

Categorical Exclusion and Extraordinary Circumstances Review Form

United States Environmental Protection Agency
Washington, DC 20460

I. General Information

Project Name	WIFIA Id Number
Comprehensive Infrastructure Repair, Rehabilitation and Replacement Program	N18143DC
Borrower Name	
DC Water and Sewer Authority	
Project Description	
The Comprehensive Infrastructure Repair, Rehabilitation and Replacement Program consists of projects that are part of DC Water's Blue Plains Advanced Wastewater Treatment Plant (BPAWTP) site and others located across the District of Columbia as buried water, sewer, storm water, and related infrastructure. Full project list attached.	
Project Location Description (<i>street address/city/state/ZIP code; site characteristics</i>)	
Blue Plains Wastewater Treatment Facility is located at 5000 Overlook Ave SW, Washington, DC 20032. Other projects are in various locations throughout the District of Columbia. Full location details are attached.	

II. EPA Contact for Environmental Review on this Project (If different from Responsible Official)

Name	Title	Phone Number
Alaina McCurdy	Environmental Scientist	202-564-6996

III.A. Categorical Exclusion Eligibility (*Check YES or NO*) Complete the following questions in their entirety to determine if the project is eligible for a Categorical Exclusion (CATEX) pursuant to 40 CFR § 6.204(a)(1)(ii). Additionally, supporting statements and documentation can be included in Attachment 1.

If yes to any, CATEX applies	Does the project involve actions relating to existing infrastructure systems (e.g., sewer systems; drinking water supply systems; and stormwater systems, including combined sewer overflow systems) and involve:		
	YES	NO	
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Minor upgrading
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Minor expansion of system capacity or rehabilitation (including functional replacement) of the existing system and its components (such as the sewer collection network and treatment system; the system to collect, treat, store and distribute drinking water; and stormwater systems, including combined sewer overflow systems)
	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Construction of new minor ancillary facilities next to or on the same property as existing facilities
If yes to any, CATEX does not apply	Will the project include actions that:		
	YES	NO	
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Involve new or relocated discharges to surface or ground water
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will likely result in the substantial increase in the volume or the loading of pollutant to the receiving water
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Will provide capacity to serve a population 30% greater than the existing population
	<input type="checkbox"/>	<input checked="" type="checkbox"/>	Are not supported by the state, or other regional growth plan or strategy
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Directly or indirectly involve or relate to upgrading or extending infrastructure systems primarily for the purpose of future development	

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III.B. Extraordinary Circumstances (Check YES or NO) Complete the following questions in their entirety to determine if the project involves any of the following extraordinary circumstances which would make it ineligible for a CATEX pursuant to 40 CFR § 6.204(b)(1) through (b)(10). Additionally, supporting statements and documentation can be included in Attachment 1.		
YES	NO	
<input type="checkbox"/>	<input checked="" type="checkbox"/>	1) Is the action known or expected to have potentially significant environmental impacts on the quality of the human environment either individually or cumulatively over time?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	2) Is the action known or expected to have disproportionately high and adverse human health or environmental effects on any community, including minority communities, low-income communities, or federally-recognized Indian tribal communities?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	3) Is the action known or expected to significantly affect federally listed threatened or endangered species or their critical habitat?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	4) Is the action known or expected to significantly affect national natural landmarks or any property with naturally significant historic, architectural, prehistoric, archaeological, or cultural value, including but not limited to, property listed on or eligible for the National Register of Historic Places?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	5) Is the action known or expected to significantly affect environmentally important natural resource areas such as wetlands, floodplains, significant agricultural lands, aquifer recharge zones, coastal zones, barrier islands, wild and scenic rivers, and significant fish or wildlife habitat?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	6) Is the action known or expected to cause significant adverse air quality effects?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	7) Is the action known or expected to have a significant effect on the pattern and type of land use (industrial, commercial, agricultural, recreational, residential) or growth and distribution of population, including altering the character of existing residential areas or may not be consistent with state or local government, or federally-recognized Indian tribe approved land use plans or federal land management plans?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	8) Is the action known or expected to significantly cause significant public controversy about potential environmental impacts of the proposed action?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	9) Is the action known or expected to be associated with providing financial assistance to a federal agency through an interagency agreement for a project that is known or expected to have potentially significant environmental impacts?
<input type="checkbox"/>	<input checked="" type="checkbox"/>	10) Is the action known or expected to conflict with federal, state, or local government, or federally recognized Indian tribe environmental resource-protection, or land-use laws or regulations?

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III.C. Extraordinary Circumstances Statement (*Check ONLY ONE box*) If the responses to Section III.A indicate the project is CATEX eligible, and if a **NO** response was recorded for each of the questions in Section III.B, then no Extraordinary Circumstances are present pursuant to 40 CFR § 6.204(b) and one of the following statements should be selected.

<input type="checkbox"/>	1) No extraordinary circumstances apply to the proposed action pursuant to 40 CFR §§ 6.204(a)(1) and 6.204(b). This statement is based on either past experience with similar actions at the proposed action site resulting in a CATEX and/or information gathered as part of previous NEPA or environmental due diligence review conducted at the proposed action site . Provide any supporting documentation or references in Attachment I.
<input checked="" type="checkbox"/>	2) A statement and supporting documentation is attached explaining why no extraordinary circumstances exist or apply to the proposed action pursuant to 40 CFR §§ 6.204(a)(1) and 6.204(b).

IV. NEPA Review Determination and Responsible Official Signature

Sections I through III must be completed to satisfy EPA's documentation requirements for CATEX eligibility. If completion of this form indicates that a CATEX *does apply*, the Responsible Official must sign below.

Categorical Exclusion Determination The EPA finds that the proposed action is eligible for exclusion from detailed environmental review under 40 CFR § 6.204(a)(1)(ii), and will not involve any of the extraordinary circumstances delineated under 40 CFR § 6.204(b)(1) through (b)(10). Consequently, the EPA will not prepare an environmental impact statement or an environmental assessment for the proposed project. The EPA may revoke this categorical exclusion if changes in the proposed action render it ineligible for exclusion or if new evidence emerges which indicates that serious local or environmental issues exist or federal, state, or local laws would be violated.

As the Responsible Official, I have determined that **this action is eligible for a Categorical Exclusion** per the substantive environmental review requirements under EPA regulations at 40 CFR § 6.204. Section III.C of this form has been completed providing the required Extraordinary Circumstances Statement.

Signature of Responsible Official	Title	Date
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Attachment 1. CATEX Eligibility and/or Extraordinary Circumstances Statement(s)	
<p>The space below may be used for a statement and supporting documentation explaining CATEX eligibility why no extraordinary circumstances exist or apply to the proposed action pursuant to 40 CFR §§ 6.204(a)(1) and 6.204(b). Attach additional pages as needed.</p> <p>EPA has determined that environmental justice populations are present within the District of Columbia. No tribal areas were identified at the project location. Minor, short-term impacts on communities during construction may occur such as noise, vibration, increased construction traffic, temporary roadway detours, construction air emissions, and erosion and runoff. EPA does not expect that disproportionately high and adverse impacts to environmental justice communities would occur.</p> <p>EPA has made a no effect determination for federally listed species potentially occurring in the project area, at the Blue Plains WWTP and within the District of Columbia. Habitat for these species did not exist within the project areas which consist of existing roadways and utility rights of way.</p> <p>The National Park Service (NPS) separately conducted consultation in relation to the Soapstone Valley Rehabilitation Project. The NPS Environmental Assessment states that the Hay's Spring amphipod was the sole species listed. NPS expressed concern over the potential presence of the northern long-eared bat during construction due to the required tree removal and completed formal Section 7 consultation with the U.S. Fish and Wildlife Service (USFWS). Prior to construction, DC Water and NPS will coordinate with USFWS regarding timing restrictions and the current status of the northern long-eared bat.</p> <p>The NPS Section 106 consultation on the Soapstone Valley Park Sewer Rehabilitation project found an "adverse effect" on the natural setting of the Soapstone Valley Park/Trail and the Rock Creek Park Historic District and of "no adverse effect" for archeological resources on August 8, 2018. A Memorandum of Agreement between NPS and the District of Columbia Historic Preservation Office (DC SHPO) is being executed that will identify mitigation measures to document the changing cultural landscape.</p> <p>EPA submitted a Section 106 consultation letter on January 26, 2021, to the DC SHPO with the determination of "no adverse effect" to historic properties. At this time DC SHPO has concurred with the "no adverse effect" determination for the Soapstone Valley Park Sewer Rehabilitation, 66-inch/72-inch PCCP N Street, SDWM 12C, and Blue Plains Projects; comments on remaining projects are expected to be received soon. The Project is not known or expected to significantly affect cultural resources.</p> <p>Floodplain impacts for Soapstone project include short-term minor impacts, and long-term, negligible impacts. Short-term impacts would include temporary placement of heavy equipment access paths within the floodplain. Long-term, negligible impacts include placement of permanent structures within the floodplain such as rock cascades, riffle grade controls, pools, cross vanes, rock sills, and imbricated rock walls, as well as tree removal. No floodplain impacts are expected for any of the other projects included in this loan.</p> <p>The project area is in non-attainment/maintenance for ozone and particulate matter (PM-2.5). The project area is in attainment for all other criteria pollutants. Based on the de minimis thresholds defined in 40 CFR § 93.153, the project would not generate emissions that would exceed the thresholds and hence a general conformity analysis is not required. Temporary emissions will result from construction activities and will be minimized by following regulations and best management practices.</p> <p>The proposed activity does not involve capture, transport, exhibition, collection, control or disturbance of eagles, or eagle parts. The project will not affect marine mammals, federal or Indian lands, sole source aquifers, farmland, coastal zones, coastal barriers, wild and scenic rivers, or wilderness areas.</p>	

Attachment 2. Project List and Locations

Project	Location	Description
Blue Plains Projects		
Gravity Thickener Upgrades - Phase II	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	This project will upgrade the primary sludge screening and degritting systems (maintain capacity) and 8 gravity thickeners (maintain capacity), recommission 2 gravity thickeners (capacity increase), replace covers and ventilation system for 10 gravity thickeners, and complete associated pump, piping, site work, structural repairs, electrical/process control/instrumentation upgrades to support the processes.
10-yr Equipment Upgrades - Headworks Influent Screens Upgrades	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032; 125 O Street Southeast Washington DC 20003	The influent screens and other assets at DC Water's Blue Plains Advanced Wastewater Treatment Plant (BPAWTP) and in various pump stations based on condition, performance, and age will be updated and refurbished to extend the useful life of the assets.
High & Low PSW Pumps Evaluation	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	This project will provide new pumps, new motors, new variable frequency drives and new piping for the existing high- and low- pressure process service water distribution systems. A portion of the final effluent is re-used in the plant. This recycled final effluent is called process service water (PSW), which is used on the plant for a variety of applications including seal water for pumps, flushing water for solids handling piping, wash down water for general housekeeping, and dilution water.
Pre-Dewatering Additional Centrifuges	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	This project will provide additional sludge dewatering capacity for peak demand BPAWTP.
COF/IT Electrical System Upgrade	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	The COF Electrical System Upgrades project replaces an aging electrical system at the Central Operations Facility (COF).
Small Diameter Water Main Projects		
12c		

Project	Location	Description
	Near Underwood St NW, Tewkesbury Pl NW and Tuckerman St NW in between 9 th and 6 th Sts NW	This is a CIP project that includes replacement of approximately 1.36 miles of small diameter water mains in various locations throughout the District of Columbia.
14A		
	Brookland-vicinity of 17 th and 18 th Sts NE and Randolph and Otis Sts NE	This is a CIP project that includes replacement of approximately 9.35 miles of small diameter water mains in various locations throughout the District of Columbia. The project is broken into four separate projects, namely 14A, 14B, 14C and Constitution Avenue
	Park Rd NW - vicinity of Pierce Mill Rd NW and Piney Branch Pkwy NW	
	Evarts Ave NE- vicinity of South Dakota Ave NE and Bladensburg Rd NE	
14B		
	Capitol Hill -vicinity of A St SE between 4 th St SE and 7 th St SE	
	Denver- vicinity of Branch Ave SE, Camden St SE, and Southern Ave SE	
14C		
	Locust/Kalmia Rd NW - vicinity of 16th and 13th Sts NW	
	Chevy Chase - vicinity of Kanawha St NW between Connecticut and Nevada Aves NW,	
	Massachusetts Ave Heights - vicinity of 32nd and 31st Sts NW	
	Quackenbos St NW between 9 th and 5 th Sts NW	
Constitution Ave		
	Vicinity of 1 st St NE and Maryland Ave NE	
15a		

Project	Location	Description
	Massachusetts Ave SE - vicinity of 13th and 17th Sts SE	Includes replacement of approximately 1.11 miles of small diameter water mains. Replacing 6" and 8" diameter mains with new 8" mains.
	Navy Annex - vicinity of Virginia Ave SE between 21st St NW and 23 rd St NW	Includes replacement of approximately 0.43 miles of small diameter water mains. Replacing 8" diameter mains with new 8" mains.
	R St NW - vicinity of 38 th St NW and Wisconsin Av NW	Includes replacement of approximately 0.46 miles of small diameter water mains. Replacing 8" diameter mains with new 8" mains.
15b		
	Bryant and Channing Sts NW - vicinity of 2 nd St NW and North Capitol St NE	Includes replacement of approximately 0.57 miles of small diameter water mains. Replacing 8" diameter mains with new 8" mains.
	Hillcrest / 28th St SE - vicinity of Pennsylvania Ave SE and Texas Ave SE. Crosses through West Over Park along 28th St SE	Includes replacement of approximately 0.37 miles of small diameter water mains. Replacing 8" diameter mains with new 8" mains.
	Eckington - vicinity of Q and R Sts NE between Lincoln Rd NE and Harry Thomas Way NE	Includes replacement of approximately 0.71 miles of small diameter water mains. Replacing 6" and 8" diameter mains with new 8" mains.
	Seward Square - vicinity of Pennsylvania Ave SE and North Carolina Ave SE	Includes replacement of approximately 0.83 miles of small diameter water mains. Replacing 6" and 8" diameter mains with new 8" mains.
	Manor Park - vicinity of 3 rd St NW and Blair Rd NW between Van Buren and Rittenhouse Sts NW	Includes replacement of approximately 1.39 miles of small diameter water mains. Replacing 8" diameter mains with new 8" mains.
15d		
	Division Ave NE - vicinity of Nannie Helen Burroughs Ave NE, Just St NE and 49th St NE	Includes replacement of approximately 2.16 miles of small diameter water mains. Replacing 8" and 12" diameter mains with new same size mains.
	South Carolina Ave SE - vicinity of 8 th St SE and 12 th St SE	Includes replacement of approximately 1.07 miles of small diameter water mains. Single mains replacing dual mains to be sized post selection.

Project	Location	Description
	South Carolina/Kentucky Aves - vicinity of 13 th and 15 th Sts SE	Includes replacement of approximately 0.51 miles of small diameter water mains. Single mains replacing dual mains to be sized post selection.
	Kentucky Ave SE - vicinity of 14 th St SE and Barney Cir SE	Includes replacement of approximately 0.58 miles of small diameter water mains. Single mains replacing dual mains to be sized post selection.
16A		
	Shepard St NW - vicinity of Upshur St NW and 17 th St NW	This is a CIP project that includes replacement of approximately 3.62 miles of small diameter water mains in various locations throughout the District of Columbia.
	18 th & Varnum Sts NW - vicinity of Argyle Terrace NW between Varnum St NW and 16 th St NW	
	Hunt Pl NE - vicinity of Eastern Ave NE and Nannie Helen Burroughs Ave NE	
	Pennsylvania Ave SE between Alabama and Southern Sts SE	
16B		This is a CIP project that includes replacement of approximately 3.94 miles of small diameter water mains in various locations throughout the District of Columbia.
	Tilden St NW between Connecticut Ave NW and Linnean Ave NW	Includes replacement of approximately 1 mile of small diameter water mains. Replacing 6", 8", and 12 diameter mains new same size mains.
	2 nd and 3rd Sts NE - vicinity of K and H Sts NE. Including Parker St NE	Includes replacement of approximately 0.64 miles of small diameter water mains. Replacing 6" and 8" diameter mains with new same size mains.
	Western Ave NW between Utah Ave NW and 31st St NW	Includes replacement of approximately 1.04 miles of small diameter water mains. Replacing 12" and 8" diameter mains with new 8" mains.
	Ridge Rd between D St SE and Fort Davis Dr SE. Ely Pl SE between Anacostia Rd SE and Ridge Rd SE	Includes replacement of approximately 1.2 miles of small diameter water mains. Replacing 12" and 8" diameter mains with new same size main. Single 12" main replacing dual 12" mains

Project	Location	Description
	Dix St NE between 54th St NE and 55th St NE	Includes replacement of approximately 0.06 miles of small diameter water mains. Replacing 8" diameter mains with new 8" mains. Steel water main replaced with Ductile Iron water main.
16C		
	Quarles St NE - vicinity of Kenilworth Ave NE, Meade St NE, and Eastern Ave NE	This is a CIP project that includes replacement of approximately 4.4 miles of small diameter water mains in various locations throughout the District of Columbia.
	Bancroft and Leroy Pls NW - vicinity of Connecticut Ave NW and Phelps Pl NW	
	13 th and Hamilton Sts NW - vicinity of 14 th and Georgia Sts NW	
	Kennedy and Hamilton Sts NW - vicinity of 5 th and 3 rd Sts NW	
Other Projects		
Miscellaneous Facilities Upgrade 7		Includes several subprojects at BPAWTP inflatable dam replacements and work at several pump stations
	125 O Street Southeast, Washington, DC 20003	Replacement of three screens, washers, and compactors in the Main Pumping Station
	Along the Anacostia River at O St and Canal St, near the Main Pumping Station	Replacement of two screens, washers, and compactors in the O Street Pumping Station
	1st and D Sts SW	1st and D Sts SW Stormwater Pumping Station rehab consists of electric, mechanical, and HVAC system upgrades
	216 US-50, Washington, DC 20520	Replacements at Potomac Pump Station, replacement of actuator for 5 influent pumps, replace in kind, replacement of air release valves
	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	Misc refurbishment of concrete throughout nitrification and sedimentation facilities, concrete tanks, stairs, and walkways - expansion joints repairs
	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	Replacement of process service water (PSW) system pipelines - 6" to 54" diameter ductile or cast iron and reinforced concrete pipe

Project	Location	Description
	Blue Plains; 5000 Overlook Ave SW, Washington, DC 20032	Replacement of primary sludge and scum system piping from the east primary sedimentation tanks to the gravity thickeners
	Various points in collection system, including Main Pumping Station; Structure 14 - Northwest of Main Sewage Pumping Station; Structure 15- South Capitol Street & E St SE; Structure 15A- Half & L St SE; Structure 16- East of Main Sewage Pumping Station; Structure 34- 23rd and Constitution Ave NW; Structure 52- 22nd St, between M&N St NW	Rehabilitation of 6 inflatable dams' equipment (mechanical, electrical) vaults in the combined sewer system, including 14, 15, 15a, 16, 34, and 52; 2 vaults will be moved into the Main Pumping Station
66-inch/72-inch PCCP N Street		This is a Capital Improvement Project to renew the 66" Pre-stressed Concrete Cylinder Pipe (PCCP) and to rehabilitate the 66/72" (PCCP) that runs along N Street from 15th Street NW to 3rd Street NE. The water main was installed over three contracts.
	Along N Street from 15th Street NW to 6th Street NW	72" PCCP pipe installed under contract 808-014 in 1971
	Along N Street from 6th Street NW to 1st Street, NW	66" PCCP pipe installed under contract 808-015 in 1971

Project	Location	Description
	Along N Street from 1st Street NW to the intersection of 3rd Street, NE, and M Street, NE	66" PCCP pipe installed under contract P2799-M in 1961. Supplied by "Lock Joint Pipe Company" and is 66" PCCP-Embedded Cylinder Pipe (ECP) with rubber and steel joints, reinforced with 16 Ga. +0.654 sq.in/ft. The 66" PCCP water main along N Street from 1st Street, NW to North Capitol Street is encased in a 96" tunnel liner with annular grout fill, and a 6" under drain in place. Another portion of the 66" PCCP main is encased in a 132" concrete tunnel liner and concrete cradled with steel strapping from 2nd Street, NE to 3rd Street, NE crossing the Baltimore and Ohio Railroad and WMATA Red Line
Normanstone Sewer Rehabilitation		
	Along Normanstone Dr NW and Fulton St NW from Rock Creek Dr NW to 34th St NW	Rehabilitation of approximately 6,000-LF of 10" to 30" sewer pipe using cured-in-place (CIPP)
	The pipe between Fulton St NW and Massachusetts Ave NW: 30" concrete sewer	
	From Normanstone Dr NW along 32nd St NW - vitrified clay pipe	
	Between Normanstone Terrace NW and Normanstone Dr NW - vitrified clay pipe	
	From Normanstone Dr NW along Normanstone Ln NW - vitrified clay pipe	

Project	Location	Description
	Throughout Normanstone service area	Rehabilitation of approximately 10 manholes 1. M-11367 2. M-11930 3. M-11932 4. M-11942 5. M-11945 6. M-12659 7. M-12672 8. M-11355 9. M-11929 10. M-12673
	Pipe between manholes M-12671 and M-12672 near the intersection of Rock Creak Dr NW and Normanstone Dr NW	Protection of sewer asset crossing stream - using imbricated rip rap
Soapstone Valley Park Sewer Rehabilitation	NPS lands within Soapstone Valley Park, District of Columbia; near the intersection of Connecticut Avenue, NW, draining east toward Rock Creek.	The purpose of the project is rehabilitation or replacement of 6,400 LF of 8" to 19" vitrified clay pipe sewer, 22 sewer manholes, and 2 stormwater discharge locations under the MS4 permit.