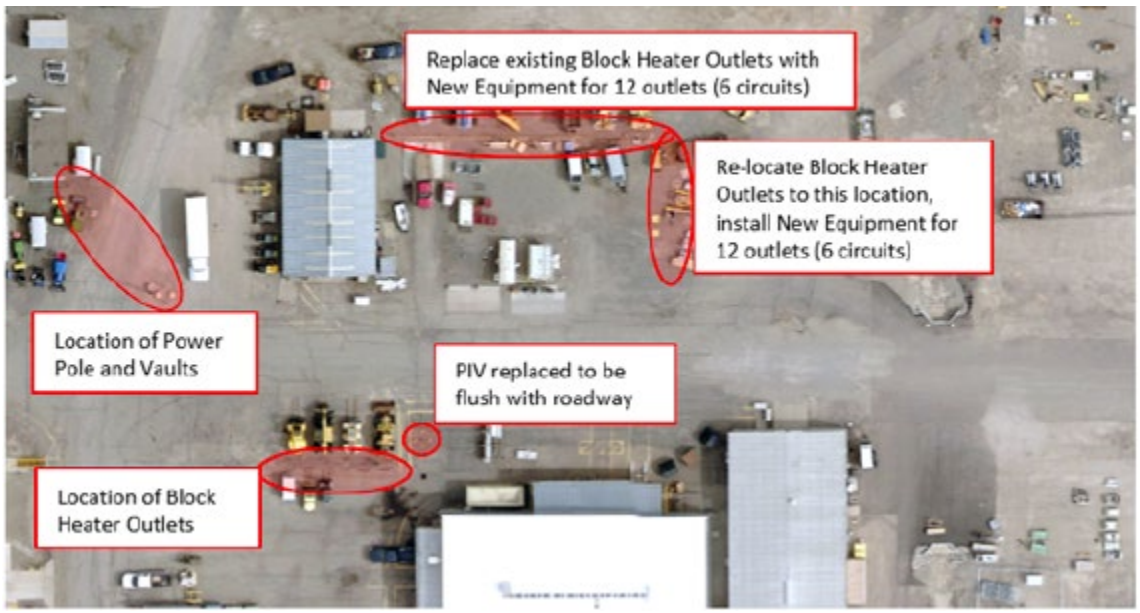
SECTION B. Project Description and Purpose:

The loading dock for the existing MFC warehouse (MFC-781) is configured such that trucks are parked in a north south orientation, blocking the roadway in front of the building. This configuration makes it difficult for the large trucks to maneuver into the dock parking and results in congestion and blocks the flow of traffic on the road in front of the docks. With establishment in FY21 of the East Gate at MFC as the primary access point for in-plant vehicle access, the road in front of MFC-781 now serves as the primary ingress/egress roadway for MFC with an average of 125 vehicles accessing the facility daily. The existing configuration of the MFC-781 loading dock creates not only a logistical issue with flow of traffic, but also presents a safety hazard for personnel support operations at the warehouse as well as personnel accessing MFC. With continued growth and construction activities at MFC, it is anticipated that the impacts of the current loading dock configuration will continue to increase. Additionally, the grading of the existing dock configuration results in drainage running directly into the dock parking spaces, creating muddy/icy conditions that represent further hazards to employees. This funding will address the layout of the existing warehouse dock and other site concerns, such as drainage. It will create a more functional approach path and dock parking area. The new east west dock layout will allow large trucks to maneuver into the dock, unload their deliveries, and not block traffic. In addition to supporting continued, safe operations of the MFC warehouse over the near-term, re-configuration of the dock will support future utilization of the facility in support of fabrication operations should a new warehouse be established as envisioned at MFC. Thus, enabling effective investment in MFC core capabilities over time.

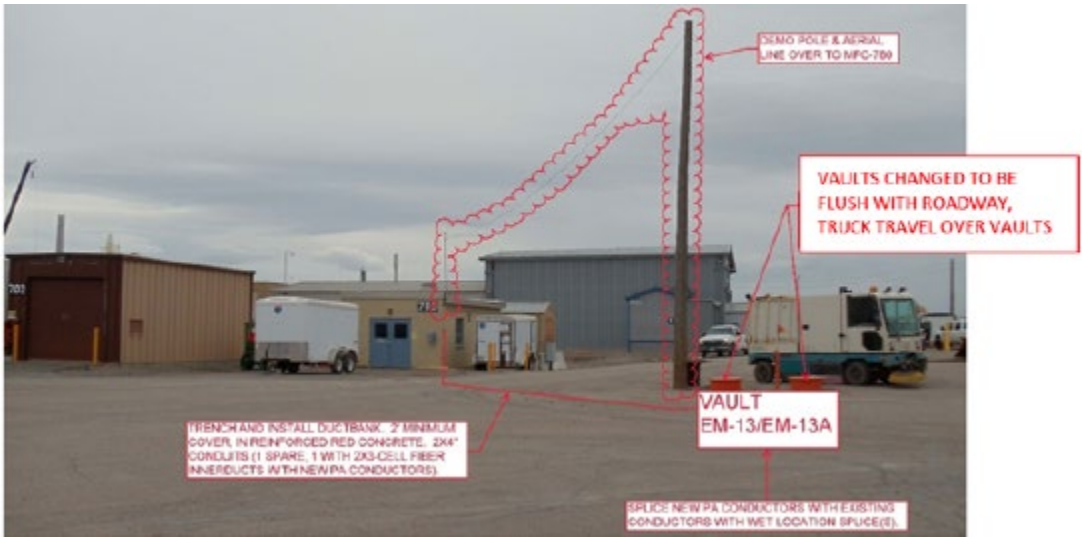
Work includes: Demolish and remove the existing loading dock from the north side of building MFC-781. Demolition will include removal of the steel canopy structure, downspouts, removal of storage racks located on the dock, removal of stairs, dock levelers, and concrete dock. Additionally, a power pole with aerial line will be removed and the aerial line re-routed below ground. The power outlets for equipment block heaters located adjacent to MFC-781 will be removed and re-used in locations near MFC-781. PIV (FS-20) will be changed to be a gate valve, valve box with lid, and removable tee handle per NFPA 24. The two large roll-up doors will be replaced with new roll-up doors of the same size. Asphalt surrounding the concrete dock will be removed to allow enlargement of the dock and canopy (approx. 50 ft N/S by 116 ft E/W). The existing drainage inlet shown in the photo below will be relocated outside of the new dock footprint. The remaining MFC-781 structure will need to be protected from damage during construction activities. The moveable storage container and rack located near the northwest corner of MFC-781 will be relocated by BEA personnel prior to construction start.

MFC-781 North End of Building

Drainage Inlet in Middle of Dock

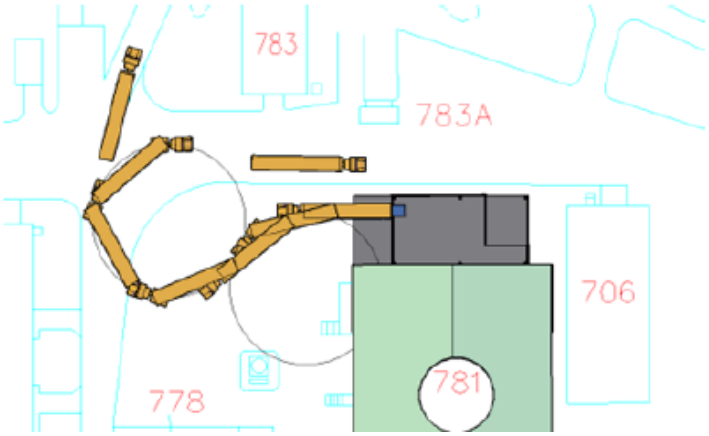


Overhead View of the MFC-781 North loading Dock

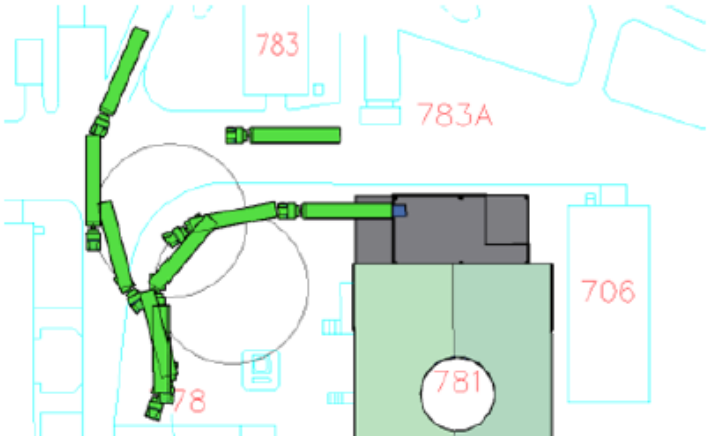


Power Pole to be Removed, Aerial Lines Re-Routed

Block Heater Outlets for Vehicles



Delivery Truck Leaving Dock Area



Delivery Truck Entering & Backing Into Dock Area

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Project construction activities may involve the use of portable generators and equipment used by subcontractors. In addition, construction activities have the potential to create fugitive dust that may require dust suppression by water or other means.

Discharging to Surface-, Storm-, or Ground Water

The project includes relocating an existing storm water inlet drain on the loading dock to an area outside of the new dock footprint; however, it will tie into the existing storm water drainage system in use near MFC-781. Since MFC is not within the storm water corridor, and there is no new discharge of storm water to the system, no further instructions are required.

Disturbing Cultural or Biological Resources

There is the potential for this work to impact vegetation and for project personnel to interact with various wildlife species. A Biological Resource Review will be arranged within two weeks prior to the initiation of any activities that might disturb soil or vegetation and again following completion of project activities. A nesting bird survey is included with the Biological Resource Review for actions occurring between April 1 - October 1 per compliance with the Migratory Bird Treaty Act. Bat surveys are also included with the Biological Resource Review in accordance with the INL Bat Protection Plan.

Section 106 review of this activity was completed under CRMO Project Number BEA-23-H023 and resulted in no historic properties affected.

Generating and Managing Waste

Polychlorinated Biphenyl (PCB) waste could be generated when work activities involve structures or buildings built before 1982 (e.g., painted surfaces, caulking, adhesives, rubber gaskets, joint sealer, cable/wire insulation, ventilation duct gaskets or insulation).

Releasing Contaminants

When chemicals are used during the project there is the potential for spills that could impact the environment (air, water, soil).

Using, Reusing, and Conserving Natural Resources

Project description indicates materials that will need to be purchased or used that require sourcing materials from the environment. Being conscientious about the types of materials used could reduce the impact to our natural resources.

SECTION D. Determine Recommended Level of Environmental Review, Identify Reference(s), and State Justification: Identify the applicable categorical exclusion from 10 Code of Federal Regulation (CFR) 1021, Appendix B, give the appropriate justification, and the approval date.

For Categorical Exclusions (CXs), the proposed action must not: (1) threaten a violation of applicable statutory, regulatory, or permit requirements for environmental, safety, and health, or similar requirements of Department of Energy (DOE) or Executive Orders; (2) require siting and construction or major expansion of waste storage, disposal, recovery, or treatment or facilities; (3) disturb hazardous substances, pollutants, contaminants, or Comprehensive Environmental Response, Compensation, and Liability Act (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 (see 10 CFR 1021). In addition, no extraordinary circumstances related to the proposal exist that would affect the significance of the action. In addition, the action is not “connected” to other action actions (40 CFR 1508.25(a)(1) and is not related to other actions with individually insignificant but cumulatively significant impacts (40 CFR 1608.27(b)(7)).

References:

B1.15 "Support buildings"

Justification:

Siting, construction or modification, and operation of support buildings and support structures (including, but not limited to, trailers and prefabricated and modular buildings) within or contiguous to an already developed area (where active utilities and currently used roads are readily accessible). Covered support buildings and structures include, but are not limited to, those for office purposes; parking; cafeteria services; education and training; visitor reception; computer and data processing services; health services or recreation activities; routine maintenance activities; storage of supplies and equipment for administrative services and routine maintenance activities; security (such as security posts); fire protection; small-scale fabrication (such as machine shop activities), assembly, and testing of non-nuclear equipment or components; and similar support purposes, but exclude facilities for nuclear weapons activities and waste storage activities, such as activities covered in B1.10, B1.29, B1.35, B2.6, B6.2, B6.4, B6.5, B6.6, and B6.10 of this appendix.'

Is the project funded by the American Recovery and Reinvestment Act of 2009 (Recovery Act) ☐ Yes ☒ No

Approved by Jason L. Anderson, DOE-ID NEPA Compliance Officer on: 4/24/2023.