

SECTION A. Project Title: MFC Industrial Wastewater Flow Meter Flume and Sampler Upgrade

SECTION B. Project Description and Purpose:

The primary scope of this project is to replace the existing Materials and Fuels Complex (MFC) industrial wastewater pipeline flume with a new flume designed for accurate measurements over the entire range of expected flows within the pipeline. The scope also includes providing a sampling location with adequate depth/head for the sample compositor unit to successfully collect compliance sample aliquots through tubing from the pipeline/flume. The task includes relocation/installation of the existing sampler and flow meter electronic equipment, as well as construction of a small, heated building/shed (MFC-1757) to enclose the monitoring equipment, spill containment for the sample collection container, and insulation of the sampler tubing. The project will also provide storm drain improvements, including installing storm water piping to replace the open ditch - the ditch will be filled-in to grade.

The existing industrial wastewater monitoring station is located outdoors, west of MFC-793C, adjacent to the industrial wastewater pipeline and storm water ditch (see Figure 1). The new flume and building will be located 10-20 feet downstream (west) of the existing station.

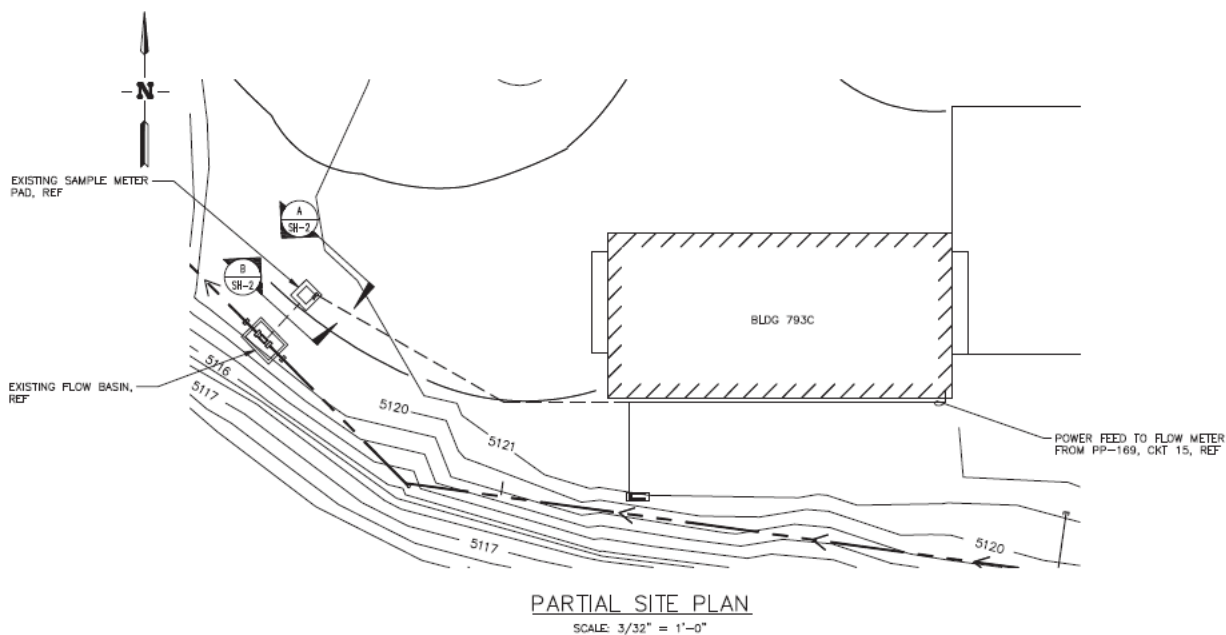


Figure 1. Existing industrial wastewater flume and flow/sample monitoring station.

SECTION C. Environmental Aspects or Potential Sources of Impact:

Air Emissions

Activities addressed have the potential to contribute to air emissions through the operation of fuel burning equipment. Fugitive dust will likely be generated during proposed work.

Discharging to Surface-, Storm-, or Ground Water

Activities will modify and discharge to the industrial wastewater and storm water drainage systems.

Disturbing Cultural or Biological Resources

The new building may have impacts on viewshed.

Generating and Managing Waste

General construction and demolition type industrial waste will be generated.

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Releasing Contaminants

Activities will use typical construction chemicals such as fuels, lubricants, adhesives, concrete, concrete cure, etc.

Using, Reusing, and Conserving Natural Resources

When possible, construction and demolition waste will be excessed, reused, or recycled. Water and wastewater use will be minimized. The project will practice sustainable acquisition.

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: 10 CFR 1021, Appendix B to subpart D, items B1.15 Support buildings and B5.2 Modifications to pumps and piping

Justification: The proposed activity is consistent with CX B1.15 Support buildings. 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.

The proposed activity is also consistent with CX B5.2 Modifications to pumps and piping. Modifications to existing pump and piping configurations (including, but not limited to, manifolds, metering systems, and other instrumentation on such configurations conveying materials such as air, brine, carbon dioxide, geothermal system fluids, hydrogen gas, natural gas, nitrogen gas, oil, produced water, steam, and water). Covered modifications would not have the potential to cause significant changes to design process flow rates or permitted air emissions.

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: 11/15/2021