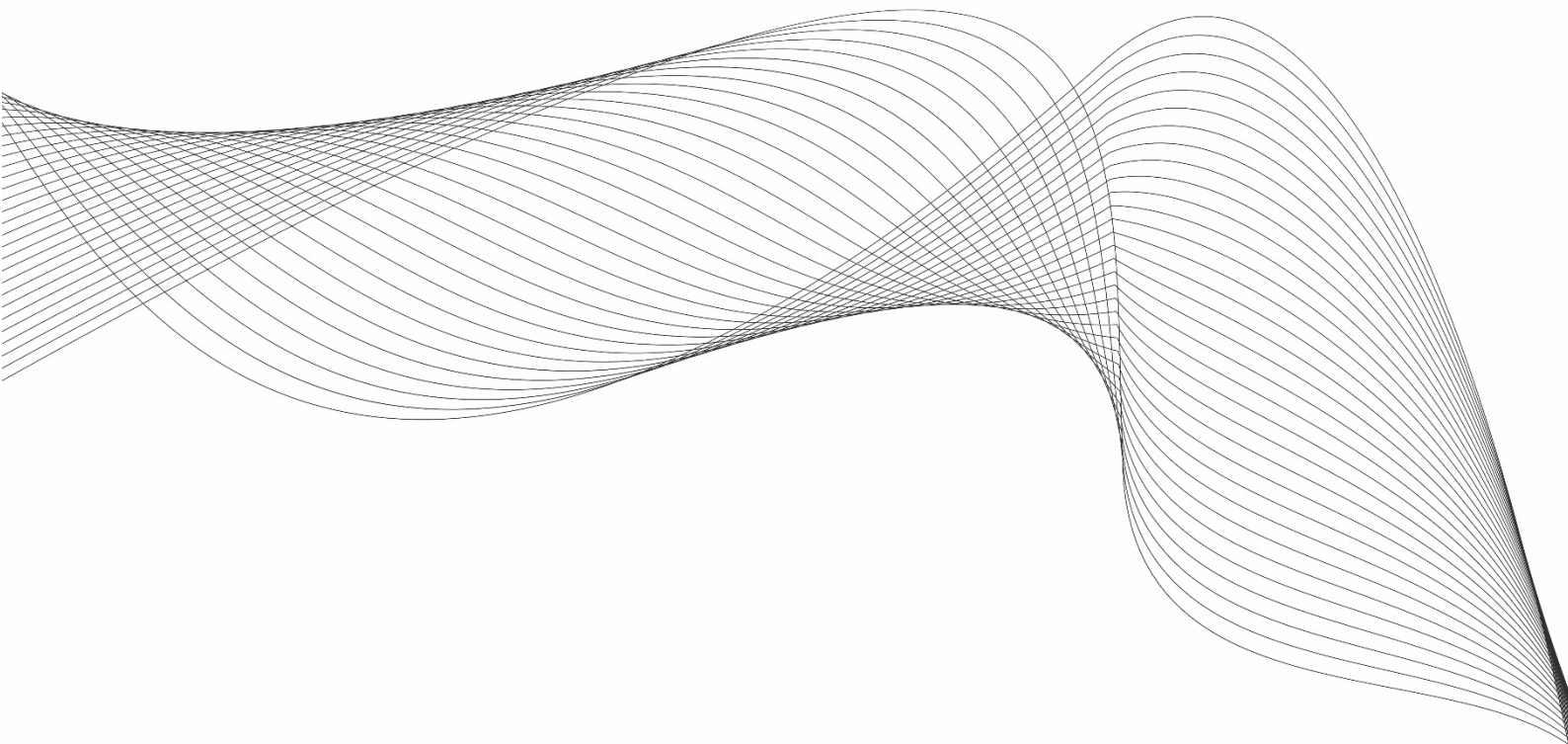




GOBIERNO DE PUERTO RICO  
DEPARTAMENTO DE RECURSOS NATURALES Y AMBIENTALES



**2024**

# **INFORME DE TRANSICIÓN ADMINISTRATIVA**

**Preparado por:**

**Área de Calidad de Agua**



# Tabla de Contenido

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I.	Introducción.....	2
II.	Base Legal .....	3
III.	Misión y Visión .....	3
IV.	Estructura Organizacional.....	3
	Oficina del Gerente.....	3
	División de Planes y Proyectos.....	4
	División de Permisos para Fuentes Precisadas .....	5
	División de Control de Erosión .....	6
	División de Control de Inyección Subterránea .....	7
	División de Permisos y Cumplimiento de Empresas Pecuarías.....	7
	División de Control de Tanques de Almacenamiento Soterrados.....	8
	División de Muestreo de Agua .....	9
	División de Proyectos de Infraestructura .....	10
V.	Planes de Trabajo.....	11
VI.	Logros.....	12
VII.	Asuntos Pendientes.....	14

## I.Introducción

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El Área de Calidad de Agua (ACA) es una de las áreas principales que componen la estructura organizativa operacional del Departamento de Recursos Naturales y Ambientales (DRNA, como sucesor de la Junta de Calidad Ambiental, a tenor con lo establecido en la Ley Núm. 171-2018). Entre sus funciones está vigilar, proteger, mejorar y mantener la calidad de los cuerpos de agua, con el fin de que se logre los usos designados, incluyendo la propagación y preservación de especies deseables. Esto permitirá que los mismos sean aptos para uso doméstico, recreativo, agrícola e industrial. Para llevar a cabo estas funciones de una manera efectiva, se mantiene una estrecha coordinación con agencias federales y estatales. Además, desarrolla, promulga y administra reglamentos y lleva a cabo acciones para asegurar el cumplimiento con la reglamentación vigente.



## II. Base Legal

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La misión encomendada por el Gobierno de Puerto Rico al DRNA, mediante la Ley Núm. 416-2004, según enmendada, fue la de proteger la calidad del ambiente, mediante el control de la contaminación del aire, las aguas y los suelos y de la contaminación por ruidos; así como el utilizar todos los medios y medidas prácticas para crear y mantener las condiciones bajo las cuales el hombre y la naturaleza puedan existir en armonía productiva y cumplir con las necesidades sociales y económicas y cualesquiera otras que puedan surgir con las presentes y futuras generaciones de puertorriqueños. A estos fines, como parte de la estructura organizacional creada para cumplir con los objetivos y propósitos antes mencionados se crea el Área de Calidad de Agua (ACA).

## III. Misión y Visión

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El ACA es la responsable de vigilar, proteger, mejorar, mantener y restaurar la calidad en los cuerpos de aguas de Puerto Rico. Su propósito es proteger la calidad de las aguas de Puerto Rico, mediante el control de las posibles fuentes de contaminación.

## IV. Estructura Organizacional

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El ACA tiene una estructura organizacional que se compone de ocho (8) divisiones operacionales, las cuales se dedican al desarrollo e implementación de las estrategias y planes de trabajo necesarios para alcanzar su misión y visión.

A continuación, la estructura organizacional del ACA, así como una breve descripción de las funciones de cada división.



*Figura 1: Organigrama del Área de Calidad de Agua*

### Oficina del Gerente

La Oficina del Gerente se encarga de planificar, coordinar, dirigir y supervisar las actividades técnicas operacionales y administrativas que se realizan en el ACA. Asesora a la Autoridad



Nominadora y funcionarios de la Agencia sobre asuntos relacionados con el control de la contaminación del recurso agua. Es responsable de desarrollar, promulgar y administrar reglas y reglamentos que establezcan las normas de calidad de agua y regulen el control de la contaminación del recurso agua. Además, se encarga de desarrollar y administrar las propuestas de fondos federales dirigidos al control de la contaminación del recurso agua.

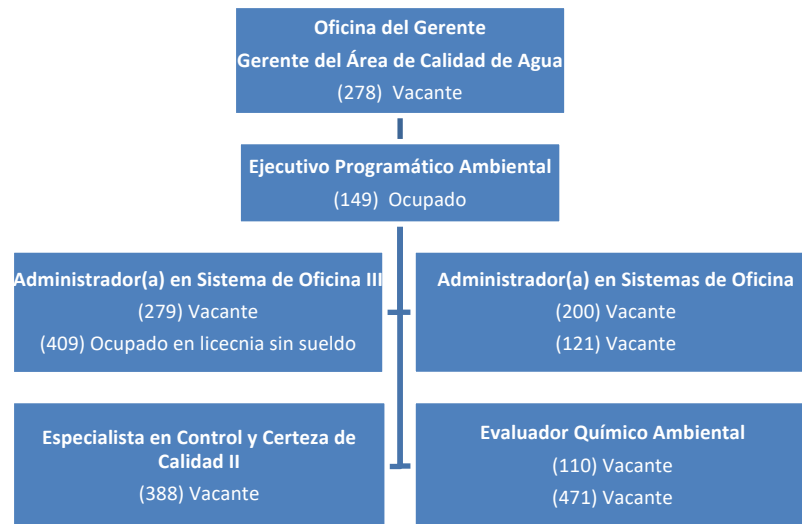


Figura 2: Organigrama de la Oficina del Gerente del ACA

### División de Planes y Proyectos

La División de Planes y Proyectos (DPP) es responsable de realizar la evaluación bianual de la calidad de las aguas de Puerto Rico requerido por la Sección 305 (b) de la Ley Federal de Agua Limpia (CWA, por sus siglas en inglés); a través del análisis de los datos de calidad de agua generados por las distintas redes de muestreo de aguas costaneras, lagos, aguas subterráneas y zonas de bañistas. Dicha evaluación se realiza conforme a los estándares de calidad de agua y usos designados establecidos en el Reglamento Núm. 9079: Reglamento de Estándares de Calidad de Agua de Puerto Rico, según enmendado (RECA).

Además, es responsable de establecer las estrategias de restauración de los cuerpos de agua en Puerto Rico, tales como las Cargas Diarias Máximas Totales requeridas por la Sección 303 del CWA. También, administra el Programa de Fuentes Dispersas y el Programa de Monitoría de Playas y Notificación Pública. Recibe fondos federales, a través de las subvenciones *Performance Partnership Grant (PPG)*, *Water Quality Management Planning Grant (WQMP)*, *Beach Monitoring and Public Notification Program (BEACH)*, destinados a realizar tareas relacionadas a la evaluación de calidad de agua, administrar el Programa de Fuentes Dispersas y el Programa de Monitoría de Playas y Notificación Pública; así como establecer las estrategias de restauración de los cuerpos de agua de Puerto Rico.

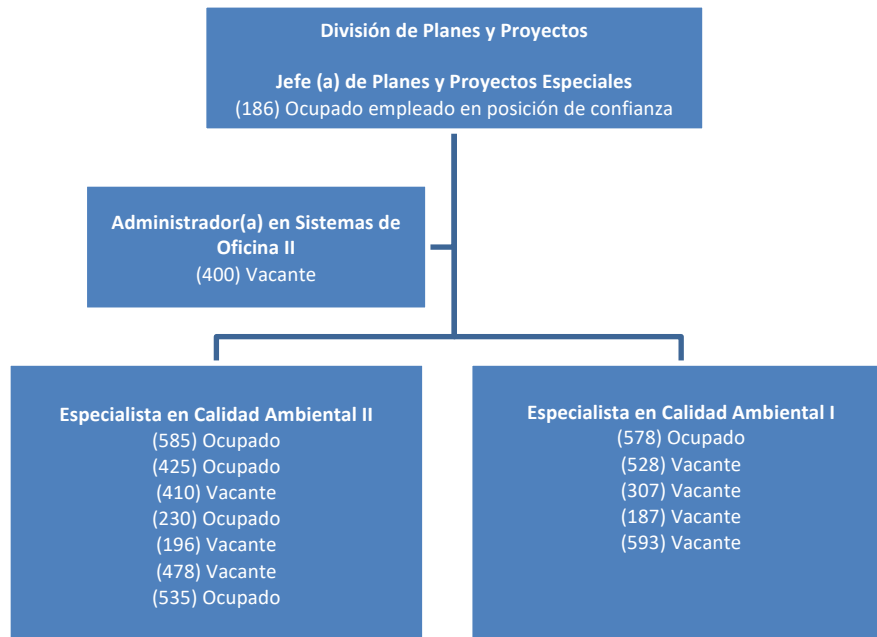


Figura 3 Organigrama de la División de Planes y Proyectos

### División de Permisos para Fuentes Precisadas

La División de Permisos para Fuentes Precisadas (DPFP) es la responsable de desarrollar normas, criterios y programas dirigidos al control de la contaminación generada por fuentes precisadas. Esta División implementa las disposiciones del RECA dirigidas al control de las fuentes precisadas de contaminación que puedan afectar la calidad de las aguas sujetas a dicho Reglamento, a través del trámite de certificados de calidad de agua, según requerido por la Sección 401 de la CWA, para instalaciones reguladas por la EPA bajo el Sistema Nacional para la Eliminación de Descargas de Contaminantes (NPDES, por sus siglas en inglés) conforme a la Sección 402 de la ley antes mencionada, y para actividades reguladas por el Cuerpo de Ingenieros del Ejército de los Estados Unidos (COE, por sus siglas en inglés) bajo la Sección 404 del CWA.

Además, el personal adscrito a la DPFP evalúa, entre otras, solicitudes de permisos para la construcción u operación de sistemas de tratamiento de aguas usadas sin descarga a un cuerpo de agua conforme a las disposiciones del Reglamento Núm. 4209: Reglamento para la Certificación de Planos y Documentos ante la Junta de Calidad Ambiental; informes de ingeniería, planos y especificaciones para la construcción de sistemas de tratamiento de aguas usadas reguladas por permisos NPDES, financiados con fondos estatales o privados; Planes de Mejores Prácticas de Manejo o Planes de Prevención de Contaminación de Aguas de Escorrentía; Planes de Emergencia para prevenir derrames de aceite, sustancias peligrosas o sustancias no peligrosas que puedan impartir olor o sabor desagradables a las aguas. Dicha División recibe fondos federales a través del PPG asignados para realizar tareas dirigidas al control de las fuentes precisadas de contaminación.

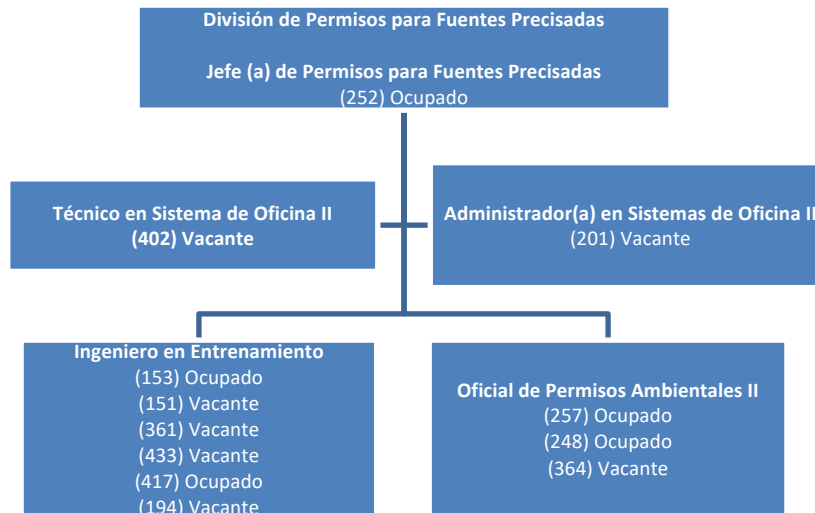


Figura 4 Organigrama de la División de Permisos para Fuentes Precisadas

#### División de Control de Erosión

La División de Control de Erosión (DCE) es la responsable de establecer las normas aplicables al control de proyectos como fuentes dispersas de contaminación mediante la implantación de las disposiciones del Reglamento Núm. 5754: Reglamento para el Control de la Erosión y Prevención de la Sedimentación (RCEPS). También recibe fondos federales a través del PPG destinados para realizar las tareas que consisten en la inspección de los proyectos, el seguimiento a los casos que se detectaron con deficiencias, la evaluación de las solicitudes del Permiso General Consolidado o Permiso General para Otras Obras con el fin de determinar el cumplimiento con el Reglamento Núm. 7308: Reglamento para el Trámite de los Permisos Generales (RTPG), el RCEPS, el Reglamento Núm. 5300: Reglamento para el Control de la Contaminación Atmosférica, según enmendado (RCCA), así como el Reglamento Núm. 5717: Reglamento para el Manejo de los Desperdicios Sólidos No Peligrosos, según enmendado (RMDSNP).

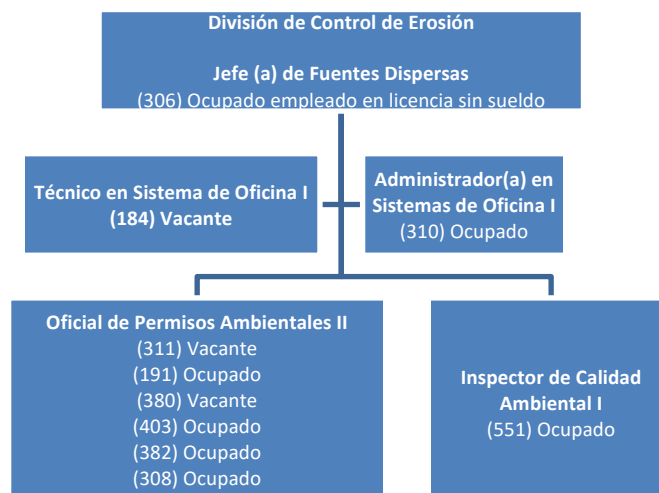


Figura 5 Organigrama de la División de Control de Erosión



### División de Control de Inyección Subterránea

La División de Control de Inyección Subterránea (DCIS) administra el Programa de Inyección Subterránea bajo un Acuerdo de Entendimiento entre la Junta de Calidad Ambiental (ahora DRNA) y la EPA, el cual establece las políticas, responsabilidades y procedimientos para la protección de las aguas subterráneas a tenor con el 40 CFR Parte 145, según autorizado por la Parte C de la Ley Federal de Agua Potable Segura, según enmendada 42 USC 300f *et seq.* (LFAPS).

Además, es la responsable de establecer las normas aplicables para conservar, mantener y mejorar la calidad de las aguas subterráneas de Puerto Rico, como fuente de abasto de agua potable, implantando las disposiciones del Reglamento Núm. 3029: Reglamento para el Control de la Inyección Subterránea (RCIS). Esta División recibe fondos federales a través del PPG para realizar tareas dirigidas al control de la inyección subterránea, las cuales consisten en radicar, evaluar y emitir permisos de construcción y operación para sistemas de inyección subterránea (SIS), inspeccionar instalaciones que posean un SIS operando o que van a cerrar, y la evaluación de planes de cumplimiento y planes de cumplimiento alterno, entre otras.

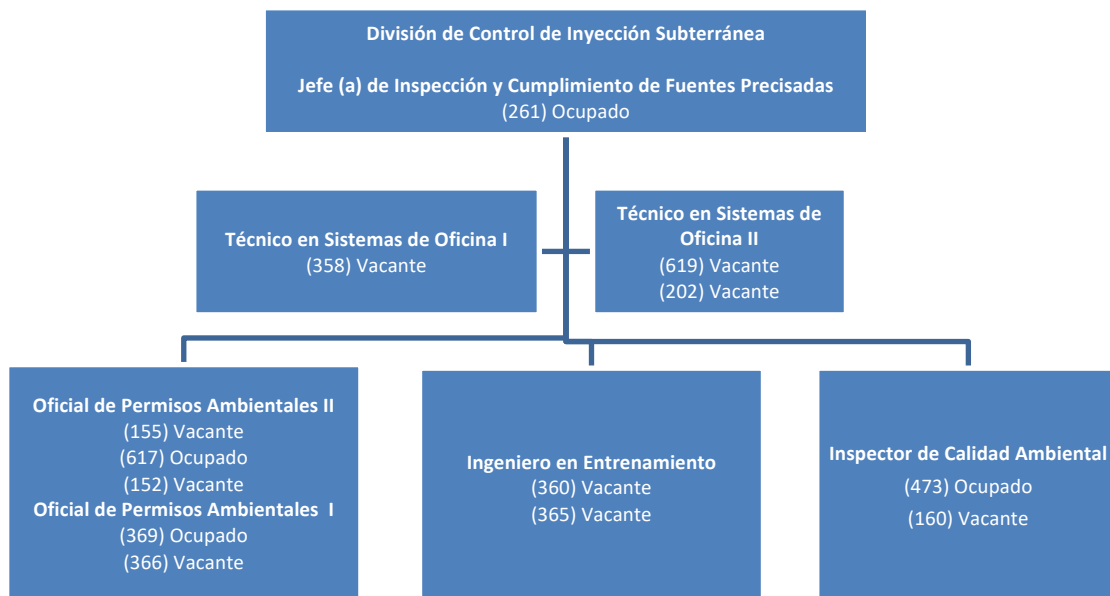


Figura 6 Organigrama de la División de Control de Inyección Subterránea

### División de Permisos y Cumplimiento de Empresas Pecuarias

La División de Permisos y Cumplimiento de Empresas Pecuarias (DPCEP) es la responsable de establecer las normas aplicables al control de las empresas pecuarias como fuentes dispersas de contaminación mediante la implantación de las disposiciones del Reglamento Núm. 7656: Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias. Dicha División recibe fondos federales a través del PPG asignados para realizar tareas dirigidas al control de las fuentes dispersas de contaminación, las cuales consisten en radicar, evaluar y emitir permisos para implantar y operar sistemas de manejo de desperdicios fecales de



animales en confinamiento, inspeccionar empresas pecuarias para evaluar su cumplimiento con las leyes y reglamentos aplicables, y la evaluación de planes de cumplimiento, entre otras.

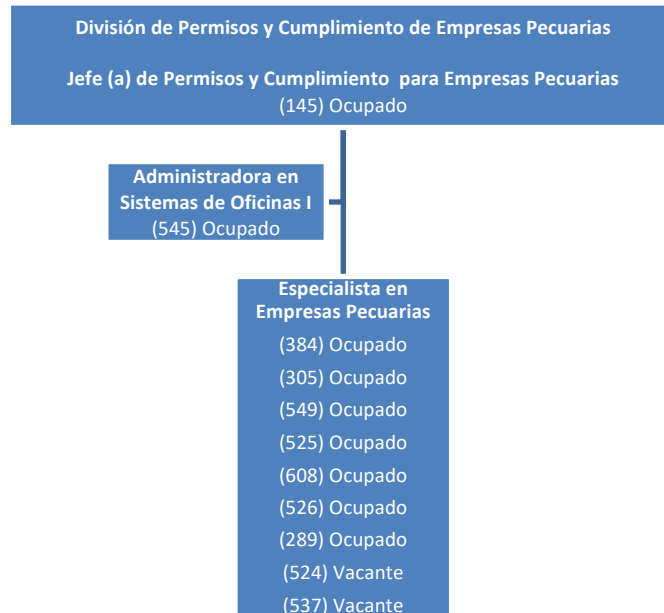


Figura 7 Organigrama de la División de Permisos y Cumplimiento de Empresas Pecuarias

### División de Control de Tanques de Almacenamiento Soterrados

La División de Control de Tanques de Almacenamiento Soterrados (DCTAS) administra el Programa de Tanques de Almacenamiento Soterrados (TAS). Dicho Programa ha sido delegado por la EPA y actualmente se encuentra en proceso de evaluación con el propósito de obtener nuevamente la delegación basado en los requisitos federales de 2015. Los trabajos de la División consisten en hacer inspecciones de cumplimiento, trabajos de investigación y acciones correctivas debido a escapes o derrames de sustancias peligrosas provenientes de los TAS. Además, adiestra, examina y otorga Certificados de Operadores a dueños u operadores en facilidades con TAS. También, otorga Permisos de Instalación, Cierre, Reemplazo y Operación a facilidades con TAS. La DCTAS fiscaliza aproximadamente 1,600 TAS alrededor de toda la Isla, incluyendo Vieques y Culebra. Recibe fondos federales, a través de las subvenciones *LUST-Prevention Action Program*, *LUST Corrective Action Program*, *LUST Trust Fund Corrective Action Program Hurricane Relief Grant* y *el Supplemental Funds LUST Provision of the Consolidated Appropriations Act*, destinados a realizar tareas dirigidas para administrar el Programa de TAS en Puerto Rico.



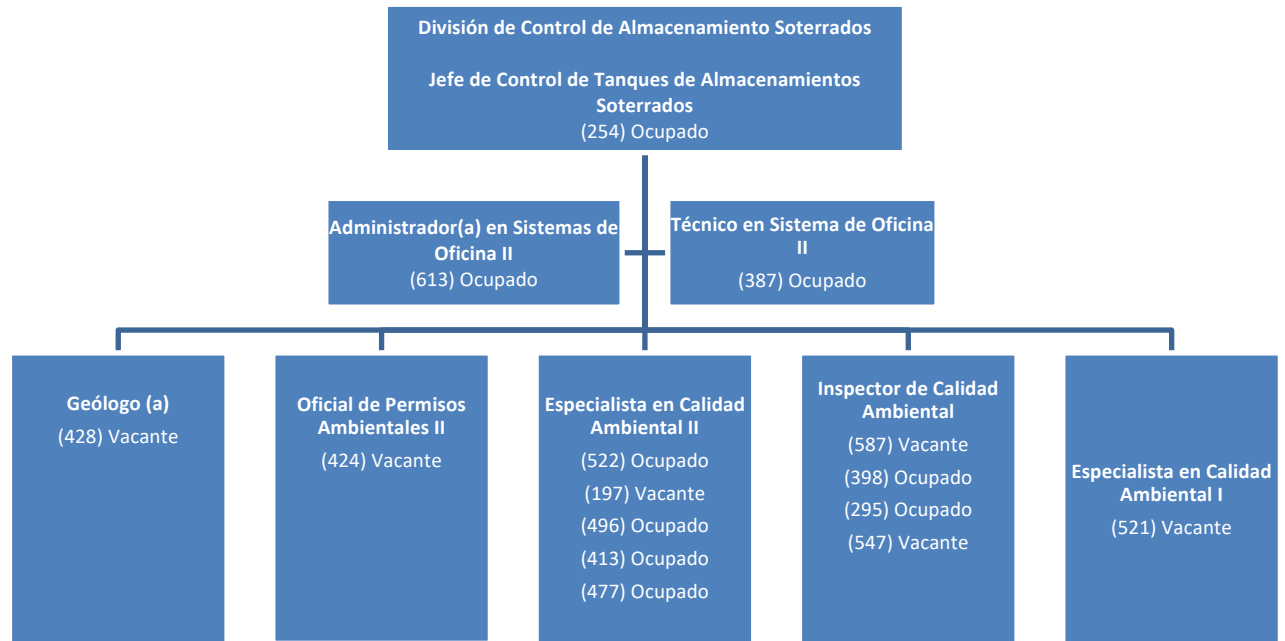
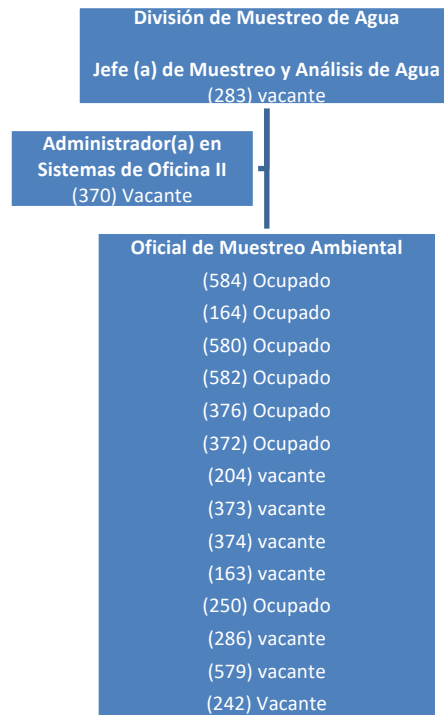


Figura 8 Organigrama de la División de Control de Tanques de Almacenamiento Soterrados

### División de Muestreo de Agua

La División de Muestreo de Agua (DMA) es la responsable de recolectar las lecturas *in-situ* de los parámetros físicos y las muestras para el análisis de los parámetros químicos y bacteriológicos requeridos por las redes de monitoría de la calidad del agua para las aguas costaneras, lagos, aguas subterráneas y zonas de bañistas. Estos muestreos son necesarios para obtener los datos de calidad de agua requeridos para la evaluación bianual de la calidad de las aguas de Puerto Rico a tenor por la Sección 305 (b) del CWA. Esta División recibe fondos federales a través de las subvenciones de *PPG* y *Beach Monitoring and Public Notification Program*, destinados para realizar los muestreos de las redes de monitoría antes mencionadas.

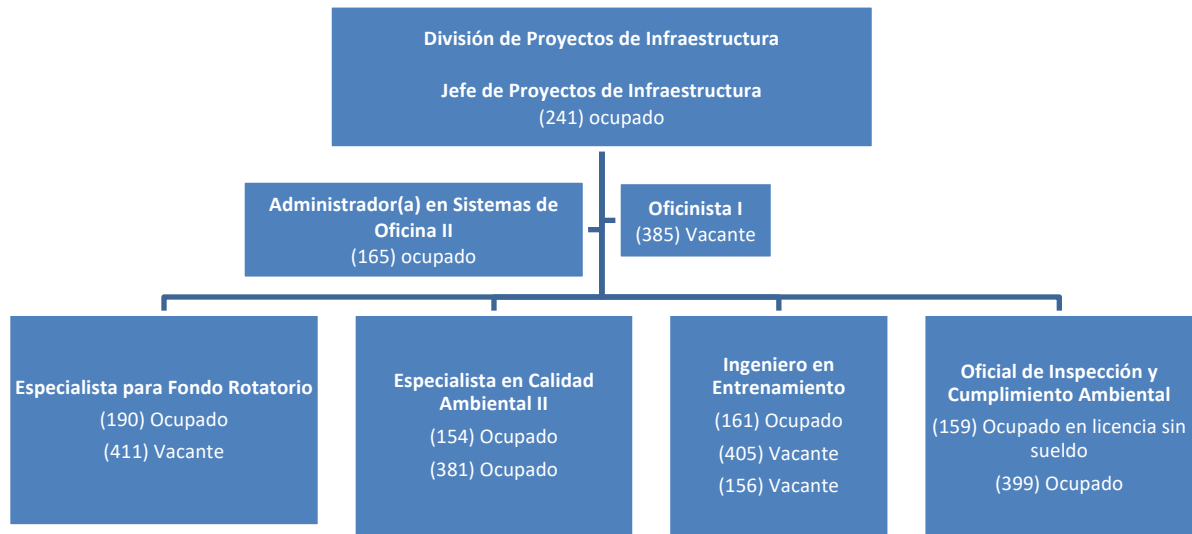


*Figura 9 Organigrama de la División de Muestreo de Agua*

### División de Proyectos de Infraestructura

La División de Proyectos de Infraestructura (DPI) es la encargada de administrar el Programa de Fondo Rotatorio Estatal de Agua Limpia (*CWSRF*, por sus siglas en inglés). Dicho Programa fue creado por las enmiendas de 1987 a la Ley Federal de Agua Limpia como un programa de asistencia financiera para una amplia gama de proyectos de infraestructura de agua entre los que se encuentran: proyectos de alcantarillado sanitario, manejo de aguas pluviales, proyectos de infraestructura verde, manejo y conservación de estuarios, entre otros.

El objetivo principal de la DPI es contribuir en las mejoras a la infraestructura del país mediante la recomendación de acuerdos financieros, ya sea a través de préstamos o subsidios, en colaboración con la Autoridad para el Financiamiento de la Infraestructura, para proyectos de infraestructura de agua, sometidos por peticionarios elegibles tales como agencias gubernamentales estatales, municipios, corporaciones, entidades sin fines de lucro, entre otras. En la División se evalúan las etapas de planificación, diseño y construcción de cada proyecto para verificar que los mismos cumplen con los requisitos del Título VI del CWA. La DPI es responsable de la redacción de informes anuales, Solicitudes del Fondo de Capitalización (*Capitalization Grants*), Sistema y Lista de Prioridad. Además, el personal de la DPI evalúa y aprueba, entre otros, planos y especificaciones de los proyectos, desembolsos de fondos, órdenes de cambio, documentos de subasta y realiza periódicamente visitas de campo e inspecciones de construcción y cumplimiento ambiental a los proyectos financiados bajo el *CWSRF*.



*Figura 10 Organigrama de la División de Proyectos de Infraestructura*

## V. Planes de Trabajo

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El ACA tiene una estructura organizacional que se compone de ocho (8) divisiones operacionales, las cuales se dedican al desarrollo e implementación de las estrategias y planes de trabajo necesarios para alcanzar su misión y visión.

### **División de Planes y Proyectos**

Las tareas de la DPP forman parte de los planes de trabajo desarrollados y acordados con la EPA de las subvenciones federales de PPG (**Anejo 1**), WQMP (**Anejo 1**) y BEACH (**Anejo 2**).

### **División de Permisos para Fuentes Precisadas**

Las tareas de la DFPF forman parte del plan de trabajo desarrollado y acordado con la EPA de la subvención federal de PPG (**Anejo 1**).

### **División de Control de Erosión**

Las tareas de la DCE forman parte del plan de trabajo desarrollado y acordado con la EPA de la subvención federal de PPG (**Anejo 1**).

### **División de Control de Inyección Subterránea**

Las tareas de la DCIS forman parte del plan de trabajo desarrollado y acordado con la EPA de la subvención federal de PPG (**Anejo 1**).



### **División de Permisos y Cumplimiento de Empresas Pecuarias**

Las tareas de la DPCEP forman parte del plan de trabajo desarrollado y acordado con la EPA de la subvención federal de PPG (**Anejo 1**).

### **División de Control de Tanques de Almacenamiento Soterrados**

Las tareas de la DCTAS forman parte de los planes de trabajo desarrollados y acordados con la EPA de las subvenciones federales *LUST-Prevention Action Program* (**Anejo 3**), *LUST Corrective Action Program* (**Anejo 4**), *LUST Trust Fund Corrective Action Program Hurricane Relief Grant* (**Anejo 5**) y el *Supplemental Funds LUST Provision of the Consolidated Appropriations Act* (**Anejo 6**).

### **División de Muestreo de Agua**

Las tareas de la DMA forman parte de los planes de trabajo desarrollados y acordados con la EPA de las subvenciones federales de PPG (**Anejo 1**) y BEACH (**Anejo 2**).

### **División de Proyectos de Infraestructura**

El Plan de Trabajo relacionado al CWSRF está contenido en el documento titulado Plan de Intención de Uso de Fondos (*Intended Use Plan*) (**Anejos 7, 8, 9, 10 y 11**). Dicho documento, el cual forma parte de la solicitud de fondos, detalla cómo se planifica utilizar los fondos disponibles correspondientes a ese año fiscal federal. Además, detalla los proyectos de infraestructura que recibirían financiamiento, así como el dinero que estaría destinado para propósitos administrativos del Programa.

## VI. Logros

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1. Durante los pasados cuatro (4) años se logró la implementación de la Regla de Certificación de la Sección 401 del CWA de 2020 y su posterior enmienda en el 2023, en coordinación con el COE y la EPA para tramitar los correspondientes Certificados de Calidad de Agua para los permisos federales emitidos por estas agencias de forma diligente y en cumplimiento con los reglamentación estatal y federal aplicable.
2. Por tres ciclos consecutivos se ha cumplido con el requisito federal de revisar el Reglamento de Estándares de Calidad de Agua de Puerto Rico, según requerido por la Sección 303(c)(1) de la Ley de Agua Limpia (CWA, por sus siglas en inglés).
3. Se obtuvieron dispensas a la *Section 9 Requirements of the Grant Policy Issuance* (GPI) 11-01 para las subvenciones federales *Performance Partnership Grant* (PPG) y *Water Quality Management Planning Grant* (WQMP) correspondientes a los años fiscales federales 2017, 2018 y 2019. La obtención de estas dispensas permite extender el periodo de vigencia de dichas subvenciones por dos años adicionales y así tener disponible aproximadamente \$2.59 millones para realizar proyectos de investigación y restauración de los cuerpos de agua.
4. Invertir aproximadamente \$2.9 millones en los siguientes proyectos de investigación y restauración de los cuerpos de agua:



- a. *“Assessment of Pesticides in Puerto Rico”* contrato número 2020-000031, en colaboración con el United States Geological Survey (USGS). Este proyecto consiste en un programa de muestreo para evaluar la calidad del agua en 51 estaciones de monitoría durante dos años para los plaguicidas de Naled, Comafos y Fenti6n. **Costo: \$178,560.00. Completado el 30 de septiembre de 2021.**
  - b. *“Development of an Ecological Index for Palustrine Wetlands Assessment in Puerto Rico”* contrato número 2020-000052; en colaboraci6n con la Estaci6n Experimental del Colegio de Ciencias Agrícolas de la Universidad de Puerto Rico, Recinto de Mayagüez. Este proyecto consiste en realizar una investigaci6n con el propósito de identificar un indicador estandarizado del estado ecol6gico de los humedales en Puerto Rico. **Costo: \$1,048,644.00. Completado el 30 de septiembre de 2023.**
  - c. *“Development and Implementation of a Water Quality Monitoring Project in Shallow Coral Reef Areas Around Puerto Rico and Implementation of a BCG Model”* contrato número 2022-000109, en colaboraci6n con la Universidad de Puerto Rico, Recinto de Mayagüez. Proyecto de monitoreo de la calidad del agua en arrecifes de coral alrededor de la Isla con el fin de obtener la informaci6n de apoyo necesaria para modificar los estándares de calidad del agua de Turbiedad y Temperatura en aguas costaneras. **Costo: \$1,324,698.00. Fecha de culminaci6n: 30 de septiembre de 2025.**
  - d. *“Water Quality Trend Analysis at Selected Sites throughout Puerto Rico”* contrato número 2023-000053, en colaboraci6n con el *United States Geological Survey (USGS)*. Realizar un análisis de tendencia de calidad de agua utilizando los datos históricos generados en las estaciones monitoreadas por el *USGS* para para todos los parámetros analizados. **Costo: \$382,106.00. Fecha de culminaci6n: 31 de diciembre de 2024.**
5. Construcci6n e Instalaci6n de rótulos relacionados al Programa de Monitoría de Playas y Notificaci6n Pública en las 35 playas incluidas en el mismo. **Costo: \$41,850.00. Completado en noviembre 2022.**
  6. En el Programa de Fondo Rotatorio Estatal de Agua Limpia (*CWSRF*, por sus siglas en inglés) se alcanzaron los siguientes logros:
    - a. Se firmaron 19 acuerdos financieros a modo de subsidio para proveer fondos a más de cuarenta (40) proyectos a través de toda la isla. Entre las entidades beneficiadas se encuentran varios Municipios, la Autoridad de Energía Eléctrica, el Programa del Estuario de la Bahía de San Juan, la Corporaci6n ENLACE del Caño Martín Peña y la Compañía para el Desarrollo Integral de la Península de Cantera, Fundaci6n Aguas Claras, Inc., Hospital Castañer y la Universidad de Puerto Rico.
    - b. Se han desembolsado aproximadamente más de \$85 millones para más de treinta (30) proyectos de infraestructura a través de toda la isla.
    - c. Se cerraron cuatro (4) Acuerdos Cooperativos (*Grant Agreements*) y se planifica cerrar dos (2) más antes de finalizar el año 2024.
  7. En el Programa de Tanques de Almacenamiento Soterrados se alcanzaron los siguientes logros:
    - a. La DCTAS en cumplimiento con la reglamentaci6n estatal y federal ha adiestrado como Operadores Clase A, B y C a sobre 15,000 dueños, operadores y empleados de facilidades con tanques de almacenamiento soterrados tanto públicos como privados.



- b. La DCTAS recaudó **\$1,269,206** por concepto de radicación de permisos, adiestramiento y examen de operadores, planes y reportes de investigación de lugar, planes y reportes de acciones correctivas y órdenes de consentimiento.
- c. El 6 de diciembre de 2023 la DCTAS recibió el acuerdo cooperativo “*Supplemental Funds LUST Provision of the Consolidated Appropriations Act*” para realizar investigaciones de lugar y/o acciones correctivas en facilidades con sistemas de tanques de almacenamiento soterrados que pudieron ser afectadas por el huracán Fiona. Actualmente nos encontramos evaluando 5 propuestas que fueron recibidas de posibles contratistas para realizar los trabajos de investigación y remediación establecidos en la solicitud de propuestas.
- d. En abril de 2021 se emitió una Orden de Consentimiento Judicial entre el Departamento de Recursos naturales y Ambientales y la compañía “*Exxon Mobil Corporation and ESSO Standard Oil Company*”. Con este acuerdo la ESSO se compromete a investigar y/o remediar aquellos lugares donde fueron dueños de sistemas de tanques de almacenamiento soterrados, el pago de una compensación de **\$30M** y cubrir el costo de una compañía consultora que trabaja en la revisión de documentos para este acuerdo representando la DCTAS. Al día de hoy se han recibido y evaluado 65 planes de investigación y de estos ya se ha completado la investigación en 36 lugares.
- e. La DCTAS mediante referido a la Oficina de Asuntos Legales logró que una de las compañías mayorista de combustible en la isla comenzara a entrar en cumplimiento con la reglamentación vigente y llegara a acuerdos para el pago de multas mediante estipulaciones legales y la radicación de permisos de operación para sus sistemas de tanques de almacenamiento soterrados.
- f. Bajo el acuerdo cooperativo para los fondos recibidos a causa de los huracanes Irma y María la DCTAS ha realizado investigaciones de lugar y acciones correctivas en 19 facilidades.

## VII.Asuntos Pendientes

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1. Las subvenciones *LUST-Prevention Action Program* y *LUST Corrective Action Program* para el periodo 2024 a 2028 aún no han sido aprobadas por *EPA*, una vez sean aprobadas incluirán una condición donde se requiere que los puestos vacantes sean ocupados durante el primer año (contados desde la fecha de aprobación) del acuerdo o de lo contrario habrá una reducción el presupuesto solicitado.
2. Tras el paso del huracán Fiona el DRNA recibió \$1.0 millón para la limpieza de lugares donde ocurrieron derrames o escapes de sustancias contaminantes derivadas del petróleo. Se publicó una Solicitud de Propuestas (*RFP*, por sus siglas en inglés) para los trabajos de investigación y limpieza en los lugares seleccionados y actualmente queda pendiente la selección de la propuesta y la formalización del contrato que se estará completando durante los próximos meses y antes de finalizar este año natural.
3. Reestablecer el análisis por parte del Laboratorio de Investigaciones Ambientales de Puerto Rico de las muestras de las redes de muestreo de calidad de agua de las aguas costaneras, lagos y aguas subterráneas de Puerto Rico. Los resultados analíticos son necesarios para realizar el informe bianual de calidad de agua requerido por la Sección 305(b) del *CWA*. Someter el informe de calidad de agua y tener una base de datos de calidad de agua son requisitos para ser elegibles para obtener los fondos federales asignados bajo la Sección 106 del *CWA* como parte de la subvención *PPG* (aproximadamente \$2.1 millones anuales).



4. Depositar en el Departamento de Hacienda el pareo disponible para los acuerdos cooperativos (*Grant Agreements*) ya otorgados. Al momento es necesario el pareo estatal para los siguientes acuerdos:
  - CS72000119: \$784,461
  - CS72000120: \$3,488,142
  - CS72000121: \$4,144,800
  - CS72000122: \$603,930
  - 4C96237822: \$2,321,400
  - SO96238222: \$150,000
  - CS72000123: \$1,956,000
  - SO96231300: \$165,750
  - 4C96232723: \$2,718,600
5. Completar el proceso administrativo de las enmiendas al Reglamento para el Control de la Inyección Subterránea.
6. Completar el proceso de RFP con el propósito de desarrollar y obligar fondos federales identificados y otorgados para la realización de los siguientes proyectos:
  - g. Evaluación de la calidad del agua para determinar las concentraciones naturales de trasfondo de los parámetros de interés en las aguas Clase SA y SE de Puerto Rico a fin de adoptar estándares numéricos de calidad de agua aplicables a estas aguas.
  - h. Desarrollar e implementar, a través de un contrato con la Academia, un estudio en 62 áreas estuarinas con los siguientes propósitos: determinar la extensión del área estuarina; desarrollar una capa *GIS*; proponer una Red de Monitoreo de la Calidad de Agua Estuarina (número de estaciones, ubicación, parámetros a medir y frecuencia de los eventos de muestreo); y realizar el primer año de la Red de Monitoreo de la Calidad del Agua Estuarina.
  - i. Realizar un *Marine Beach Annual Sanitary Survey*, según las guías establecidas por la *EPA*, y evaluar el resultado de la encuesta, como parte del Programa de Monitoría de Playas y Notificación Pública.
7. Mudanza del Laboratorio de Investigaciones Ambientales de Puerto Rico con el propósito de evitar la pérdida de fondos federales recurrentes no competitivos (aproximadamente \$4.0 millones), poder coleccionar los datos de calidad de agua necesarios para realizar el Informe Integrado 305 (b)/303(d) requerido por el *CWA* y evitar la no implementación del Programa de Monitoreo de Playas y Notificación Pública.
8. Completar la revisión de la Estrategia de Monitoría de Calidad de Agua del DRNA para las aguas de Puerto Rico.
9. Realizar un estudio sinóptico en las unidades de evaluación incluidas en la Lista 303(d) para las cuales no existe una estación de monitoría de calidad de agua permanente.
10. Completar el "*Prioritization Framework of the 2022-2032 Vision for the Clean Water Act Section 303(d) Program*".
11. Completar el proceso de revisión al Reglamento de Estándares de Calidad de Agua de Puerto Rico, según requerido por la Sección 303(c)(1) *CWA*.
12. Desarrollar los criterios de calidad de agua de nutrientes para las aguas costeras y estuarinas de Puerto Rico.



13. Realizar un estudio sinóptico para determinar la presencia de sustancias perfluoroalquiladas y polifluoroalquiladas (*PFAs*, por sus siglas en inglés) en los cuerpos de agua de Puerto Rico.
14. Extender por dos años de investigación adicionales, del proyecto “*Development and Implementation of a Water Quality Monitoring Project in Shallow Coral Reef Areas Around Puerto Rico and Implementation of a BCG Model*”, con miras de poder desarrollar un programa de muestreo de calidad de agua permanente en las áreas de corales de Puerto Rico.



**PUERTO RICO DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES**

**WATER QUALITY AREA**

**FYs 2024 and 2025 PPG and 604(b) CONSOLIDATED WATER WORK PLAN**

**(August 6, 2024)**

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
I. Point Sources Permits Program	1.2	<p>1. Issue Water Quality Certificates (WQC) to nine (9) Major facilities and thirty-eight (38) minor which NPDES permits expire during FY-24 (see Attachment IA). During FY-25, issue Water Quality Certificates (WQC) to eight (8) Major facilities and twenty-six (26) minor which NPDES permits expire during FY-25 (see Attachment IB). In addition, the WQC of any facility included in the previous fiscal year work plan but not issued during such fiscal year. An Attachment I-C will be submitted on October 15 of each fiscal year with the aforementioned facilities.</p> <p><i>Output: Water Quality Certificates.</i></p>	PPG	Continuous
	1.2	<p>2. Process draft Water Quality Certificates for industrial and municipal facilities in accordance with Task 1 above. DNER will issue timely draft WQC subject to the receiving of a complete WQC request, the NPDES permit application from EPA, and all other supporting documents of the WQC request.</p> <p><i>Output: Draft Water Quality Certificates.</i></p>	PPG	Continuous
	1.2	<p>3. Process Water Quality Certificates for first round NPDES permit applications received from EPA.</p> <p><i>Output: Specific outputs generated will depend on a timely receipt of the permit application from EPA and completeness of the documents that support the permit application.</i></p>	PPG	Continuous
	1.2	<p>4. Prepare and require publication of public notices pertaining to draft Water Quality Certificates</p> <p><i>Output: Public notice prepared.</i></p>	PPG	Continuous
	1.2	<p>5. Respond to comment letters from the public and regulated community on draft Water Quality Certificates.</p> <p><i>Output: Response letter.</i></p>	PPG	Continuous
	1.2	<p>6. Hold public hearings on Water Quality Certificates when appropriate, as decided by the Secretary of the Puerto Rico Department of Natural and Environmental Resources (DNER).</p> <p><i>Output: Public hearing and response to comments.</i></p>	PPG	Continuous
	1.2	<p>7. Evaluate the mixing zone applications (MZAs) submitted as part of WQCs requests for NPDES permits applicable to facilities that discharge into coastal waters.</p> <p><i>Output: (a) Comment letters regarding the results of the evaluation of the mixing zone application. (b) Draft WQC with a determination on the mixing zone application.</i></p>	PPG	Continuous
	1.2	<p>8. The WQA will participate in conference calls or meetings coordinated by EPA to discuss the water quality certificates issuance status.</p> <p><i>Output: The number of conference calls or meetings in which WQA staff participated.</i></p>	PPG	Quarterly

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	9. Perform thirty-one (31) compliance evaluation inspections of the NPDES industrial facilities to be certified during FY-24 (See Attachment 2A) and twenty-eight (28) during FY-25 (See Attachment 2B).  <i>Output: Compliance Evaluation Inspection Reports</i>	PPG	Continuous
	1.2	10. Perform at least one Full Compliance Evaluation Inspection to fifty-three (53) Puerto Rico Aqueduct and Sewer Authority (PRASA) Wastewater Treatment Facilities according to the schedule established in Attachment 3 during each FY.  <i>Output: Operations and Maintenance Inspection Report.</i>	PPG	Continuous
	1.2	11. Collaborate with EPA in the inspection of sanitary sewer pump stations that have reported a considerable number of by-passes during the last year or community complaints have been received. The list of pump stations will be determined in consultation with EPA.  <i>Output: Inspection Reports</i>	PPG	Continuous
	1.2	12. Perform at least one Reconnaissance Inspection to fifty-one (51) PRASA Wastewater Treatment Facilities according to the schedule established in Attachment 3 during each FY.  <i>Output: Inspection Reports.</i>	PPG	Continuous
	1.2	13. Evaluate all the documents concerning NPDES permits and WQCs (engineering reports, plans and specs, emergency plans and SWPP plans, among others).  <i>Output: (a) Comment letters regarding results of evaluation of the documents. (b) Approval letters of the above documents.</i>	PPG	Continuous
	1.2	14. Review and process 30 permit applications for Non-discharging Wastewater Treatment Systems, in accordance with the provisions of the <i>Reglamento para la Certificación de Planos y Documentos ante la Junta de Calidad Ambiental</i> , received on a timely manner, during each fiscal year up to and including the 11 <sup>th</sup> month of the FY and the last month of the previous FY.  <i>Output: Number of permits issued and/or number of letters requesting information (Specific output effort level will depend on timely receipt of a complete permit application and supplementary documentation).</i>	PPG	Continuous
	1.2	15. Perform compliance evaluation inspections of five (5) permitted Non-discharging Wastewater Treatment Systems.  <i>Output: Compliance evaluation reports with their corresponding findings.</i>	PPG	Annually
	1.2	16. Evaluate all the documents concerning permits for Non-discharging Wastewater Treatment Systems (monitoring reports, closure plans, emergency plans and SWPP plans, among others).  <i>Output: Approval or comment letters regarding the results of the evaluation of the above-mentioned documents.</i>	PPG	Continuous

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
II. Nonpoint Source Permitting Programs	1.2	1. Continue the implementation of the Regulation for the Control of Erosion and Prevention of Sedimentation (RCEPS) as part of the 319 (h) Nonpoint Sources Management Plan and to support the Puerto Rico Coastal Nonpoint Source Program (Section 6217).  <i>Output:</i> Please refer to outputs for Tasks II.2, II.3, II.4, VIII.3, VIII.8 and XII.2.	PPG	Continuous
	1.2	2. Perform at least 100 initial inspections for new projects with approved Consolidated General Permits for Construction Activities and General Permits for Other Activities. These include the inspections performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.  <i>Output:</i> Number of inspection reports with their corresponding findings. (This output will depend on the number of new projects with approved permits received).	PPG	Annually
	1.2	3. Perform evaluations of the files of at least 100 new projects with Consolidated General Permits for Construction Activities and General Permits for Other Activities. These include the projects in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.  <i>Output:</i> Number of permits evaluated and number of projects with deficiencies notifications. (This output will depend on the number of new projects with approved permits received).	PPG	Annually
	1.2	4. Perform inspections of at least 100 on-going projects to determine compliance with RCEPS requirements. These include the inspections performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.  <i>Output:</i> Number of compliance evaluation inspections reports with their corresponding findings.	PPG	Annually
	1.2	5. Perform evaluations of on-going projects with permits modifications to determine compliance with RCEPS requirements.  <i>Output:</i> Number of permits evaluated	PPG	Annually
	1.2	6. Perform evaluations of exemption requests of the applicability of the Consolidated General Permits for Construction Activities and General Permits for Other Activities.  <i>Output:</i> Number of requests evaluated	PPG	Annually

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	<p>7. Continue the implementation of the <i>Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias</i> (the confined animal waste control regulation). Review and process 100 permits applications in accordance with the provisions of the confined animal waste control regulation received on a timely manner, during the fiscal year up to and including the 11<sup>th</sup> month of the FY and the last month of the previous FY. These include permit applications received from facilities in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of permits approved or denied and number of letters requesting information. (This output will depend on the number of permit applications received).</p>	PPG	Annually
	1.2	<p>8. Review and process permit modifications in accordance with the provisions of the confined animal waste control regulation received on a timely manner, during the fiscal year up to and including the 11<sup>th</sup> month of the FY and the last month of the previous FY. These include permit modifications received from facilities in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of permit modifications approved or denied and number of letters requesting information. (This output will depend on the number of permit modifications applications received)</p>	PPG	Annually
	1.2	<p>9. Perform evaluations of exemption requests of the applicability of the <i>Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias</i> (the confined animal waste control regulation)</p> <p><i>Output:</i> Number of requests evaluated</p>	PPG	Annually
	1.2	<p>10. Review and process authorizations for the cleanup of oxidations lagoons and receptor farms in accordance with the provisions of the confined animal waste control regulation received on a timely manner, during the fiscal year up to and including the 11<sup>th</sup> month of the FY and the last month of the previous FY. These include authorizations received from facilities in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of authorizations approved or denied and number of letters requesting information. (This output will depend on the number of authorization applications received)</p>	PPG	Annually
	1.2	<p>11. Perform inspections as part of the evaluation process of the permit applications received for animal husbandry enterprises. These include inspections performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of inspections performed with their corresponding findings. (This output will depend on the number of permits applications received)</p>	PPG	Annually

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	12. Perform at least 200 inspections of existing animal husbandry enterprises to determine compliance with regulation requirements. These include the inspections performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V below.  <i>Output: Number of Compliance Evaluation Inspections with their corresponding findings.</i>	PPG	Annually
	1.2	13. Review and process up to 45 UIC permit applications during the fiscal year up to and including the 11 <sup>th</sup> month of the FY and the last month of the previous FY. These include permit applications performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V below.  <i>Output: Number of draft and final permits issued and/or number of letters requesting information (Specific output effort will depend on timely receipt of a complete permit application and supplementary documentation).</i>	PPG	Annually
	1.2	14. Perform compliance evaluation inspections of thirty (30) UIC permitted facilities. Ten (10) of these thirty (30) will be perform to Gasoline Service Station. These include the compliance inspections performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V below.  <i>Output: Compliance evaluation reports with their corresponding findings.</i>	PPG	Annually
III. Surface and Ground Water Quality Planning	1.2	1. Perform reconnaissance inspections to PRASA's water wells and locate them with GPS as necessary.  <i>Output: Number of wells visited and well coordinates. A list of the wells visited and the observations on the conditions of the wells will be provided to EPA.</i>	PPG/604(b)	Continuous
	1.2	2. Continue the delineation of wellhead protection areas in-house according with the delineation techniques of the Well Head Protection Program (fixed radius of 1,500 ft. around the well), using the GIS capability for GPS verified wells.  <i>Output: Delineated wellhead protection areas.</i>	PPG/604(b)	Continuous
	1.2	3. Continue the coordination with the Puerto Rico Department of Agriculture (PRDA) to provide mutual assistance to address the drinking water wells in which the WQA finds the presence of pesticides.  <i>Output: Activities performed to achieve this task.</i>	PPG	Annually
	1.2	4. Notify the wells found with pesticides to PRASA, the Department of Health, the PRDA and EPA.  <i>Output: Letters issued.</i>	PPG	Annually
	1.2	5. When appropriate, coordinate and offer conferences and meetings with the Puerto Rico Agricultural Extension Service (PRAES) concerning pesticides groundwater contamination.  <i>Output: Conferences and/or meeting.</i>	PPG/604(b)	When necessary

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	<p>6. Assess water quality data gathered from the different Water Quality Monitoring Networks (coastal, groundwater, lakes, rivers, and streams) and special sampling studies, to evaluate compliance with the water quality standards and in cases of exceedance implement control measures.</p> <p><i>Output:</i> Evaluated data. This data is used to follow up on implementation of required controls for pollution abatement or prevention. In addition, this data will be used to prepare the Integrated Report (IR) 305(b)/303(d) and submit for EPA’s approval the 303(d) List due on April 1<sup>st</sup>, of even years.</p>	PPG/604(b)	April 1 of even years
	1.2	<p>7. Codify and enter into STORET (thru CDX/WQX) the appropriate laboratory and sampling water quality data obtained from the various surface water bodies (streams, rivers and lakes), coastal water segments and drinking water wells monitoring networks.</p> <p><i>Output:</i> Field and laboratory data entered in STORET and EXCEL file format.</p>	PPG	Annually
	1.2	<p>8. Maintain updated inventories of (1) point sources discharging to waters of Puerto Rico, (2) point sources with zero discharge alternatives, (3) potential pollution sources of groundwater such as landfills, oxidation lagoons, underground storage tanks and underground injection facilities. Other potential pollution sources of surface and groundwater, such as confined animal enterprises and projects subject to the Regulation for the Control of Erosion and Prevention of Sedimentation are also incorporated in these inventories. PRASA and non-PRASA drinking water supply intakes identified through coordination with PRASA and the Puerto Rico Department of Health (PRDOH), respectively, as well as intakes for livestock and agricultural uses are among the points listed in the inventories (coordinates for all drinking water sources are kept confidential and are not released to the public). Recreational and environmentally sensitive areas are also included. Existing positioning data of these sources are updated with GPS coordinates and entered the GIS database (Arc View format).</p> <p><i>Output:</i> Updated inventories with the amount of additional pollution sources identified.</p>	PPG/604(b)	Continuous
	1.2	<p>9. The WQA should work with EPA to identify and develop TMDLs established by the WQA with technical assistance from EPA. Additionally, if funds are available, EPA and its contractor will work with the WQA to develop a schedule to establish TMDLs. The WQA should coordinate with EPA and its contractor on the development, review, public notice, response to comment and the establishment of TMDL. The WQA should commit to a reasonable review time to submit comments to EPA on the contractor deliverables.</p> <p><i>Output:</i> Schedules, technical documents, comments letters or e-mails.</p>	PPG/604(b)	Continuous
	1.2	<p>10. The WQA will develop a list describing water/assessments units that are “candidates” for results under WQ-10a measure, through this fiscal year. The list of candidate waters will be updated annually by 7/31 or as data are available in 305(b) / 303(d) lists. The WQA will provide one (1) success story for watershed improvement by 9/30.</p> <p><i>Output:</i> List of assessment units for WQ-10a measures and success story.</p>	PPG/604(b)	Annually

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
IV. Non – Point Source Management Program	1.2	1. Revise the Nonpoint Source Management Program (NPSMP) document approved by EPA to incorporate climate change and environmental justice considerations according to the Draft FY 2022-2026 EPA Strategic Plan.  <i>Output: Revised Nonpoint Source Management Program.</i>	PPG/604(b)(BIL)	Annually
	1.2	2. Collaborate with the USDA Natural Resources Conservation Service (NRCS) in the implementation of the NRCS's National Water Quality Initiative.  <i>Output: Activities performed to achieve this task.</i>	PPG	Annually
	1.2	3. Participate in the National Nonpoint Source Management Program meeting.  <i>Output: Activities performed to achieve this task.</i>	PPG	Annually
	1.2	4. Implementation of the NPSMP approved by EPA, according to the Government of Puerto Rico short and long-term goals regarding the management of non-point source pollution problems caused by animal husbandry enterprises, constructions & mining and storm waters as part of the 6217 Interagency Management Committee.  <i>Output: Activities performed to achieve this task.</i>	PPG/604(b)(BIL)	Annually
	1.2	5. When appropriate, participate in the implementation of the Puerto Rico Coastal Non Point Pollution Control Plan under the Coastal Zone Management Program Section 6217.  <i>Output: Report WQA's activities performed to achieve this task.</i>	PPG	When necessary
	1.2	6. Utilize the Grant Reporting and Tracking System (GRTS) to provide all nationally mandated data elements listed in Appendix C of the Nonpoint Source Program and Grants Guidelines for all of the projects funded by the Section 319 allocation for Puerto Rico (federal and state match). NPS load reduction will be entered into GRTS by the national deadline.  <i>Output: GRTS Reports</i>	PPG/604(b)	End of February of each year
	1.2	7. Submit an Annual NPSMP Progress Report for review by Region 2 staff. This report will include a discussion of the progress of each one of the five (5) objectives described in the NPSMP document approved by EPA. This annual report will include the activities performed to implement milestones, available information on reductions in nonpoint source pollutant loadings, and available information on improvements in water quality.  <i>Output: Annual Report</i>	PPG/604(b)(BIL)	Annually



FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	<p>8. The WQA will obtain other available data and information, of water quality monitoring sampling from different government agencies, members of academic institutions, other associations, and private entities, as part of the effort to increase the information regarding the percentage of monitored waters in Puerto Rico.</p> <p><i>Output:</i> Number of assessment units with water quality data from various partners.</p>	PPG/604(b)	Annually
	1.2	<p>9. Follow up other state and federal agencies as well as other partners to encourage them to direct efforts to address the highest priority watersheds identified as part of the list of priorities developed as part of the NPSMP document.</p> <p><i>Output:</i> Activities performed by the WQA.</p>	PPG/604(b)(BIL)	Annually
	1.2	<p>10. Continue the implementation of the following activities (milestones) identified in the NPSMP document approved by EPA. Those activities will support the nonpoint source related elements such as administration, enforcement, monitoring, assessment and evaluation of program implementation, educational programs and training, as established within this PPG/604(b) work plan.</p> <ul style="list-style-type: none"> <li>• Review of the QAMP (Element X, Task 4)</li> <li>• Review QAPPs and SOPs (Element X, Task 1)</li> <li>• Performed sampling and analysis of sample collected from the monitoring networks (Element VII, Tasks 1, and 2)</li> <li>• Maintain inventories of potential water pollution sources such as: landfills, underground storage tanks, underground injection facilities subject to the Underground Injection Control (UIC) Regulation. (Element III, Task 8)</li> <li>• Continue the implementation of the Underground Injection Control Regulation (such as: UIC permits, inspections, and enforcement actions). (Elements II, and VIII)</li> <li>• Continue the implementation of the <i>Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias</i> (the confined animal waste control regulation) (such as: Livestock enterprises permit, inspections, enforcement actions). (Elements II, V, and VIII)</li> <li>• Continue the implementation of the Regulation for the Control of Erosion and Prevention of Sedimentation (RCEPS) (such as: inspections and enforcement actions). (Elements II, V and VIII)</li> <li>• Water Quality Assessment (such as: Integrated report 305(b)/303(d), delisted water bodies, success stories, etc.) (Elements III, and VI)</li> <li>• Reporting Measures (such as: SP-11, SP-10, and WQ-10a). (Element III)</li> <li>• Revision of the Puerto Rico Water Quality Standards Regulation. (Element VI)</li> <li>• Outreach (Element XI)</li> </ul> <p><i>Output:</i> Please refer to the specific task for the corresponding output.</p>	PPG/604(b) (base + BIL)	Annually

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	11. The WQA will maintain the Integrated UIC Database.  <i>Output:</i> Updated database.	PPG	Continuous
V. Implementation of TMDL in high priority assessment units in Puerto Rico	1.2	1. Perform reconnaissance within the high priority assessments units (identify in the priority ranking of the NPSMP), that have a TMDL approved by EPA, to identify possible bacterial pollution sources; and locate these sources with GPS.  <i>Output:</i> Number of visits performed, and Notifications of Violation (NOV) issued. The number of NOV will depend on the amount of non-filer facilities encountered, and GIS layer.	PPG/604(b) (base + BIL)	Annually
	1.2	2. Refer the pollution sources identified in task 1 above to the corresponding agencies or DNER Programs.  <i>Output:</i> Number of referrals performed.	PPG/604(b) (base + BIL)	Continuous
VI. Puerto Rico Water Quality Standards	1.2	1. Work with EPA to develop the scope of revision to be addressed during the next triennial review process of the PRWQSR which is scheduled to be completed during FY-25.  <i>Output:</i> Activities performed related to this task.	PPG/604(b)	FY-24
	1.2	2. Complete the triennial review process of the Puerto Rico Water Quality Standards Regulation (PRWQSR).  <i>Output:</i> Amended PRWQSR.	PPG/604(b)	FY-25
VII. Ambient Monitoring	1.2	1. The WQA will perform the sampling and analyses of samples collected from the networks identified below in accordance with the approved Quality Assurance Project Plans (QAPP's) for each of the respective projects. All the water quality data gathered from these monitoring networks will be used in the preparation of the Integrated Report 305(b) / 303(d).  (a) Puerto Rico Groundwater Monitoring Network (one event per year). (b) Puerto Rico Coastal Water Quality Monitoring Network (six events per year). (c) Lakes Water Quality Monitoring Network (three events per year).  <i>Output:</i> Number of sampling events performed for each Network.	PPG	Continuous
	1.2	2. DNER will continue using the services of the USGS under the Interagency Cooperative Agreement, for the sampling and analyses of the surface water body portions of the Watersheds Monitoring Network.  <i>Output:</i> Water quality data on surface waters maintained in EXCEL file format.	PPG	Continuous

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	3. Continue the implementation of the Continuing Planning Process (CPP) using the above-obtained data to determine the overall water quality and to determine the level of compliance with Puerto Rico's water quality standards.  <i>Output:</i> CPP implementation.	PPG/604(b)	Continuous
	1.2	4. Assist EPA personnel, academia or other State or Federal agencies, upon request, in performing ambient sampling activities undertaken in Puerto Rico.  <i>Output:</i> Ambient sampling activities performed in conjunction with EPA, academia or other State or Federal agencies personnel.	PPG	Annually
	1.2	5. Complete the revision of the Puerto Rico Water Quality Monitoring Strategy.  <i>Output:</i> Puerto Rico Water Quality Monitoring Strategy document.	PPG/604(b)	FY-22
	1.2	6. Water quality monitoring project in coral reef around the Island to obtain the supporting information necessary to review the Turbidity and Temperature water quality standards applicable to coastal waters around the Island.  <i>Output:</i> Activities performed to achieve this task.	106 Monitoring Initiative Funds + 106 Base Funds	September 30, 2024
VIII. Enforcement and Compliance	1.2	1. The WQA will refer to EPA any NPDES permitted facility or NPDES non-filer that the WQA considers appropriate for enforcement action.  <i>Output:</i> The WQA referral for enforcement action.	PPG	Continuous
	1.2	2. Assist EPA, upon request, in performance of compliance effluent sampling inspections of facilities located in Puerto Rico.  <i>Output:</i> Sampling inspections performed in conjunction with EPA.	PPG	Continuous
	1.2	3. Attend water pollution complaints caused by point or non-point sources throughout the Island.  <i>Output:</i> Number of complaints responded.	PPG/	Continuous
	1.2	4. Continue coordinating efforts with the San Juan Bay Estuary Program in addressing water pollution problems that may impact the estuary system.  <i>Output:</i> Activities performed, and actions taken to address sources of pollution problems.	PPG	Continuous
	1.2	5. The WQA will participate upon request of the U.S. Coast Guard and the Caribbean Environmental Protection Division in the investigation of oil and hazardous materials spills.  <i>Output:</i> The WQA will report investigated spills.	PPG	Continuous
	1.2	6. The WQA will participate in the investigation of any reported fish kills.  <i>Output:</i> The WQA will report investigated fish kill.	PPG	Continuous

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	<p>7. DNER will take all appropriate enforcement actions against owners of sites where activities are being performed in violation of the Regulation for the Control of Erosion and Prevention of Sedimentation. This includes projects in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of NOVs, Referrals to the Office of Legal Affairs, and Administrative Orders issued. This output will depend on the number of facilities encountered in violation.</p>	PPG	Continuous
	1.2	<p>8. DNER will take all appropriate enforcement actions against owners of sites where activities are being performed in violation of the <i>Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias</i>. This includes facilities in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of NOVs, Compliance Plans approved, Referrals to the Office of Legal Affairs, and Administrative Orders issued. This output will depend on the number of facilities encountered in violation.</p>	PPG	Continuous
	1.2	<p>9. Perform inspections to non-permitted facilities to determine applicability of the Regulation for the Control of Erosion and Prevention of Sedimentation, or the Consolidated General Permits for Construction Activities and General Permits for Other Activities.</p> <p><i>Output:</i> Number of inspections performed</p>	PPG	Continuous
	1.2	<p>10. Perform inspections to non-permitted facilities to determine applicability of the <i>Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias</i>.</p> <p><i>Output:</i> Number of inspections performed</p>	PPG	Continuous
	1.2	<p>11. Perform thirty (30) inspections to non-permitted facilities to determine applicability of UIC Regulations. Ten (10) of these thirty (30) inspections will be performed in high priority assessment units in Puerto Rico that are addressed with 319 (h) Incremental Funds for the implementation of TMDLs, established on Element V.</p> <p><i>Output:</i> Number of NOVs issued.</p>	PPG	Continuous
	1.2	<p>12. DNER will take all appropriate enforcement actions against owners of sites where activities are being performed in violation of the Underground Injection Control Regulation. Projections in terms of enforcement actions are as follows: at least 15 Notice of Violations (NOV), and at least 6 Administrative Orders.</p> <p><i>Output:</i> Number of NOVs, Referrals to the Office of Legal Affairs, and Administrative Orders issued. This output will depend on the number of facilities encountered in violation.</p>	PPG	Continuous

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	13. Evaluate monitoring and sampling reports submitted by the UIC regulated facilities to determine permit compliance.  <i>Output:</i> Number of reports evaluated.	PPG	Continuous
	1.2	14. Perform five (5) follow-up inspections to UIC facilities with permit non-compliance shown in monitoring and sampling reports.  <i>Output:</i> Number of inspections performed.	PPG	Continuous
	1.2	15. Carry out inspections and investigations of UIC leak incidents from permitted and non-permitted facilities and prepare follow-up reports of each incident.  <i>Output:</i> Number of leaking incidents investigated (Actual output depends on the number of leak incidents reported.)	PPG	Continuous
	1.2	16. Evaluate UIC Closure Plans, Compliance Plans, and other related documents.  <i>Output:</i> Number of plans or documents evaluated.	PPG	Continuous
IX. Program Administration	---	1. The WQA will participate in meetings or conference calls and/or respond to comments, as a result of the end-year review/evaluations conducted by EPA.  <i>Output:</i> Response letter to end-year review comments.	PPG/604(b)	Annually
	---	2. Coordination of assigned commitments and evaluations of outputs to develop the annual reports.  <i>Output:</i> Annual reports.	PPG/604(b)	Continuous
	---	3. Assist the Administration Office and the External Resources Office in the implementation of the accounting system in order to meet EPA's requirements.  <i>Output:</i> Activities performed to achieve this task.	PPG	Continuous
	---	4. The WQA will submit a UIC report (Form 7520) biannually to EPA by May 15 and November 15 of each year. This report will include all mandatory EPA reporting measures.  <i>Output:</i> EPA Form 7520 (UIC Federal Reporting System).	PPG	Continuous
X. Quality Assurance	1.2	1. Review and revise, as necessary, all QAPPs and SOPs currently implemented by the WQA.  <i>Output:</i> Revised QAPPs and SOP's as necessary.	PPG/604(b)	Annually
	1.2	2. Submit an annual Quality Assurance Work Plan.  <i>Output:</i> Quality Assurance Work Plan to be included in the Quality Assurance Annual Report to be submitted to EPA.	PPG/604(b)	1 <sup>st</sup> Quarter

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	3. The WQA will submit the annual Quality Assurance Report as part of the submittal of the PPG/WQMP end of year Report.  <i>Output: Quality Assurance Annual Report.</i>	PPG/604(b)	Annually
	1.2	4. Review and revise, if necessary, the Quality Assurance Management Plan (QMP) for approval.  <i>Output: If necessary, revised QMP.</i>	PPG	When necessary
	1.2	5. Prepare the Annual QA Progress Report to be submitted to the EPA Region 2 Quality Assurance Officer.  <i>Output: Annual QA Progress Report.</i>	PPG/604(b)	April 30, of each FY
	1.2	6. Perform one (1) Field Sampling Oversight and Technical Audit per Monitoring Network.  <i>Output: Field Sampling and Technical Audit Report.</i>	PPG/604(b)	Annually
	1.2	7. Perform one (1) Laboratory Audit of any of the laboratory test methods or procedures.  <i>Output: Laboratory Audit Report.</i>	PPG/604(b)	Annually
	1.2	8. Perform Data Quality Assessments and Verifications of the data.  <i>Output: Data Quality Assessment and Verification Reports.</i>	PPG/604(b)	Continuous
XI. Other	1.2	1. The Puerto Rico Environmental Research Laboratory (PRERL) will participate in any water pollution proficiency test study for all pertinent analysis conducted by the Laboratory. Water pollution proficiency test results will be shared with the EPA Quality Assurance Officer.  <i>Output: Proficiency test results.</i>	PPG	Annually
	1.2	2. Pollution prevention is continually being promoted within the Agency and in external activities such as presentations on surface/groundwater protection, storm water management and erosion controls, proper management and disposal of animal waste and animal waste management systems regulation, as well as pesticides use. Technical support activities, seminars and orientation to the general public and regulated communities also include reminders of and suggestions of pollution prevention activities. Pollution prevention measures and conditions such as best management practice plans, spill prevention plans and emergency contingency plans are included in permits, whenever appropriate. In addition, the WQA requests the submittal of Best Management Practices Plans to confined animal operations that are not regulated by the <i>Reglamento para el Control de los Desperdicios Fecales de Animales de Empresas Pecuarias</i> (the confined animal waste control regulation), in order to prevent the pollution associated to the inappropriate management of animal waste in these facilities. These activities promote the incorporation of actions to increase resilience and adaptation to climate change impacts and improve conditions in communities with environmental justice concerns.  <i>Output: Activities performed to achieve this task.</i>	PPG	Continuous

FYs 2024 AND 2025 PPG AND 604 (b) CONSOLIDATED WATER WORKPLAN

ELEMENT	OBJECTIVE	TASK	SOURCE OF FUNDS (PRC)	TIMING
	1.2	3. Secure technical assistance and training for state personnel on UIC program implementation.  <i>Output:</i> Training taken by UIC personnel.	PPG	Annually
	1.2	4. Participate in seminars and workshops to provide technical assistance and training to the personnel on program implementation.  <i>Output:</i> Training taken by personnel	PPG/604(b)	Continuous
	1.2	5. Manage any contract funded with any PPG and/or Water Quality Management Planning cooperative agreement.  <i>Output:</i> Activities performed related to this task.	PPG/604(b)	Continuous



GOVERNMENT OF PUERTO RICO  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES

**BEACH MONITORING AND PUBLIC NOTIFICATION PROGRAM  
WORK PLAN FISCAL YEAR 2024-2025  
Grant Beach Monitoring and Notification Program  
Implementation Program  
CU96257419-4**





GOVERNMENT OF PUERTO RICO  
 OFFICE OF THE GOVERNOR  
 DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
 WATER QUALITY AREA-

Beach Monitoring and Public  
 Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	ii	of	xi

## Table of Contents

Introduction.....	3
Essential Elements .....	4
Essential Element 1: Strategic Plan Goal 5.....	4
Essential Element 2: Strategic Plan Objective 5.2 .....	4
Essential Element 3: Workplan Commitments plus Time Frame .....	4

## List of Appendixes

Appendix 1: List of Beaches Included in the BMPNP .....	8
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GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	3	of	11

## Introduction

This document describes the Puerto Rico Department of Natural and Environmental Resources (PRDNER) Beach Monitoring and Public Notification Program (BMPNP) work plan for Fiscal Year 2024-2025 (FY 2025). It includes the three essential elements required, namely: Strategic Plan Goal 5, Strategic Plan Objective 5.2, and Work Plan Commitments plus Time Frame. In addition, this work plan defines the tasks to be carried out regarding sampling, notification, data and advisory submission to EPA, and grant reporting for the grant year, as well as the responsible individuals for the fulfillment of the tasks and time frame (frequency) to achieve them.

In FY 2025, the BMPNP will continue to be implemented in the 35 of the 36 beaches selected and approved by EPA on October 2013<sup>1</sup> (See Appendix 1). All beaches included in the Program continue to be ranked as Tier 1, since in Puerto Rico there is no significant season variability through the whole year and there is a high beach usage all through the Public Beach Districts (PBD) and other coastal areas.

Sampling will continue to be carried out every two weeks, on Monday or Tuesday, depending on the route. Resampling will continue to be performed whenever the quality of the water is not suitable for primary contact recreation, one week from the previous sampling event (Monday or Tuesday). For the characterization of the water quality of the beaches, the Environmental Research Laboratory of Puerto Rico (ERLPR) will continue to analyze the samples using Enterolert Defined Substrate Technology and Quanti-Tray. qPCR was considered again, but at the present time cannot be implemented, due to unavailability of funds and of expertise. In addition, the potential use of predictive tools and/or models was considered, but at this time there are no available resources to develop them.

Public notification will continue to be issued for those beaches that exceed the Beach Action Value (BAV) for *Enterococcus* (70 colonies/100 mL). The public will continue to be notified through a Press Notification (PN), and the Agency's web page and social networks (Twitter, @DRNAGPR) of the beaches that are unsuitable for primary contact recreation. In addition, beach administrators and EPA will continue to be notified of the sampling results through *Playas al Día* email. Beach administrators continue to be responsible for notifying the public when the BAV is exceeded. Monitoring data will continue to be included on the Agency's web page.

When deemed necessary or whenever a change is included in the beach program, the public will have the opportunity to review the beach evaluation and classification process, and monitoring plan. On the other hand, the effectiveness of the notification process will continue to be evaluated once a year through a survey that will be posted on the Agency's web page, which shall be answered by the public (including administrators). Also, the survey will be conducted on visits that will be

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<sup>1</sup> Due to safety reasons, Playa Jauca was eliminated from the program on September 2015.



carried out on various beaches. In addition, the effectiveness of the public notification also will be assessed by surveying mass media editors.

## Essential Elements

### Essential Element 1: FY 2022 – 2026 EPA Strategic Plan Goal 5

The goal 5 of the strategic plan is to ensure clean and safe water for all communities.

### Essential Element 2: FY 2022 – 2026 EPA Strategic Plan Objective 5.2

The objective 5.2 of the strategic plan is to protect and restore waterbodies and watersheds. This would be accomplished by collecting data and notifying the public to minimize human health impacts by pathogens.

### Essential Element 3: Work Plan Commitments plus Time Frame

The following table describes the tasks to be carried out, the responsible individuals for the fulfillment of the tasks and frequency to achieve them.

Element	Tasks	Individual(s) Responsible for Completion of Tasks	Frequency
<b>Sampling</b>	Conduct sampling events in the 35 beaches included in the Beach Program, to monitor the following parameters: ✦ Bacteriological – <i>Enterococcus</i> ✦ Physical - pH and temperature  Sampling and <i>in-situ</i> measurements will be carried out following the procedures established in the Quality Assurance Project Plan (QAPP) and field SOPs.	Water Quality Area (WQA) Water Sampling Division (WSD) personnel	Every two weeks (Monday or Tuesday, depending on the route)
	Analyze bacteriological samples using Defined Substrate Technology and Quanti-Tray (Enterolert) in accordance with the laboratory SOP and QAPP.	ERLPR personnel	Every day that a sampling event is carried out
	Validate field data and laboratory results, according to the WSD and ERLPR SOPs, QAPP and Quality Management Plan Water Quality Area Fiscal Years 2021-2025.	QA Officer	Every week that a sampling event is carried out



GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	5	of	11

Element	Tasks	Individual(s) Responsible for Completion of Tasks	Frequency
<b>Sampling</b>	Evaluate validated sampling and analysis reports to determine which beaches comply with the BAV for <i>Enterococcus</i> (70 colonies/100 mL) and which do not comply.	Plans and Special Project Division (PSPD) personnel	Every week that a sampling event is carried out
	Resample those beaches that exceed the BAV for <i>Enterococcus</i> . This task includes the analysis of samples, validation of results, and evaluation of data to determine if the water quality of the beaches comply with <i>Enterococcus</i> BAV.	WQA WSD personnel, ERLPR personnel, QA Officer, and PSPD personnel	One week from the day of exceedance (Monday or Tuesday)
<b>Notification</b>	After each sampling event, notify the public about the current water quality conditions at the beaches through the following procedures:		
	✦ Press Notification, to main mass media (print, radio, television, and web)	Press Officer (PO)	As per the last sampling event
	✦ Beaches Map in the Agency's web page	PSPD personnel and Office of Information Systems (OIS) personnel	Update it as per the last sampling event
	✦ Analytical results table in the Agency's web page	PSPD personnel and OIS personnel	Update it as per the last sampling event
	✦ Twitter page	Office of the Secretary personnel	Update it as per the last sampling event
	✦ Internal web page	PSPD personnel and Office of the Secretary personnel	As per the last sampling event
	✦ Local government notification, including beach administrators (email)	PSPD personnel	As per the last sampling event
	✦ EPA notification (email)	PSPD personnel	As per the last sampling event
<b>Data Management and Advisory Submission to EPA</b>	Store data in the Agency's database (Excel)	PSPD personnel	Continuous



GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	6	of	11

Element	Tasks	Individual(s) Responsible for Completion of Tasks	Frequency
<b>Data Management and Advisory Submission to EPA</b>	Submit notification and monitoring data (information of previous year) to EPA-CDX program through a XLM format. Monitoring and notification data will be submitted consistent with the reporting requirements specified at <a href="https://www.epa.gov/beach-tech/submitting-beach-data-epa">https://www.epa.gov/beach-tech/submitting-beach-data-epa</a> .	PSPD personnel	January 2025
	Once the notification and monitoring data (information of previous years) is submitted, a verification will be performed consistent with the reporting requirements specified at <a href="https://www.epa.gov/beach-tech/submitting-beach-data-epa">https://www.epa.gov/beach-tech/submitting-beach-data-epa</a> .	PSPD personnel	March 2025
<b>Grant Reporting for the Grant Year</b>	Submit to EPA an Annual Performance Report – Compile the outputs of all tasks carried out under each element, problems that impaired the ability to meet the outputs/outcomes, and any other pertinent information.	PSPD personnel	September 30, 2025
	Submit to EPA a Final Report – Agreed-upon work-products resulting from the project and an abstract/overview of the project, comparison of actual accomplishments, reasons why outputs were not met, the methods to be used to effectively disseminate project information, and materials generated.	PSPD personnel	At the end of the grant cycle
<b>Public Review</b>	As part of the Performance Criteria revision process, publish the beach evaluation and classification process, and monitoring plan, in order that the public could review them and submit comments.	PSPD personnel, OIS personnel, and PO	If deemed necessary
<b>Public Evaluation of the Program</b>	Post a survey in the Agency’s web page that shall be answered by the public (including administrators).	PO and TIO personnel	Annually
	Conduct a survey in various beaches.	PSPD personnel	Annually
	Survey mass media editors.	PO	Annually



GOVERNMENT OF PUERTO RICO  
 OFFICE OF THE GOVERNOR  
 DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
 WATER QUALITY AREA-

Beach Monitoring and Public  
 Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	7	of	11

Element	Tasks	Individual(s) Responsible for Completion of Tasks	Frequency
<b>Public Evaluation of the Program</b>	Document the evaluation of the program and include it in the annual report.	PSPD personnel	Annually
<b>Revision of the QAPP</b>	Revise the QAPP of the BMPNP to include any changes to the program or requirements.	WQA Manager, WQA WSD personnel, ERLPR personnel, QA Officer, and PSPD personnel	If deemed necessary.
<b>Revision of the Quality Management Plan</b>	Revise the Quality Management Plan Water Quality Area Fiscal Years 2021-2025 approved by EPA to include any QA/QC changes or requirements.	WQA Manager, WQA WSD personnel, ERLPR personnel, QA Officer, and PSPD personnel	If deemed necessary.



GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	8	of	11

## Appendix 1: List of Beaches Included in the BMPNP



GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	9	of	11

Beach Name	Location	AU ID	Classification	Station ID and Location	Coordinates
<b>Route 1: Dorado - Loíza</b>					
Balneario Manuel "Nolo" Morales or Sardinera	Road PR-693 Int. PR-697, Costas de Oro, Dorado	PRNC08	SB	RW-18 At the front of the administration building.	18°28'28.90" 66°16'51.21"
Balneario Punta Salinas	Road PR-165, Levittown, Toa Baja	PRNC09	SB	RW-19 At the front of the administration building.	18°28'17.97" 66°11'09.58"
Balneario El Escambrón	Muñoz Rivera Ave., Stop 8, Puerta de Tierra, San Juan	PREC12	SB	RW-20A At the front of the showers and lifeguard stand.	18°28'02.05" 66°05'23.85"
Playa Sixto Escobar	Muñoz Rivera Ave., Stop 8, Puerta de Tierra, San Juan	PREC12	SB	RW-25A At the center of the bathing area.	18°28'00.23" 66°05'12.00"
Playita del Condado	Ashford Ave., west to El Condado Plaza Hotel, San Juan	PRC13	SB	RW-26 At the center of the bathing area.	18°27'40.07" 66°04'56.67"
Ocean Park	General Patton Street, San Juan	PREC13	SB	RW-27 At the center of the bathing area.	18°27'10.84" 66°02'55.97"
Playa El Alambique	Isla Verde Ave., José M. Tartak Street, Carolina	PREC14	SB	RW-28 At the center of the bathing area.	18°26'38.73" 66°01'19.74"
Balneario de Carolina	Road PR-187, Boca de Cangrejos, Carolina	PREC14	SB	RW-21C At the center of the bathing area.	18°26'45.56" 66°00'12.86"
Vacía Talega	Road PR-187, Loíza	PREC15	SB	RW-29 At the center of the bathing area.	18°26'52.29" 65°54'22.43"
<b>Route 2: Arroyo - Luquillo</b>					
Balneario Punta Guilarte	Road PR-3 Km 126, Arroyo	PRSC32	SB	RW-7 At the center of the bathing area	17°57'43.35" 66°02'24.00"
Balneario de Patillas	Road PR-3 Km 1.7, Los Bajos Ward, Patillas	PRSC32	SB	RW-6 At the center of the bathing area.	17°58'26.31" 65°59'20.33"
Playa Guayanés	El Ancla Beach Hotel, Yabucoa	PREC28C	SB	RW-30 At the center of the bathing area.	18°03'45.70" 65°49'09.10"
Balneario Punta Santiago	Road PR-3 Km 72.4, Humacao	PREC25	SB	RW-4 At the center of the bathing area.	18°09'30.29" 65°45'18.67"
Tropical Beach	Road PR-3 (confluence of Río Blanco and Río Santiago), Naguabo	PREC25	SB	RW-31 At the center of the bathing area.	18°11'12.94" 65°43'33.48"





GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4
Fiscal Year	2025
Page:	10 of 11

Beach Name	Location	AU ID	Classification	Station ID and Location		Coordinates	
Balneario Seven Seas	Road PR-195 Km 4.8 Las Croabas, Fajardo	PREC18	SB	RW-2	At the center of the bathing area	18°22'09.36"	65°38'09.86"
Playa Azul	Luquillo Beach Boulevard (east of town), Luquillo	PREC18	SB	RW-32	At the center of the bathing area	18°22'54.72"	65°43'06.45"
Balneario La Monserrate	Road PR-3, Luquillo	PREC17	SB	RW-1A	In front of the administration building.	18°23'08.13"	65°43'46.1"
<b>Route 3: Lajas - Salinas</b>							
Playita Rosada	Camino de los Guayacanes, Lajas	PRSC41B2	SB	RW-33	In the pool.	17°58'18.18"	66°01'53.40"
Playa Santa	Road PR-325 Final, Providencia, Guánica	PRSC41B1	SB	RW-10	At the center of the bathing area, in front of AEELA building.	17°56'15.76"	66°57'18.71"
Caña Gorda	Road PR-333 Km 2.6 Caña Gorda Ward, Guánica	PRSC40	SB	RW-9	At the center of the bathing area.	17°57'09.11"	66°53'04.42"
Playa Cabullón	Road PR-12, Ave. Caribe, right of the river mouth channel of Río Portugués and Río Bucaná, Ponce	PRSC36B	SB	RW-34	In front of the bathing area.	17°58'9.42"	66°36'9.82"
Balneario de Salinas	Road PR-1, Salinas	PRSC34	SB	RW-36	At the center of the bathing area.	17°58'39.32"	66°19'56.99"
<b>Route 4: Cabo Rojo</b>							
Playa El Combate	Road PR-3301 Final West Side, Cabo Rojo	PRSC43	SB	RW-12B	Near Los Salitrales	17°58'29.26"	67°12'46.46"
Playa Moja Casabe	Road PR-3301 Final, East Side, Cabo Rojo	PRWC43	SB	RW-14A	Alongside of where the office of the Department of Natural and Environmental Resources is located	17°59'8.92"	67°12'52.52"



GOVERNMENT OF PUERTO RICO  
OFFICE OF THE GOVERNOR  
DEPARTMENT OF NATURAL AND ENVIRONMENTAL RESOURCES  
WATER QUALITY AREA-

Beach Monitoring and Public  
Notification Program Work Plan

Grant No.	CU96257419-4		
Fiscal Year	2025		
Page:	11	of	11

Beach Name	Location	AU ID	Classification	Station ID and Location		Coordinates	
Balneario de Boquerón	Road-101, Poblado Boquerón, Cabo Rojo	PRWC43	SB	RW-13	At the center of the bathing area.	18°01'09.99"	67°10'20.08"
Playa Buyé	Road PR-307 Km 3.8, Pederrales Ward, Cabo Rojo	PRWC44	SB	RW-8	At the center of the bathing area	18°02'55.94"	67°11'55.05"
Villa Lamela	Camino La Mela Final, Cabo Rojo	PRWC44	SB	RW-37	At the center of the bathing area.	18°03'52.32"	67°11'51.10"
<b>Route 5: Añasco - Aguadilla</b>							
Balneario de Añasco or Balneario Tres Hermanos	Road PR-115 Km 5, Hatillo Ward, Añasco	PRWC49	SB	RW-15	At the center of the bathing area.	18°17'16.79"	67°11'38.12"
Balneario de Rincón	Road PR-115 Int. Cabijas, Rincón	PRWC50	SB	RW-5	At the center of the bathing area.	18°20'27.33"	67°15'21.62"
Pico de Piedra	Road PR-115 Km 21, Aguada	PRWC51	SB	RW-22	At the center of the bathing area.	18°23'03.71"	67°12'46.76"
Balneario Crash Boat	Road PR-458 Final, Borinquen Ward, Aguadilla	PRWC52	SB	RW-16	At the center of the bathing area.	18°27'27.60"	67°09'49.60"
<b>Route: 6: Arecibo - Vega Alta</b>							
Muelle de Arecibo	Road PR-655, Arecibo	PRNC03	SB	RW-38	At the center of the bathing area.	18°28'45.33"	66°42'01.68"
Mar Chiquita	Road PR-648, Manatí	PRNC05	SB	RW-39	At the center of the bathing area.	18°28'22.50"	66°29'08.36"
Balneario de Puerto Nuevo	Road PR-692 Km 12, Vega Baja	PRNC06	SB	RW-23	At the center of the bathing area.	18°29'28.92"	66°23'56.56"
Balneario Cerro Gordo or Javier Calderón Nieves	Road PR-690, Cerro Gordo Ward, Vega Alta	PRNC07	SB	RW-17	At the center of the bathing area.	18°28'52.50"	66°20'26.36"
<b>AU</b> = Assessment Unit; <b>SB</b> = Coastal and estuarine waters designated for primary and secondary contact recreation, and propagation and preservation of desirable species including threatened or endangered species, as defined in the Puerto Rico Water Quality Standards Regulation; <b>RW</b> = Recreational Waters							

**ENVIRONMENTAL QUALITY BOARD  
UST PREVENTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
<b>ADMINISTRATION</b>				
<b>A. <u>Close-out Activities</u></b>				
<ul style="list-style-type: none"> <li>❖ Respond to inquiries from EPA Grant Specialist and Project Officer</li> <li>❖ Compile and revise list of equipment</li> <li>❖ Complete and submit required documentation and reports</li> </ul>	Continuous	- Comply with the Administrative Conditions established in the Cooperative Agreement	- EQB Budget, Finance, and External Resources Office	
	Quarterly	- Submit the necessary Reimbursement (Payment) Requests, Submit the Final Federal Financial Reports (FFR) and others - Updated Equipment List Inventory	- EQB Property and Storage Office	
<b>GENERAL PROGRAM ACTIVITIES</b>				
<b>A. <u>Reporting</u></b>				
<ul style="list-style-type: none"> <li>❖ Prepare the Mid-Year and End-of-Year Narrative Performance Report.</li> <li>❖ Prepare the Mid-Year and End-of-Year Performance Measure Report.</li> </ul>	April 30 and October 30	- Mid-Year and End-of-Year Narrative Performance Reports <ul style="list-style-type: none"> <li>• Summary of all programmatic activities performed within the report period during the approved budget/project period</li> </ul>	- Water Quality Area Manager	014278
	April 30 and October 30	- Performance Measures Reports <ul style="list-style-type: none"> <li>• Mid-Year (MY) and End-of-Year (EOY) Reports (a.k.a. Semi-Annual Activities Reports)</li> <li>• UST-1: Total Number of Petroleum UST Systems Regulated Under Subtitle I (both active and closed)</li> <li>• UST-2: Total Number of Permanently Closed Petroleum UST Systems Regulated Under Subtitle I</li> <li>• UST-3: Total Number of Hazardous Substance UST Systems (both active and closed)</li> <li>• UST-7: Number of On-Site Inspections Conducted</li> <li>• UST-9a: Percentage of UST Facilities in Compliance with 2015 Spill Prevention Requirements</li> <li>• UST-9b: Percentage of UST Facilities in Compliance with 2015 Overfill Prevention Requirements</li> <li>• UST-9c: Percentage of UST Facilities in Compliance with 2015 Corrosion Protection Requirements</li> <li>• UST-9d: Percentage of UST Facilities in Compliance with 2015 Release Detection Requirements</li> <li>• UST-9e: Technical Compliance Rate</li> <li>• UST-10: Percentage of UST Facilities in Compliance</li> </ul>	- Water Quality Area Sub-Manager - UST Management Division Chief - Office Systems Technician III - Office Systems Auxiliary I - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector	014149 014254 014613 014387 014496 014197 014522 014413 014477 014521 014424 014398 014587 014295 014547

**ENVIRONMENTAL QUALITY BOARD  
UST PREVENTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
		with Energy Policy Act Operator Training Requirements <ul style="list-style-type: none"> <li>• UST-11: Percentage of UST Facilities in Compliance with Financial Responsibility Requirements</li> <li>• UST-12: Percentage of UST Facilities in Compliance with 2015 Walkthrough Requirements</li> </ul>	- Geologist	014428
<b>B.</b>				
❖ Implement a Comprehensive Compliance and Enforcement Program.	Continuous	<ul style="list-style-type: none"> <li>- Number of Notices of Violation (NOV's) Issued to UST Facilities (goal = 20)</li> <li>- Number of Referrals to EQB's Legal Division (goal = 3)</li> <li>- Number of Administrative Orders (AO) Issued (goal = 2)</li> </ul>	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Permits Officer</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> <li>- Lawyer I</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> <li>014587</li> <li>014295</li> <li>014547</li> <li>014428</li> <li>014508</li> </ul>

**ENVIRONMENTAL QUALITY BOARD  
UST PREVENTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
			- Legal Affairs Manager	014509
			- Office Systems Technician II	014467
<b>C.</b>				
❖ Review all the documentation submitted by the regulated community to determine compliance with state and federal regulations towards timely notifications, progress of field activities, and closure actions.	Continuous	<ul style="list-style-type: none"> <li>- Number of Operation Permits Issued (goal = 650)</li> <li>- Number of Letters Sent to the Regulated Community Due to Irregularities, Deficiencies, Discrepancies, etc. (goal = 50)</li> <li>- Number of Site Investigation (Sampling) Plans Evaluated and Approved</li> <li>- Number of UST Systems Installations (goal = 5)</li> <li>- Number of UST Systems Replacements (goal = 2)</li> <li>- Number of Final Closure Reports Evaluated and Approved (goal = 5)</li> <li>- Number of Permanently Closed UST Systems (goal = 5)</li> <li>- Number of Follow-up Compliance/Enforcement (On-Site) Inspections Made (goal = 50)</li> </ul>	- Water Quality Area Manager	014278
			- Water Quality Area Sub-Manager	014149
			- UST Management Division Chief	014254
			- Office Systems Technician III	014613
			- Office Systems Auxiliary I	014387
			- Environmental Quality Specialist II	014496
			- Environmental Quality Specialist II	014197
			- Environmental Quality Specialist II	014522
			- Environmental Quality Specialist II	014413
			- Environmental Quality Specialist II	014477
			- Environmental Quality Specialist II	014521
			- Environmental Quality Specialist II	014424
			- Environmental Quality Inspector	014398
			- Environmental Quality Inspector	014587
- Environmental Quality Inspector	014295			
- Environmental Quality Inspector	014547			
- Geologist	014428			
<b>D.</b>				
❖ Create and Maintain a Database with Current Information and Digital Maps of Active UST Sites	Continuous	- Develop Digital Maps Database of LUST/UST Facilities with Name of Facility (brand major oil or independent), Owner/ Operator Name and Telephone Number, Physical Address, GIS Coordinates, UST Number, Expiration Date of	- Water Quality Area Manager	014278
			- Water Quality Area Sub-Manager	014149

**ENVIRONMENTAL QUALITY BOARD  
UST PREVENTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
		Operation Permit, Number of Tanks / Capacity / Substance Stored, and Current Status (operating, closed, LUST or No-LUST)	<ul style="list-style-type: none"> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> </ul>	<ul style="list-style-type: none"> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> <li>014587</li> <li>014295</li> <li>014547</li> <li>014428</li> </ul>
<b>E.</b>				
❖ Update the Information on the Public Record and Publish it on the EQB's Web Page	Annually	<ul style="list-style-type: none"> <li>- Public Record of LUST/UST Facilities in Puerto Rico               <ul style="list-style-type: none"> <li>• Number of UST Facilities Inspected (per Year) (goal = 577)</li> <li>• Number of UST Facilities in Compliance (per Year) (goal = 144)</li> <li>• Percent of UST Facilities in Compliance (per Year) (within the 3-Year Inspection Cycle) (goal = 25%)</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> </ul>

**ENVIRONMENTAL QUALITY BOARD  
UST PREVENTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
			<ul style="list-style-type: none"> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> </ul>	<ul style="list-style-type: none"> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> <li>014587</li> <li>014295</li> <li>014547</li> <li>014428</li> </ul>
<ul style="list-style-type: none"> <li>❖ Review all correspondence, communications, inspections, and other information and update the Access Database, the UST facilities files.</li> </ul>	Continuous	- Updated information on the UST Access Database, and the UST facilities files.	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> </ul>

**ENVIRONMENTAL QUALITY BOARD  
UST PREVENTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
			- Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Geologist	014587 014295 014547 014428
<b>F.</b>				
<ul style="list-style-type: none"> <li>❖ Training and test for Operator Certification</li> <li>❖ Perform inspections to all regulated installations at least once every three years to ensure compliance with UST Regulation and the EPAct; including but not limited to verify compliance with the following: <ul style="list-style-type: none"> <li>a) Operator Training Requirement</li> <li>b) Secondary Containment and/or Financial Responsibility for New Installations</li> </ul> </li> <li>❖ Review all correspondence, communications, files, and other information.</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>- Administer test for Operator that has completed their training</li> <li>- Energy Policy Act (EPAct) Certification Letter</li> <li>- Compliance with EPAct <ul style="list-style-type: none"> <li>• Number of UST Facilities Inspected (per year) (within the 3-Year Inspection Cycle) (goal = 577)</li> <li>• Number of UST Facilities in Compliance with the Financial Responsibility Requirement (goal = 650)</li> <li>• Number of UST Facilities in Compliance with the Installer Certification Requirement</li> <li>• Number of UST Facilities with Tanks and Associated Lines with the Double Wall and Interstitial Monitoring Requirement</li> <li>• Number of UST Facilities in Compliance with the UST Operator Training Requirement (goal = 1,731) <ul style="list-style-type: none"> <li>1. Class A - Owner</li> <li>2. Class B – Operator</li> <li>3. Class C – Operator</li> </ul> </li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> <li>- Lawyer I</li> </ul>	014278 014149 014254 014613 014387 014496 014197 014522 014413 014477 014521 014424 014398 014587 014295 014547 014428 014508



**ENVIRONMENTAL QUALITY BOARD  
 UST PREVENTION PROGRAM  
 WORK PLAN PER YEAR  
 FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
			- Legal Affairs Manager	014509
			- Office Systems Technician II	014467
<b>A.</b>				
❖ Attend Conferences, Trainings, Meetings with EPA personnel, and Workshops	As needed	- Attend to trainings, meetings with EPA personnel, and workshops.	- Water Quality Area Manager - Water Quality Area Sub-Manager - UST Management Division Chief - Office Systems Technician III - Office Systems Auxiliary I - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Geologist - Lawyer I - Legal Affairs Manager	014278 014149 014254 014613 014387 014496 014197 014522 014413 014477 014521 014424 014398 014587 014295 01547 014428 014508 014509

**ENVIRONMENTAL QUALITY BOARD  
 UST PREVENTION PROGRAM  
 WORK PLAN PER YEAR  
 FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
			- Office Systems Technician II	014467
❖ Perform Inspections at UST sites	Continuous	- Number of On-Site Inspections Conducted (goal = 577 (In-State Travel))	See Task C & G	

**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

TASK/ACTIVITY	DUE DATE	DELIVERABLE/OUTCOME	PERSON RESPONSIBLE	POSITION NUMBER
<b>ADMINISTRATION</b>				
<b>A. Close-out Activities</b>				
<ul style="list-style-type: none"> <li>❖ Respond to inquiries from EPA Grant Specialist and Project Officer</li> <li>❖ Compile and revise list of equipment</li> <li>❖ Complete and submit required documentation and reports</li> </ul>	Continuous	- Comply with the Administrative Conditions established in the Cooperative Agreement	- EQB Budget, Finance, and External Resources Office	
	Quarterly	- Submit the necessary Reimbursement (Payment) Requests, Submit the Final Federal Financial Reports (FFR) and others - Updated Equipment List Inventory	- EQB Property and Storage Office	
<b>GENERAL PROGRAM ACTIVITIES</b>				
<b>A. Reporting</b>				
<ul style="list-style-type: none"> <li>❖ Prepare the Mid-Year and End-of-Year Narrative Performance Report.</li> <li>❖ Prepare the Mid-Year and End-of-Year Performance Measure Report (LUST 4).</li> </ul>	April 30 and October 30	- Mid-Year and End-of-Year Narrative Performance Reports <ul style="list-style-type: none"> <li>• Summary of all programmatic activities performed within the report period during the approved budget/project period</li> </ul>	- Water Quality Area Manager - Water Quality Area Sub-Manager - UST Management Division Chief	014278 014149 014254
	April 30 and October 30	- Performance Measures Reports (LUST 4) Mid-Year (MY) and End-of-Year (EOY) Reports (a.k.a. Semi-Annual Activities Reports) <ul style="list-style-type: none"> <li>• LUST-1: Number of Confirmed Releases Reported</li> <li>• LUST-2a: Number of Cleanups Initiated - RP lead and/or State lead with State money</li> <li>• LUST-2b: Number of Cleanups Initiated - State lead with TF money</li> <li>• LUST-3a: Number of Cleanups Completed - RP lead and/or State lead with State money</li> <li>• LUST-3b: Number of Cleanups Completed - State lead with TF money</li> </ul>	- Office Systems Technician III - Office Systems Auxiliary I - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Inspector - Environmental Quality Inspector	014613 014387 014496 014197 014522 014413 014477 014521 014424 014398 014587

**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

			- Environmental Quality Inspector	014295
			- Environmental Quality Inspector	014547
			- Geologist	014428
<b>B.</b>				
❖ Implement a Comprehensive Compliance and Enforcement Program to encourage LUST reporting and cleanup/corrective action policy.	Continuous	<ul style="list-style-type: none"> <li>- Number of Notices of Violation (NOV's) Issued to LUST List Sites (goal = 10)</li> <li>- Number of Referrals to EQB's Legal Division (goal = 3)</li> <li>- Number of Administrative Orders (AO) Issued (goal = 2)</li> <li>- Number of LUST List Sampling Activities Oversight (goal =10)</li> <li>- Number of LUST List Sites Site Visits Made (Corrective Actions Oversight) (goal = 3)</li> <li>- Number of LUST List Sites Complaint Investigations (goal = 2)</li> </ul>	- Water Quality Area Manager	014278
			- Water Quality Area Sub-Manager	014149
			- UST Management Division Chief	014254
			- Office Systems Technician III	014613
			- Office Systems Auxiliary I	014387
			- Environmental Quality Specialist II	014496
			- Environmental Quality Specialist II	014197
			- Environmental Quality Specialist II	014522
			- Environmental Quality Specialist II	014413
			- Environmental Quality Specialist II	014477
			- Environmental Quality Specialist II	014521
			- Environmental Quality Specialist II	014424
			- Environmental Quality Inspector	014398
			- Environmental Quality Inspector	014587
			- Environmental Quality Inspector	014547
- Environmental Quality Inspector	014295			
		- Geologist	014428	
		- Env. Chemist Evaluator	014471	
		- Lawyer I	014508	
		- Legal Affairs Manager	014509	

**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

			- Office Systems Technician II	014467
<b>C.</b>				
<ul style="list-style-type: none"> <li>❖ Review all the documentation submitted by the regulated community to determine compliance with state and federal regulations towards timely notifications and progress of corrective actions</li> <li>❖ Review files of LUST sites</li> <li>❖ Evaluate and approve site investigation (site characterization) reports to determine the extent of the contamination (sampling procedures, analytical data, etc.)</li> <li>❖ Evaluate and approve Corrective Action Plans (remediation alternatives and technologies)</li> <li>❖ Evaluate and approve Final Closure Reports</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>- Number of Suspected Release (Spill) Notifications Received and Evaluated (goal = 5)</li> <li>- Number of Site Investigation (Characterization) Plans Evaluated and Approved (goal = 3)</li> <li>- Number of Corrective Action Plans Evaluated and Approved (goal = 3)</li> <li>- Number of Final Closure Reports Evaluated and Approved (goal = 5)</li> <li>- Number of Letters Sent to the Regulated Community Due to Irregularities, Deficiencies, Discrepancies, etc. (goal = 15)</li> </ul>	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> <li>- Env. Chemist Evaluator</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> <li>014587</li> <li>014295</li> <li>014547</li> <li>014428</li> <li>014471</li> </ul>
<b>D.</b>				
<ul style="list-style-type: none"> <li>❖ Oversight sampling and corrective action activities at LUST sites</li> <li>❖ Keep the regulated community in compliance</li> <li>❖ Reduce the active LUST List backlog</li> </ul>	Continuous	<ul style="list-style-type: none"> <li>- Number of Sites with Confirmed Contamination and Included in LUST List (goal = 0)</li> <li>- Number of Cleanups Initiated (DCI or ICI)*(goal = 3)</li> <li>- Number of Cleanups Completed (DCC or ICC)** (goal = 3)</li> </ul>	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> </ul>

**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

		- Number of Sites with Cleanups Completed, Letters of No-Further Action (NFA) Issued ( <i>Cartas de Relevó</i> ), and Removed from the LUST List (goal = 3 ?)	- Office Systems Technician III - Office Systems Auxiliary I - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Geologist	014613 014387 014496 014197 014522 014413 014477 014521 014424 014398 014587 014295 014547 014428
<b>E.</b>				
❖ Create and Maintain a Database with Current Information and Digital Maps of Active LUST Sites	Continuous	- Develop Digital Maps Database of LUST/UST Facilities with Name of Facility (brand major oil or independent), Owner/ Operator Name and Telephone Number, Physical Address, GIS Coordinates, UST Number, Expiration Date of Certificate of Registry, Number of Tanks / Capacity / Substance Stored, and Current Status (operating, closed, LUST or No-LUST)	- Water Quality Area Manager - Water Quality Area Sub-Manager - UST Management Division Chief - Office Systems Technician III - Office Systems Auxiliary I - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II	014278 014149 014254 014613 014387 014496 014197 014522 014413

**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

			- Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector - Geologist	014477 014521 014424 014398 014587 014295 014547 014428
<b>F.</b>				
❖ Receive and Review all Release (Spill) Notification Forms ❖ Receive and Review all Release (Spill) Final Investigation Results Reports from the Regulated Community ❖ Update the Information on the Public Record and Publish it on the EQB's Web Page	Continuous  Annually	- Public Record of LUST/UST Facilities in Puerto Rico • Total Number of Confirmed Releases (goal = 0) • Summary Information (Number and Percentage) of Release Sources and Causes	- Water Quality Area Manager - Water Quality Area Sub-Manager - UST Management Division Chief - Office Systems Technician III - Office Systems Auxiliary I - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Specialist II - Environmental Quality Inspector - Environmental Quality Inspector - Environmental Quality Inspector	014278 014149 014254 014613 014387 014496 014197 014522 014413 014477 014521 014424 014398 014587 014295

**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

			- Environmental Quality Inspector	014547
			- Geologist	014428

<b>G.</b>				
❖ Review all Correspondence, Communications, Inspections, and Other Information and Update the Access Database, the LUST List, and the LUST Files	Continuous	<ul style="list-style-type: none"> <li>- Updated Information on the Active LUST List, Inactive LUST List, UST Access Database, and the LUST List Files</li> <li>- New Integrated Database Development (in-kind contractual with EPA)</li> </ul>	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> <li>014587</li> <li>014295</li> <li>014547</li> <li>014428</li> </ul>
<b>A.</b>				



**ENVIRONMENTAL QUALITY BOARD  
LUST CORRECTIVE ACTION PROGRAM  
WORK PLAN PER YEAR  
FY's 2024/2025/2026/2027/2028**

❖ Attend Conferences, Trainings, Meetings with EPA personnel, and Workshops	As needed	- Attend to trainings, meetings with EPA personnel, and workshops.	<ul style="list-style-type: none"> <li>- Water Quality Area Manager</li> <li>- Water Quality Area Sub-Manager</li> <li>- UST Management Division Chief</li> <li>- Office Systems Technician III</li> <li>- Office Systems Auxiliary I</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Specialist II</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Environmental Quality Inspector</li> <li>- Geologist</li> <li>- Env. Chemist Evaluator</li> <li>- Lawyer I</li> <li>- Legal Affairs Manager</li> <li>- Office Systems Technician II</li> </ul>	<ul style="list-style-type: none"> <li>014278</li> <li>014149</li> <li>014254</li> <li>014613</li> <li>014387</li> <li>014496</li> <li>014197</li> <li>014522</li> <li>014413</li> <li>014477</li> <li>014521</li> <li>014424</li> <li>014398</li> <li>014587</li> <li>014295</li> <li>014547</li> <li>014428</li> <li>014471</li> <li>014508</li> <li>014509</li> <li>014467</li> </ul>
❖ Oversight Closure and Corrective Action Activities at LUST Sites	Continuous	- Number of On-Site Inspections Conducted (goal = 20) (In-State Travel)	See Task B & C	

\* – Direct Cleanups Initiated or DCI and Indirect Cleanups Initiated or ICI

\*\* – Direct Cleanups Completed or DCC and Indirect Cleanups Completed or ICC

## LUST PROVISION OF THE DISASTER RELIEF REQUIREMENTS ACT 2017 WORK PLAN

Project Description:

Contract the services of several consultant firms to perform investigation and cleanup activities at underground storage tanks contaminated sites related to the consequences of Hurricane María; and assign temporary employees to perform the evaluation of the Investigations and Cleanup Plans submitted to the Puerto Rico Environmental Quality Board.

TASK	OUTPUT	TIMING	PERSON RESPONSIBLE	
<b>ADMINISTRATION</b>				
1.	Quarterly Reports will be submitted to EPA including the status of each work plan task, summary of accomplishment and discussion of problems impacting or expected to impact performance, identification of each task not on schedule and proposed dates of completion, in compliance with the LUST Provision of the Disaster Relief Requirements ACT 2017.	Quarterly Reports	Quarterly	Program Manager / Management Affairs Office Manager
2.	Close- Out Activities including respond inquiries from EPA, work with EPA to resolve all work plan tasks and decide on option for unexpected funds and submit final Financial Status Report (FSR), Payment Requests, Progress Report, and WBE/WBE Reports.	Progress Report, Final FSR, Payment Requests, WBE/WBE Forms, List of Equipment if appropriated	90 Days After Budget Period	Program Manager / Management Affairs Office Manager
<b>GENERAL PROGRAM ACTIVITIES</b>				
1.	Prepare a Request for Proposal and the corresponding public notice in order to select the consultant firms that will be contracted to perform the tightness test, investigation and cleanup activities at the proposed sites.	Request for Proposal and Public Notice	30 Days After Award	Program Manager
2.	Assign temporary employees to perform the evaluation of EQB's files and tightness test, Investigations and Cleanup Plans that will be submitted by the consultants firms, related to the proposed sites.	Notice of Deficiency or Approval Letters	Continuous	Program Manager
3.	Select the consultant firm and signed the corresponding contracts, after consultation with EPA.	Signed Contracts	60 Days After Award	Program Manager
4.	Submittal of the proposed tightness test, investigation and cleanup plan that will be implemented at each site.	Investigation and Cleanup Plans	30 to 45 Days After Contract is Signed	Contractor
5.	Prepare any legal documentation necessary to allow the access of EQB's representatives to any of the proposed sites in order to perform the proposed tightness test, investigations and cleanup activities.	Legal Documentation	When appropriated	Legal Affairs Office Manager
6.	Evaluate the plans submitted by the contracted consultants and authorize the implementation of the activities included in such plans.	Approval Letters	30 to 60 Days After Receiving the Plans	Program Manger

**LUST PROVISION OF THE DISASTER RELIEF REQUIREMENTS ACT 2017 WORK PLAN**

	<b>TASK</b>	<b>OUTPUT</b>	<b>TIMING</b>	<b>PERSON RESPONSIBLE</b>
7.	Perform the tightness test, investigation and cleanup activities of the approved Investigation and Cleanup Plans and submit a final report of the cleanup activities performed.	Site Final Report	60 Days After Completing the Work	Contractor
8.	Withdrawal of any of the proposed sites from the LUST List, as appropriated.	No further action letter.	When appropriated	Program Manager
9.	EQB will recover any cost incurred in the cleanup of the proposed sites, when a responsible party with financial capability is identified, following the appropriated procedures. Any funds recovered while the 2017 Hurricane Relief agreement is still in effect, will become program income and are to be added to the 2017 Hurricane Relief agreement and used under the same terms and conditions. Any recovered funds after the 2017 Hurricane Relief agreement is closed, will be used for activities authorized under the existing non-2017 Hurricane Relief LUST Program assistance agreement.	Legal, Financial and Technical Documentation	When appropriated	Program Manager / Legal Affairs Office Manager

## LUST PROVISION OF THE CONSOLIDATED APPROPRIATIONS ACT 2023

**Project Description:**

Contract the services of several consultant firms to perform investigation and cleanup activities at underground storage tanks contaminated sites related to the consequences of Hurricanes Fiona and Ian; and assign temporary employees to perform the evaluation of the Investigations and Cleanup Plans submitted to the Puerto Rico Department of Natural and Environmental Resources.

TASK	OUTPUT	TIMING	PERSON RESPONSIBLE	
<b>ADMINISTRATION</b>				
1.	Quarterly Reports will be submitted to EPA including the status of each work plan task, summary of accomplishment and discussion of problems impacting or expected to impact performance, identification of each task not on schedule and proposed dates of completion, in compliance with the LUST Provision of the Consolidated Appropriations Act, 2023.	Quarterly Reports	Quarterly	Program Manager / Management Affairs Office Manager
2.	Close- Out Activities including respond inquiries from EPA, work with EPA to resolve all work plan tasks and decide on option for unexpected funds and submit final Financial Status Report (FSR), Payment Requests, Progress Report, and WBE/WBE Reports.	Progress Report, Final FSR, Payment Requests, WBE/WBE Forms, List of Equipment if appropriated	90 Days After Budget Period	Program Manager / Management Affairs Office Manager
<b>GENERAL PROGRAM ACTIVITIES</b>				
1.	Prepare a Request for Proposal and the corresponding public notice in order to select the consultant firms that will be contracted to perform the tightness test, investigation and cleanup activities at the proposed sites.	Request for Proposal and Public Notice	30 Days After Award	Program Manager
2.	Assign temporary employees to perform the evaluation of EQB's files and tightness test, Investigations and Cleanup Plans that will be submitted by the consultants firms, related to the proposed sites.	Notice of Deficiency or Approval Letters	Continuous	Program Manager
3.	Select the consultant firm and signed the corresponding contracts, after consultation with EPA.	Signed Contracts	60 Days After Award	Program Manager
4.	Submittal of the proposed tightness test, investigation and cleanup plan that will be implemented at each site.	Investigation and Cleanup Plans	30 to 45 Days After Contract is Signed	Contractor
5.	Prepare any legal documentation necessary to allow the access of EQB's representatives to any of the proposed sites in order to perform the proposed tightness test, investigations and cleanup activities.	Legal Documentation	When appropriated	Legal Affairs Office Manager
6.	Evaluate the plans submitted by the contracted consultants and authorize the implementation of the activities included in such plans.	Approval Letters	30 to 60 Days After Receiving the Plans	Program Manger

**LUST PROVISION OF THE CONSOLIDATED APPROPRIATIONS ACT 2023**

	<b>TASK</b>	<b>OUTPUT</b>	<b>TIMING</b>	<b>PERSON RESPONSIBLE</b>
7.	Perform the tightness test, investigation and cleanup activities of the approved Investigation and Cleanup Plans and submit a final report of the cleanup activities performed.	Site Final Report	60 Days After Completing the Work	Contractor
8.	Withdrawal of any of the proposed sites from the LUST List, as appropriated.	No further action letter.	When appropriated	Program Manager
9.	EQB will recover any cost incurred in the cleanup of the proposed sites, when a responsible party with financial capability is identified, following the appropriated procedures. Any funds recovered while the 2023 Hurricane Relief agreement is still in effect, will become program income and are to be added to the 2023 Hurricane Relief agreement and used under the same terms and conditions. Any recovered funds after the 2023 Hurricane Relief agreement is closed, will be used for activities authorized under the existing non-2023 Hurricane Relief LUST Program assistance agreement.	Legal, Financial and Technical Documentation	When appropriated	Program Manager / Legal Affairs Office Manager



# INTENDED USE PLAN

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Government of Puerto Rico  
Water Pollution Control Revolving Fund  
Consolidated Appropriations Act  
Federal Fiscal Year 2023

Government of Puerto Rico  
Department of Natural Environmental Resources  
August 2024 (Final)



# TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>4</b>
<b>2</b>	<b>GOALS .....</b>	<b>6</b>
2.1	SHORT -TERM GOALS.....	6
2.2	LONG-TERM GOALS.....	7
<b>3</b>	<b>INFORMATION ON ACTIVITIES TO BE SUPPORTED .....</b>	<b>7</b>
3.1	GREEN PROJECT RESERVE.....	8
3.2	DAVIS BACON COMPLIANCE.....	8
3.3	ENERGY INITIATIVES .....	8
3.4	DISADVANTAGED COMUNNITIES AND TRIBES .....	9
3.5	BYPASS FINANCING.....	9
<b>4</b>	<b>FUNDS AND FINANCING .....</b>	<b>9</b>
4.1	PROPOSED FUNDING.....	9
4.2	SAHFI FUNDS .....	9
4.3	ADDITIONAL SUBSIDIZATION .....	10
4.4	WRRDA AFFORDABILITY CRITERIA.....	11
4.5	BYPASS FINANCING.....	12
<b>5</b>	<b>LISTING OF WATER POLLUTION CONTROL REVOLVING FUND PROJECTS.....</b>	<b>12</b>
<b>6</b>	<b>CRITERIA AND METHODS OF DISTRIBUTION OF FUNDS .....</b>	<b>14</b>
<b>7</b>	<b>PUBLIC PARTICIPATION .....</b>	<b>15</b>
<b>8</b>	<b>ASSURANCES AND SPECIFIC PROPOSALS .....</b>	<b>15</b>
<b>9</b>	<b>REPORTING.....</b>	<b>15</b>
9.1	ANNUAL REPORT.....	15
9.2	CLEAN WATER BENEFITS REPORTING SYSTEM.....	15
<b>10</b>	<b>APPENDICES .....</b>	<b>16</b>
10.1	APPENDIX A .....	16
10.2	APPENDIX B .....	16
10.3	APPENDIX C .....	16
10.4	APPENDIX D .....	16

## List of Tables

<b>Table 1. Federal allocations under Title VI and Government match. ....</b>	<b>5</b>
<b>Table 2. Federal Allocation, Government match and Green Project Reserve. ....</b>	<b>9</b>
<b>Table 3. Federal automated clearing house payment deposit schedule. ....</b>	<b>10</b>
<b>Table 4. Summary of funds available because of the federal Capitalization grants. SAHFI FFY 2023.....</b>	<b>10</b>
<b>Table 5. CWSRF SAHFI Project funding .....</b>	<b>13</b>



## 1 INTRODUCTION

The Clean Water State Revolving Fund (CWSRF) was established to help finance projects that improves, maintains or protects water quality. CWSRF provided more funds annually to fund water quality protection projects for wastewater treatment, nonpoint source pollution control, and watershed and estuary management.

On December 29, 2022, President Biden signed P.L. 117-328, the Consolidated Appropriations Act, 2023, (“the Act”) into law. The funding in Division N of the Act for the Environmental Protection Agency (EPA) includes approximately \$1.1 billion in disaster relief supplemental funding for the State Revolving Fund (SRF) programs: \$665.2 million for the CWSRF and \$402 million for the Drinking Water State Revolving Fund (DWSRF) programs, available only to states or territories in EPA Regions 2 and 4 for wastewater treatment works and drinking water facilities impacted by Hurricanes Fiona or Ian. Only the State of Florida and the Commonwealth of Puerto Rico (hereinafter “the states”) are eligible to apply for these DWSRF and CWSRF supplemental funds. Two percent of the appropriated funds are reserved for direct grants or interagency agreements to benefit Tribes. The Act gives EPA the authority to retain up to \$1 million of the funds from this appropriation for management and oversight. EPA will refer to this supplemental appropriation as the SAHFI (Supplemental Appropriation for Hurricanes Fiona and Ian).

These requirements of the Act are as follows:

- a. A list of those projects for construction of publicly owned treatment works on the Government's priority list developed pursuant to Section 216 of the Act. The IUP must also contain a list of the activities eligible under section 603(c) of the CWA, including nonpoint source and national estuary protection activities that the state expects to fund from its SRF.
- b. A priority system for ranking individual projects for funding that provides sufficient detail for the public and EPA to readily understand the criteria used for ranking. The priority for the use of funds should address water quality, the most serious risks to public health, ensure compliance, and assist systems most in need based on the state’s affordability criteria and disadvantaged community definition.

- c. The maximum annual amount of CWSRF money that may be used to cover the reasonable costs of administering the fund.
- d. Assurances and specific proposals for meeting certain requirements of the Operating Agreement and Capitalization Grant Agreement; and
- e. The criteria and methods established for the distribution of WPCRF funds.

To meet the Federal requirements pertaining to reporting on the environmental benefits, DNER has committed to complete the EPA one page form at time of loan execution, therefore is exempt from providing such information at this time.

This IUP serves as the planning document for explaining the use of monies we expect to be available to the CWSRF through, including the undrawn balance of Federal capitalization grants. As currently developed, this IUP identifies the specific projects and activities associated with the federal allocations for FFY-2023 of the Act.

The WPCRF project list includes projects from the Puerto Rico Aqueduct and Sewer Authority (PRASA). The FFY-2023 federal allocations under SAHFI, as well as the corresponding Government match are as follow:

**Table 1. Federal allocations under Title VI and Government match.**

Federal Fiscal Year	Award Date	Federal Allocation	604 (b) Set Aside	Federal Allotment Less 604(b)	Government Match	Total	Federal State Proportionality	
							Federal Share	State Share <sup>1</sup>
2023	*	\$333,868,000	N/A	\$333,868,000	N/A	\$333,868,000	100%	N/A

\* To be awarded by EPA on September 30, 2024 or prior to this date.

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<sup>1</sup> The SAFHI contains the following provisions: “Provided further, that the funds provided under this paragraph in this Act shall not be subject to the matfching or cost share requirements of sections 602(b)(2), 602(b)(3), or 202 of the Federal Water Pollution Control Act...” This language waives the requirements in sections 602(b)(2), 602(b)(3), and 202 of the CWA for states to provide match for the SAHFI capitalization grants.

## 2 GOALS

As required under the Act, the Government is to identify the goals and objectives of its Water Pollution Control Revolving Fund.

### 2.1 Short -Term Goals

The Government has the following goals and objectives for the WPCRF Program over the short term:

***Goal #1:** Establish and manage an effective and comprehensive Water Pollution Control Revolving Fund Program. The Government outlined six (6) objectives in order to achieve this goal, as shown below:*

Objective 1.A: To develop and implement administrative rules and guidelines for managing the WPCRF program.

Objective 1.B: To develop and implement an annual IUP and prepare and submit along with the IUP an annual application for the capitalization grant.

Objective 1.C: To develop and implement standard operation procedures and policies for managing the WPCRF program.

Objective 1.D: To ensure the use of accounting, auditing and fiscal procedures that conforms to generally accepted government accounting standards.

Objective 1.E: To develop and submit an annual report to EPA covering the accomplishments of the IUP.

Objective 1.F: To maintain updated the historical data on the Clean Water Benefits Reporting System.

***Goal #2:** Maintain a self-sustaining revolving loan program through the WPCRF to improve and protect water quality and public health. Associated to this goal are several objectives, which have been achieved, although others are in process.*

Objective 2.A: To ensure and provide low cost financial assistance to all qualified applicants seeking WPCRF loans for wastewater treatment facilities.

Objective 2.B: To coordinate WPCRF activities among DNER, Puerto Rico Infrastructure Finance Agency (PRIFA) and any qualified loan applicant.

Objective 2.C: To maintain a self-sustaining revolving loan program through DNER administration.

*Goal #3: Provide qualified applicants with low-cost financial assistance for necessary wastewater treatment facilities.*

Objective 3.A: To encourage and work with any other qualified applicant to assess financial capabilities and determine the best financial alternatives.

Objective 3.B: To request new qualified applicants submittal of eligible projects that are ready to begin construction in order to diminish the existing ULO's situation.

## **2.2 Long-Term Goals**

In addition to these short-term goals, the Government has the following long-term goals for the WPCRF program:

*Goal #1: Ensure compliance by all publicly owned treatment works with Government water quality goals and standards and the enforceable deadlines, goals and requirements of the Act.*

*Goal #2: Ensure technical integrity of WPCRF projects by ensuring adequate and effective planning, design and construction management.*

*Goal #3: Maintain an adequate data management system in tracking and monitoring all WPCRF projects and program information.*

*Goal #4: Integrate effectively procedures and guides that facilitate the implementation of sustainable infrastructure to the projects financed by the program.*

## **3 INFORMATION ON ACTIVITIES TO BE SUPPORTED**

Information pertinent to each WPCRF project is contained in Appendix B, which will be submitted by the applicant pursuant to Section 606(c) (3) of the Act. As identified in the Capitalization Grant applications, DNER intends to use 4% of the capitalization grant for administrative support. Based on WPCRF funds available in FFY-2023, DNER will use up to \$1,087,440 from the Title VI

federal allocation for administrative support for developing, managing and operating the WPCRF program. Appendix C identifies the proposed disbursement schedules for administrative expenses.

### **3.1 Green Project Reserve**

The provision in the Procedures for Implementing Certain Provisions of EPA’s Fiscal Year 2023 Appropriations Affecting the Clean Water and Drinking Water State Revolving Fund Programs states that: “*Provided*, That for FFY-2023, to the extent there are sufficient eligible project applications, not less than 10 percent of the funds made available under this title to each State for Clean Water State Revolving Fund capitalization grants shall be used by the State for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities.” These four categories of projects are the components of the GPR and define “green” projects.

### **3.2 Davis Bacon compliance**

The Davis-Bacon provision states that: “For fiscal year 2013 and each fiscal year thereafter, the requirements of section 513 of the Federal water pollution Control Act (33 U.S.C. 1372) shall apply to the construction of treatment works carried out in whole or in part with assistance made available by a State Water Pollution Control Revolving Fund as authorized by title vi of that Act (33 U.S.C. 1381 et seq.), or with assistance made available under section 205 (m) of that Act (33 U.S.C. 1285 (m)), or both.”

Moreover, among the provisions of the 2014 amendments to Title VI of the Federal Water Pollution Control Act (FWPCA) any project that is considered a “treatment work” as defined in FWPCA section 212, currently incorporated in FWPCA Section 502 (26), must comply with the FWPCA 513, regardless of which eligibility it is funded under (*see section 603(c)*).

### **3.3 Energy initiatives**

DNER is seeking to assist all projects receiving CWSRF financing to increase project energy efficiency. The long-term goal of this effort will be to identify energy saving opportunities earlier in the planning process for new projects. By doing so, these opportunities can then be more easily incorporated into the scope of work for CWSRF financed projects. All engineering reports submitted should contain a description of increased energy efficiency features considered in the design documents. The engineering report should also include, where practicable, a present value

energy savings analysis of all design alternatives considered, with energy use and cost assumptions clearly identified.

### 3.4 Disadvantaged Communities and Tribes

The SAHFI contains the following provision: “Provided further, that States or Territories shall prioritize funds, as appropriate, to Tribes and disadvantaged communities...” The Government defines disadvantaged communities to the areas which most suffer from a combination of economic, health, and environmental burdens. These burdens include but are not limited to: low income, projected flood risk, energy cost, lack of indoor plumbing, lead paint, housing cost, proximity to hazardous waste facilities, proximity to Superfund or National Priorities List (NPL) sites, proximity to Risk Management Plan (RMP) facilities, diesel particulate matter exposure, traffic proximity and volume, underground storage tanks and releases, wastewater discharge, low median income, poverty, unemployment, and high school education.

### 3.5 Bypass Financing

The Government expects that the projects described in the project list in Table 5 will proceed in the order as they are listed.

## 4 FUNDS AND FINANCING

### 4.1 Proposed Funding

All projects listed in Table 5 are eligible for a subsidy as detailed in section 4.3 of this IUP. Of the \$1,067,210,000 Allotment of the SAHFI appropriation for the FFY-2023, the CWSRF for Puerto Rico would receive \$333,868,000. This is reflected in this IUP.

### 4.2 SAHFI Funds

The Federal Fiscal Year 2023 allocation under the Act is as follow:

**Table 2. Federal Allocation, Government match and Green Project Reserve**

Federal Fiscal Year	Award Date	Federal Allocation	604 (b) Set Aside	Federal Allotment Less 604(b)	Government Match	Total	Green Reserve Project Amount
2023	*	\$333,868,000	N/A	\$333,868,000	N/A	\$333,868,000	N/A

\* To be awarded by EPA on September 30, 2024 or prior to this date.

Appendix A identifies the proposed disbursement schedules for using the FFY-2023 SAHFI funds. The disbursement schedules identify the anticipated amount of and the time over which Federal and Government funds will be expended from the WPCRF. Appendix B list additional information concerning the WPCRF projects identified above.

DNER will cause PRIFA to enter binding commitments in an amount equal to 100% of each payment within one year of receipt of such payment. The binding commitment will be evidenced by a loan agreement executed by PRIFA, DNER and PRASA.

The following sets out the Federal Automated Clearing House payment deposit schedule:

**Table 3. Federal automated clearing house payment deposit schedule.**

Fiscal Year	Date	Federal Payment	Government Match	Total
2023	One year after award date	\$333,868,000	N/A	\$333,868,000

The following summarizes the availability of project funding:

**Table 4. Summary of funds available because of the federal SAHFI Capitalization grant. FFY-2023<sup>2</sup>**

I. Sources of Funds			
1	Prior Year Carry Over Funds	+	–
2	Current Year Grant (FFY-2023*)	+	\$333,868,000
3	Government Matching Share	+	\$0
4	Repayments to the SRF and Interest Earned from Loans	+	–
5	Other Income to the Fund	+	–
6	Total WPCRF Funds Available	=	\$333,868,000
II. Uses of Funds			
1	Total WPCRF Funds Available		\$333,868,000
2	4% Administrative Cost	-	\$868,000
3	Available for Projects	=	\$333,000,000

\* To be awarded by EPA on September 30, 2024 or prior to this date.

As identified in the Capitalization Grant applications, DNER intends to use less than 4% of the federal funds for administrative support. Based on WPCRF funds available in FFY-2023, DNER will use up to \$868,000 from the Title VI federal allocation for administrative support for developing, managing and operating the WPCRF program. Appendix C identifies the proposed disbursement schedules for administrative expenses. The accumulated administrative funds will

<sup>2</sup> Emerging Contaminants funds are not included in this table.

be used according to “First in-First Out” (FIFO) procedures. In case the administrative funds corresponding to the SAHFI FFY-2023 are not used during the current federal fiscal year, such funds will be banked to be used in future years.

**4.3 Additional Subsidization**

The SAHFI contains the following provision: “Provided further, that notwithstanding the requirements of section 603(i) of the Federal Water Pollution Control Act and section 1452(d) of the Safe Drinking Water Act, for the rfunds appropriated under this paragraph in this Act, eac State shall use 100 percent of the amount of its capitalization grants to provide additional subsidization to eligible recipients in the form of forgiveness of principal, negative interest loans or grants, or any combination of these...”.

Each state must use 100 percent of its capitalization grant for the above purposes.

**4.4 WRRDA Affordability Criteria**

The Water Resource Reform and Development Act of 2014 required that states develop affordability criteria by September 30, 2015. These criteria are required, by statute, to evaluate applicants based on the following metrics: (1) Income, (2) Unemployment, (3) Population trend, and (4) Any other metric that the state or CWSRF program feels is relevant. The following criteria have been developed for Puerto Rico’s CWSRF program. The scoring system will be used to rank applicants based on the service area of the individual project, and will be used when allocating additional subsidy. All data used in developing these criteria came from the U.S. Census or the U.S. Department of Labor statistics.

<b>POPULATION</b>	
Total Population served by project efforts	
• Service Area Population less than 200,000	50
• Service Area population less than 500,000	30
• Service Area population is 500,000 or greater	0



<b>UNEMPLOYMENT</b>	
<b>Comparison of service area unemployment<sup>3</sup> to Government average</b>	
• Service Area Unemployment >12.5%	20
• Service Area Unemployment >10%	10
• Service Area Unemployment rate <	0
<b>INCOME</b>	
User Fees in Service Area as Percentage of Median Household Income (household sewer rate/area MHI)	
• Rates are more than 2% of the service area MHI	20
• Rates are between 1% and 2% of the service area MHI	10
• Rates are less than 1% of the service area MHI	0
<b>POPULATION TREND</b>	
<b>Population trend of municipality or service area between 2000 and 2010</b>	
• Service area has experienced population loss	10
• Service area has experienced population growth	0

#### 4.5 Bypass Financing

Since all project included in Table 5 were submitted by PRASA, and 100% of the funds will be awarded as additional subsidization, DNER does not expect for these projects any bypass financing.

The Government expects that the projects described in the project list in Table 5 will proceed in the order as they are listed.

### 5 LISTING OF WATER POLLUTION CONTROL REVOLVING FUND PROJECTS

DNER shall include a list of eligible projects for receiving funds from the FFY-2023 SAHFI appropriation under the WPCRF Program. The following is a list of WPCRF projects that are being considered for funding.

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<sup>3</sup> If unemployment data is unavailable for the precise service area, use a county or municipality as an approximation of local rates as compared to the island-wide average.

**Table 5. CWSRF SAHFI Project Funding**

PROJECT NAME	PROJECT TYPE	PROJECT ELIGIBLE COST	FUNDING AMOUNT	GPR	PRIORITY LIST RANKING
<b>Federal Fiscal Year 2023 SAHFI Funds</b>					
Rehabilitation of Sanitary Sewer System (SSOMP) Metro Region (C-72-250-20) NPDES No. PR21555	Design & Construction	\$45,000,000.00	\$45,000,000.00		87
Van Scoy TS. Rehabilitation – Bayamón (C-72-021-01) NPDES No. PR0023728	Design & Construction	\$4,500,000.00	\$4,500,000.00		90
Rehabilitation of Wastewater Pump Stations Metro Region (C-72-250-09)	Design & Construction	\$20,000,000.00	\$20,000,000.00		94
Rehabilitation of Wastewater Pump Stations North Region (C-72-250-10)	Design & Construction	\$20,000,000.00	\$20,000,000.00		95
Rehabilitation of Wastewater Pump Stations West Region (C-72-250-11)	Design & Construction	\$20,000,000.00	\$20,000,000.00		96
Rehabilitation of Wastewater Pump Stations South Region (C-72-250-12)	Design & Construction	\$20,000,000.00	\$20,000,000.00		97
Rehabilitation of Wastewater Pump Stations East Region (C-72-250-13)	Design & Construction	\$20,000,000.00	\$20,000,000.00		98
Infiltration and Flow Improvements – Cidra (C-72-041-05) NPDES No. PR0025356	Study	\$10,000,000.00	\$10,000,000.00	\$10,000,000.00 (Energy Efficiency)	103
Infiltration and Flow Improvements – Mayagüez (C-72-097-15) NPDES No. PR0023795	Study	\$4,000,000.00	\$4,000,000.00	\$4,000,000.00 (Energy Efficiency)	104
Infiltration and Flow Improvements – San Germán (C-72-125-01) NPDES No. PR0020818	Study	\$4,000,000.00	\$4,000,000.00	\$4,000,000.00 (Energy Efficiency)	105
Infiltration and Flow Improvements – Las Piedras (C-72-085-01) NPDES No. PR0025976	Study	\$4,000,000.00	\$4,000,000.00	\$4,000,000.00 (Energy Efficiency)	106
Infiltration and Flow Improvements – Yauco (C-72-153-03) NPDES No. PR0021661	Study	\$4,000,000.00	\$4,000,000.00	\$4,000,000.00 (Energy Efficiency)	107
Infiltration and Flow Improvements – Dorado (C-72-051-04) NPDES No. PR0020460	Study	\$14,000,000.00	\$14,000,000.00	\$14,000,000.00 (Energy Efficiency)	108
SCADA Islandwide Wastewater (C-72-250-19)	Design & Construction	\$90,000,000.00	\$90,000,000.00		109
Emergency Generators – Wastewater Metro Region (C-72-250-14)	Design & Construction	\$7,000,000.00	\$7,000,000.00	\$7,000,000.00 (Energy Efficiency)	110
Emergency Generators – Wastewater North Region (C-72-250-15)	Design & Construction	\$7,000,000.00	\$7,000,000.00	\$7,000,000.00 (Energy Efficiency)	111
Emergency Generators – Wastewater West Region (C-72-250-16)	Design & Construction	\$7,000,000.00	\$7,000,000.00	\$7,000,000.00 (Energy Efficiency)	112
Emergency Generators – Wastewater South Region (C-72-250-17)	Design & Construction	\$7,000,000.00	\$7,000,000.00	\$7,000,000.00 (Energy Efficiency)	113
Emergency Generators – Wastewater East Region (C-72-250-18)	Design & Construction	\$7,000,000.00	\$7,000,000.00	\$7,000,000.00 (Energy Efficiency)	114
STS Rehabilitation Aibonito Urbano WTP – Aibonito (C-72-009-03) NPDES No. PR22489	Design & Construction	\$5,800,000.00	\$5,800,000.00		118
STS Rehabilitation Morovis WTP – Morovis (C-72-101-03) NPDES No. PR0024198	Design & Construction	\$5,800,000.00	\$5,800,000.00		119
STS Rehabilitation Añasco WTP – Añasco (C-72-011-01) NPDES No. PR0022942	Design & Construction	\$3,450,000.00	\$3,450,000.00		120
STS Rehabilitation Sabana Grande WTP – Sabana Grande (C-72-121-13) NPDES No. PR0024007	Design & Construction	\$3,450,000.00	\$3,450,000.00		121
<b>Total</b>		<b>\$333,000,000.00</b>	<b>\$333,000,000.00</b>	<b>\$75,000,000.00</b>	

The WPCRF project list may include NPS projects and activities once the Government’s NPS Assessment and Management Program is approved and the Priority System is revised to include such projects and activities. The binding commitments for the projects included in Table 5 are expected to be executed by September 30, 2025.

## **6 CRITERIA AND METHODS OF DISTRIBUTION OF FUNDS**

On April 21, 2010, new requirements were established regarding the provisions related to GPR and Grants Policy Issuance (GPI) 11-01 – Managing unliquidated obligations and Ensuring Progress under EPA Assistance Agreements. In order to comply with the new requirements set forth in these provisions, DNER developed a new Priority Ranking System for CWSRF that allows eligible projects to receive funding of the GPR, additions subsidies and gives priority to those projects that are ahead in the planning and design stages. This Priority Ranking System and Project Priority List provide an order of ranking wastewater facilities projects considering ten (10) criteria with its corresponding sub-divisions:

- Project Needs
- Planning
- Critical health problems
- Regionalization/Decentralization
- Compliance and Enforcement (Facilities Under Court Order)
- Water Quality
- Financial Need
- Estuary Management
- Green and/or Sustainable Infrastructure
- Tie breaking

In addition, the following factors were taken into consideration to fund projects:

- request to be by-passed for funding considerations;
- non-compliance of projects with the enforceable requirements of the Act;
- delays of high priority projects because of non-completion of preceding step and funding of lower priority projects if ready for funding.

Similarly, lower priority projects considered to be an essential part of an eligible project may be selected and by pass projects with a higher priority. DNER will submit shortly the final Priority List in conjunction with the signed Resolution from the Board.

Due to time constraints in the availability and duration of funds, the projects included in this IUP are the ones ahead in the design. DNER will keep continuous communication and coordination with EPA regarding any changes to the use of SAHFI FFY-2023 funds, if necessary.

## **7 PUBLIC PARTICIPATION**

For this IUP, a public participation process will be undertaken in accordance with 40 CFR 35.3150. A public hearing will be scheduled to review DNER's Project Priority List and receive comments on the same. After the new hearing takes place, summaries of the public participation process will be prepared and made public available. DNER expects to review all the comments regarding the public hearing by September 2024. After that, the Board will sign a resolution with the final comments and will be provided to EPA for its approval along with the new Priority System.

## **8 ASSURANCES AND SPECIFIC PROPOSALS**

DNER provides the necessary assurances and certifications as part of the Operating Agreement. This Agreement is the official operating agreement between DNER acting on behalf of the Government and EPA.

## **9 REPORTING**

### **9.1 Annual Report**

Section 606(d) requires that beginning the first year after receiving payments under the WPCRF, DNER shall provide an Annual Report to EPA. The Annual Report shall be submitted to EPA within ninety (90) days after the end of the fiscal year covered by the IUP. This report shall identify loan recipients, loan amounts and terms under Title VI of the Act and its implementing regulations and other such information as EPA may require.

### **9.2 Clean Water Benefits Reporting System**

In order to comply with the reporting requirements, information will be entered into the Clean Water Benefits Reporting system (CBR) no less often than quarterly and will include the use of funds for the GPR and additional subsidization as well as project benefits. This information will also be included in the Annual Report to EPA.

## 10 APPENDICES

### 10.1 Appendix A

To be submitted shortly

### 10.2 Appendix B

To be submitted shortly

### 10.3 Appendix C

<b>PROPOSED DISBURSEMENT SCHEDULE OF FEDERAL AND STATE FUNDS FOR ADMINISTRATIVE EXPENSES (FFY-2023)</b>			
<b>Disbursement by Fiscal Year</b>	<b>Federal (100%)</b>	<b>State (0.00%)</b>	<b>Amount</b>
2024	\$124,000	\$0	\$124,000
2025	\$124,000	\$0	\$124,000
2026	\$124,000	\$0	\$124,000
2027	\$124,000	\$0	\$124,000
2028	\$124,000	\$0	\$124,000
2029	\$124,000	\$0	\$124,000
2030	\$124,000	\$0	\$124,000
<b>SUBTOTAL</b>	<b>\$868,000</b>	<b>\$0</b>	<b>\$868,000</b>

### 10.4 Appendix D

<b>Rehabilitation of Sanitary Sewer System (SSOMP) Metro Region (C-72-250-20)</b>
<p>The Puerto Rico Aqueduct and Sewer Authority (PRASA) proposes a project as a part of the Sewer System Operation and Maintenance Program (SSOMP) that identifies several sanitary sewer segments with internal damage conditions that limit their capability to convey sanitary wastewater through them. Under the Consent Decree registered on September 15, 2015, between PRASA, EPA and the Department of Justice is entrusted with carrying out a Sanitary Sewer Operation and Maintenance Program (SSOMP). This program includes the cleaning, inspection and rehabilitation of the gravity sanitary sewer lines that are part of the collection system of the Puerto Rico Regional RWWTP in Puerto Rico. Through the SSOMP, different pipeline segments were identified as highly deteriorated, have significant structural damage, and may impede the operation of the sewer system. Through this effort, PRASA aims to correct these previously identified sewer defects in various sectors of San Juan, Cataño and Guaynabo municipalities and therefore improve the Puerto Nuevo RWWTP sanitary sewer collection system.</p>
<b>Van Scoy TS. Rehabilitation – Bayamón (C-72-021-01)</b>
<p>A Design and Construction project of a 24" diameter trunk is recommended with an approximate length of 2,225 meters from PR-199 that will divert all flows from Toa Alta Heights PS, Ciudad Jardín PS, Los Palacios PS, Las Quintas PS, Buena Vista PS, El Zorzal PS, Vistas del Bosque PS, Brisas de Monte Lago PS, Reparto Rivera PS and the North Rexville Gravity Systems, Los Dominicos, Van Scoy and Bella Vista, among others. This new trunk will have the capacity for the management of new connections and will divert flows to Calle 11 where the trunk increases the diameter to 27". By reducing the flow handled by the existing trunk we will avoid the accumulation of flow above the level of the crown and turbulence with a laminal flow so that they cease objectionable odors, overflows that affect the health and safety of customers and the environment.</p>

<b>Rehabilitation of Wastewater Pump Stations Metro Region (C-72-250-09)</b>
The project includes the replacement of valves, MCC, electrical and control panels, well sealing, installation or replacement of valves, well and roof sealing, installation of an emergency generator and structural and anti-corrosion improvements such as repair of exposed rods and concrete affected by high concentrations of gases and corrosion generated by the gases. The list of facilities is included for this region is included in PRASA's petition. In the case of EBAS El Alamo in Guaynabo and EBAS Trujillo Alto, the option of eliminating them will be evaluated.
<b>Rehabilitation of Wastewater Pump Stations North Region (C-72-250-10)</b>
The project includes the replacement of valves, MCC, electrical and control panels, well sealing, installation or replacement of valves, well and roof sealing, installation of an emergency generator and structural and anti-corrosion improvements such as repair of exposed rods and concrete affected by high concentrations of gases and corrosion generated by the gases. The list of facilities is included for this region is included in PRASA's petition.
<b>Rehabilitation of Wastewater Pump Stations West Region (C-72-250-11)</b>
The project includes the replacement of valves, MCC, electrical and control panels, well sealing, installation or replacement of valves, well and roof sealing, installation of an emergency generator and structural and anti-corrosion improvements such as repair of exposed rods and concrete affected by high concentrations of gases and corrosion generated by the gases. The list of facilities is included for this region is included in PRASA's petition.
<b>Rehabilitation of Wastewater Pump Stations South Region (C-72-250-12)</b>
The project includes the replacement of valves, MCC, electrical and control panels, well sealing, installation or replacement of valves, well and roof sealing, installation of an emergency generator and structural and anti-corrosion improvements such as repair of exposed rods and concrete affected by high concentrations of gases and corrosion generated by the gases. The list of facilities is included for this region is included in PRASA's petition.
<b>Rehabilitation of Wastewater Pump Stations East Region (C-72-250-13)</b>
The project includes the replacement of valves, MCC, electrical and control panels, well sealing, installation or replacement of valves, well and roof sealing, installation of an emergency generator and structural and anti-corrosion improvements such as repair of exposed rods and concrete affected by high concentrations of gases and corrosion generated by the gases. The list of facilities is included for this region is included in PRASA's petition.
<b>Infiltration and Flow Improvements – Cidra (C-72-041-05)</b>
The project contemplates carrying out a study in the aforementioned municipality to identify and quantify the amount of inflow that enters the sanitary sewage system, identify the reason and the repair method, whether it is disconnecting illegal connections from the stormwater or making a coating or liner to the pipe.
<b>Infiltration and Flow Improvements – Mayagüez (C-72-097-15)</b>
The project contemplates carrying out a study in the aforementioned municipality to identify and quantify the amount of inflow that enters the sanitary sewage system, identify the reason and the repair method, whether it is disconnecting illegal connections from the stormwater or making a coating or liner to the pipe.
<b>Infiltration and Flow Improvements – San Germán (C-72-125-01)</b>
The project contemplates carrying out a study in the aforementioned municipality to identify and quantify the amount of inflow that enters the sanitary sewage system, identify the reason and the repair method, whether it is disconnecting illegal connections from the stormwater or making a coating or liner to the pipe.
<b>Infiltration and Flow Improvements – Las Piedras (C-72-085-01)</b>
The project contemplates carrying out a study in the aforementioned municipality to identify and quantify the amount of inflow that enters the sanitary sewage system, identify the reason and the repair method, whether it is disconnecting illegal connections from the stormwater or making a coating or liner to the pipe.
<b>Infiltration and Flow Improvements – Yauco (C-72-153-03)</b>
The project contemplates carrying out a study in the aforementioned municipality to identify and quantify the amount of inflow that enters the sanitary sewage system, identify the reason and the repair method, whether it is disconnecting illegal connections from the stormwater or making a coating or liner to the pipe.
<b>Infiltration and Flow Improvements – Dorado (C-72-051-04)</b>
The project contemplates carrying out a study in the aforementioned municipality to identify and quantify the amount of inflow that enters the sanitary sewage system, identify the reason and the repair method, whether it is disconnecting illegal connections from the stormwater or making a coating or liner to the pipe.
<b>SCADA Islandwide Wastewater (C-72-250-19)</b>
The project includes installing all communications equipment necessary to monitor sanitary sewage facilities, such as pump stations and treatment plants at the island level. This project will allow you to visualize the status of assets and important parameters to guarantee compliance and optimize their operation. The parameters to be reviewed will include level (overflows), pump status, flow, pressure, emergency generator status, fuel level, among others. All visualization can be seen at the central level and in the Regions.

<b>Emergency Generators – Wastewater Metro Region (C-72-250-14)</b>
Acquisition and installation of Emergency Generators. The objective of this project is to replace power emergency generators that are out of service, defective or have reached their useful live. Project includes the installation of power emergency generators, automatic transferswitches (ATS), conduits, wiring and diesel tanks. Construction activities include the selective demolition of existing infrastructure, building of concrete platforms, security cages and restoring existing to be modified infrastructure. The project will provide and improve the level of service in the face of faults and challenges to normal utility energy supply. The list of facilities is included for this region is included in PRASA’s petition.
<b>Emergency Generators – Wastewater North Region (C-72-250-15)</b>
Acquisition and installation of Emergency Generators. The objective of this project is to replace power emergency generators that are out of service, defective or have reached their useful live. Project includes the installation of power emergency generators, automatic transferswitches (ATS), conduits, wiring and diesel tanks. Construction activities include the selective demolition of existing infrastructure, building of concrete platforms, security cages and restoring existing to be modified infrastructure. The project will provide and improve the level of service in the face of faults and challenges to normal utility energy supply. The list of facilities is included for this region is included in PRASA’s petition.
<b>Emergency Generators – Wastewater West Region (C-72-250-16)</b>
Acquisition and installation of Emergency Generators. The objective of this project is to replace power emergency generators that are out of service, defective or have reached their useful live. Project includes the installation of power emergency generators, automatic transferswitches (ATS), conduits, wiring and diesel tanks. Construction activities include the selective demolition of existing infrastructure, building of concrete platforms, security cages and restoring existing to be modified infrastructure. The project will provide and improve the level of service in the face of faults and challenges to normal utility energy supply. The list of facilities is included for this region is included in PRASA’s petition.
<b>Emergency Generators – Wastewater South Region (C-72-250-17)</b>
Acquisition and installation of Emergency Generators. The objective of this project is to replace power emergency generators that are out of service, defective or have reached their useful live. Project includes the installation of power emergency generators, automatic transferswitches (ATS), conduits, wiring and diesel tanks. Construction activities include the selective demolition of existing infrastructure, building of concrete platforms, security cages and restoring existing to be modified infrastructure. The project will provide and improve the level of service in the face of faults and challenges to normal utility energy supply. The list of facilities is included for this region is included in PRASA’s petition.
<b>Emergency Generators – Wastewater East Region (C-72-250-18)</b>
Acquisition and installation of Emergency Generators. The objective of this project is to replace power emergency generators that are out of service, defective or have reached their useful live. Project includes the installation of power emergency generators, automatic transferswitches (ATS), conduits, wiring and diesel tanks. Construction activities include the selective demolition of existing infrastructure, building of concrete platforms, security cages and restoring existing to be modified infrastructure. The project will provide and improve the level of service in the face of faults and challenges to normal utility energy supply. The list of facilities is included for this region is included in PRASA’s petition.
<b>STS Rehabilitation Aibonito Urbano WTP – Aibonito (C-72-009-03)</b>
The Project contemplates the rehabilitation of the sludge treatment system of the aforementioned plant. The project includes changing valves, pumps, tank rehabilitation, dosing equipment changes, structural improvements and corrosion control.
<b>STS Rehabilitation Morovis WTP – Morovis (C-72-101-03)</b>
The Project contemplates the rehabilitation of the sludge treatment system of the aforementioned plant. The project includes changing valves, pumps, tank rehabilitation, dosing equipment changes, structural improvements and corrosion control.
<b>STS Rehabilitation Añasco WTP – Añasco (C-72-011-01)</b>
The Project contemplates the rehabilitation of the sludge treatment system of the aforementioned plant. The project includes changing valves, pumps, tank rehabilitation, dosing equipment changes, structural improvements and corrosion control.
<b>STS Rehabilitation Sabana Grande WTP – Sabana Grande (C-72-121-13)</b>
The Project contemplates the rehabilitation of the sludge treatment system of the aforementioned plant. The project includes changing valves, pumps, tank rehabilitation, dosing equipment changes, structural improvements and corrosion control.



# INTENDED USE PLAN

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Government of Puerto Rico  
Water Pollution Control Revolving Fund  
Bipartisan Infrastructure Law  
Federal Fiscal Year 2024

Government of Puerto Rico  
Department of Natural Environmental Resources  
September 2024 (Final)





# TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>4</b>
<b>2</b>	<b>GOALS .....</b>	<b>5</b>
2.1	SHORT -TERM GOALS.....	6
2.2	LONG-TERM GOALS.....	7
<b>3</b>	<b>INFORMATION ON ACTIVITIES TO BE SUPPORTED .....</b>	<b>7</b>
3.1	GREEN PROJECT RESERVE.....	8
3.2	DAVIS BACON COMPLIANCE.....	8
3.3	ENERGY INITIATIVES .....	8
3.4	DISADVANTAGED COMMUNITIES AND TRIBES.....	9
3.5	BYPASS FINANCING.....	9
<b>4</b>	<b>FUNDS AND FINANCING .....</b>	<b>9</b>
4.1	PROPOSED FUNDING.....	9
4.2	SRF FUNDS AND REPAYMENTS.....	10
4.3	ADDITIONAL SUBSIDIZATION .....	11
4.4	WRRDA AFFORDABILITY CRITERIA.....	12
4.5	BYPASS FINANCING.....	13
4.6	WAIVERS .....	13
<b>5</b>	<b>LISTING OF WATER POLLUTION CONTROL REVOLVING FUND PROJECTS.....</b>	<b>14</b>
<b>6</b>	<b>CWSRF EMERGING CONTAMINANTS PROVISIONS .....</b>	<b>14</b>
<b>7</b>	<b>CRITERIA AND METHODS OF DISTRIBUTION OF FUNDS .....</b>	<b>15</b>
<b>8</b>	<b>PUBLIC PARTICIPATION .....</b>	<b>16</b>
<b>9</b>	<b>ASSURANCES AND SPECIFIC PROPOSALS .....</b>	<b>16</b>
<b>10</b>	<b>REPORTING.....</b>	<b>17</b>
10.1	ANNUAL REPORT.....	17
10.2	CLEAN WATER BENEFITS REPORTING SYSTEM.....	17
<b>11</b>	<b>APPENDICES .....</b>	<b>17</b>
11.1	APPENDIX A .....	17
11.2	APPENDIX B .....	17
11.3	APPENDIX C .....	17

## List of Tables

<b>Table 1. Federal allocations under Title VI and Government match. ....</b>	<b>5</b>
<b>Table 2. Federal Allocation, Government match and Green Project Reserve. ....</b>	<b>9</b>
<b>Table 3. Federal automated clearing house payment and Government match deposit schedule. ....</b>	<b>10</b>
<b>Table 4. Summary of funds available because of the federal Capitalization grants. BIL FFY 2024 ....</b>	<b>11</b>
<b>Table 5. CWSRF Project funding .....</b>	<b>14</b>
<b>Table 6. Emerging Contaminants Project funding .....</b>	<b>15</b>

## 1 INTRODUCTION

The Clean Water State Revolving Fund (CWSRF) was established to help finance projects that improves, maintains or protects water quality. CWSRF provided more funds annually to fund water quality protection projects for wastewater treatment, nonpoint source pollution control, and watershed and estuary management.

On November 15, 2021, President Biden signed the Bipartisan Infrastructure Law, also known as the “Infrastructure Investment and Jobs Act of 2021”. The Department of Natural Environmental Resources (DNER), successor of the Puerto Rico Environmental Quality Board (PREQB) pursuant to Act No. 171-2018, acting on behalf of the Government of Puerto Rico (Government) hereby submits to the U.S. Environmental Protection Agency (EPA), an ammended Intended Use Plan (IUP) for federal fiscal year (FFY) 2024, which runs from October 1, 2023 to September 30, 2024. The amendments consist in the amount assigned for Emerging Contaminants to incorporate a reallootment in the amount of \$25,000.00. This IUP meets the requirements of Section II(A) of the Attachment 1: Implementation of CWSRF and DWSRF Funding in the Bipartisan Infrastructure Law (BIL) (P.L. 117-58).

These requirements of the Act are as follows:

- a. A list of those projects for construction of publicly owned treatment works on the Government's priority list developed pursuant to Section 216 of the Act. The IUP must also contain a list of the activites eligible under section 603(c) of the CWA, including nonpoint source and national estuary protection activities that the state expects to fund from its SRF.
- b. A priority system for ranking individual projects for funding that provides sufficient detail for the public and EPA to readily understand the criteria used for ranking. The priority for the use of funds should address water quality, the most serious risks to public health, ensure compliance, and assist systems most in deed based on the state’s affordability criteria and disadvantaged community definition.
- c. The maximum annual amount of CWSRF money that may be used to cover the reasonable costs of administering the fund.

- d. Assurances and specific proposals for meeting certain requirements of the Operating Agreement and Capitalization Grant Agreement; and
- e. The criteria and methods established for the distribution of WPCRF funds.

To meet the Federal requirements pertaining to reporting on the environmental benefits, DNER has committed to complete the EPA one page form at time of loan execution, therefore is exempt from providing such information at this time.

This IUP serves as the planning document for explaining the use of monies we expect to be available to the CWSRF through, including: the undrawn balance of Federal capitalization grants and State matching funds; projected repayments; interest earnings from the CWSRF program equity; and the FFY-2024 Federal capitalization grant and State matching funds. As currently developed, this IUP identifies the specific projects and activities associated with the federal allocations for FFY-2024 of the BIL Act, as well as the repayment funds.

As of April, 2024, \$206,213,020.53 are deposited on the Clean Water SRF Trust Account, which was created on December 2018. None of these funds are considered in this IUP since they are described and compromised with projects in the FFY-2024 SRF-Base funds IUP. The WPCRF project list includes mostly projects from the Puerto Rico Aqueduct and Sewer Authority (PRASA).

The FFY-2024 federal allocations under the BIL, as well as the corresponding Government match are as follow:

**Table 1. Federal allocations under Title VI and Government match.**

Federal Fiscal Year	Award Date	Federal Allocation	604 (b) Set Aside	Federal Allotment Less 604(b)	Government Match	Total	Federal State Proportionality	
							Federal Share	State Share
2024	*	\$29,961,000	\$300,000	\$29,661,000	\$5,932,200	\$35,593,200	83.33333333%	16.666667%

\* To be awarded by EPA on September 30, 2024 or prior to this date.

## 2 GOALS

As required under the Act, the Government is to identify the goals and objectives of its Water Pollution Control Revolving Fund.

## 2.1 Short -Term Goals

The Government has the following goals and objectives for the WPCRF Program over the short term:

***Goal #1:** Establish and manage an effective and comprehensive Water Pollution Control Revolving Fund Program. The Government outlined six (6) objectives in order to achieve this goal, as shown below:*

Objective 1.A: To develop and implement administrative rules and guidelines for managing the WPCRF program.

Objective 1.B: To develop and implement an annual IUP and prepare and submit along with the IUP an annual application for the capitalization grant.

Objective 1.C: To develop and implement standard operation procedures and policies for managing the WPCRF program.

Objective 1.D: To ensure the use of accounting, auditing and fiscal procedures that conforms to generally accepted government accounting standards.

Objective 1.E: To develop and submit an annual report to EPA covering the accomplishments of the IUP.

Objective 1.F: To maintain updated the historical data on the Clean Water Benefits Reporting System.

***Goal #2:** Maintain a self-sustaining revolving loan program through the WPCRF to improve and protect water quality and public health. Associated to this goal are several objectives, which have been achieved, although others are in process.*

Objective 2.A: To ensure and provide low cost financial assistance to all qualified applicants seeking WPCRF loans for wastewater treatment facilities.

Objective 2.B: To coordinate WPCRF activities among DNER, Puerto Rico Infrastructure Finance Agency (PRIFA) and any qualified loan applicant.

Objective 2.C: To maintain a self-sustaining revolving loan program through DNER administration.

**Goal #3:** *Provide qualified applicants with low-cost financial assistance for necessary wastewater treatment facilities.*

Objective 3.A: To encourage and work with any other qualified applicant to assess financial capabilities and determine the best financial alternatives.

Objective 3.B: To request new qualified applicants submittal of eligible projects that are ready to begin construction in order to diminish the existing ULO's situation.

## **2.2 Long-Term Goals**

In addition to these short-term goals, the Government has the following long-term goals for the WPCRF program:

**Goal #1:** *Ensure compliance by all publicly owned treatment works with Government water quality goals and standards and the enforceable deadlines, goals and requirements of the Act.*

**Goal #2:** *Ensure technical integrity of WPCRF projects by ensuring adequate and effective planning, design and construction management.*

**Goal #3:** *Maintain an adequate data management system in tracking and monitoring all WPCRF projects and program information.*

**Goal #4:** *Integrate effectively procedures and guides that facilitate the implementation of sustainable infrastructure to the projects financed by the program.*

## **3 INFORMATION ON ACTIVITIES TO BE SUPPORTED**

Information pertinent to each WPCRF project is contained in Appendix B, which will be submitted by the applicant pursuant to Section 606(c) (3) of the Act. As identified in the Capitalization Grant applications, DNER intends to use less than 4% of the capitalization grant for administrative support. Based on WPCRF funds available in FFY-2024, DNER will use up to \$700,000 from the Title VI federal allocation for administrative support for developing, managing and operating the WPCRF program. Appendix C identifies the proposed disbursement schedules for administrative expenses.

### **3.1 Green Project Reserve**

The provision in the Procedures for Implementing Certain Provisions of EPA’s Fiscal Year 2024 Appropriations Affecting the Clean Water and Drinking Water State Revolving Fund Programs states that: “*Provided*, That for FFY-2024, to the extent there are sufficient eligible project applications, not less than 10 percent of the funds made available under this title to each State for Clean Water State Revolving Fund capitalization grants shall be used by the State for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities.” These four categories of projects are the components of the GPR and define “green” projects.

### **3.2 Davis Bacon compliance**

The Davis-Bacon provision states that: “For fiscal year 2013 and each fiscal year thereafter, the requirements of section 513 of the Federal water pollution Control Act (33 U.S.C. 1372) shall apply to the construction of treatment works carried out in whole or in part with assistance made available by a State Water Pollution Control Revolving Fund as authorized by title vi of that Act (33 U.S.C. 1381 et seq.), or with assistance made available under section 205 (m) of that Act (33 U.S.C. 1285 (m)), or both.”

Moreover, among the provisions of the 2014 amendments to Title VI of the Federal Water Pollution Control Act (FWPCA) any project that is considered a “treatment work” as defined in FWPCA section 212, currently incorporated in FWPCA Section 502 (26), must comply with the FWPCA 513, regardless of which eligibility it is funded under (*see section 603(c)*).

### **3.3 Energy initiatives**

DNER is seeking to assist all projects receiving CWSRF financing to increase project energy efficiency. The long-term goal of this effort will be to identify energy saving opportunities earlier in the planning process for new projects. By doing so, these opportunities can then be more easily incorporated into the scope of work for CWSRF financed projects. All engineering reports submitted should contain a description of increased energy efficiency features considered in the design documents. The engineering report should also include, where practicable, a present value energy savings analysis of all design alternatives considered, with energy use and cost assumptions clearly identified.

### **3.4 Disadvantaged Communities and Tribes**

The BIL contains the following provision: “A key priority of BIL is to ensure that disadvantaged communities benefit equitably from this historic investment in water infrastructure. Disadvantaged communities can include those with environmental justice concerns that often include low-income people and communities of color. Disadvantaged communities exist in every state, tribe, and territory and encompass urban, suburban, and rural areas across America. Disadvantaged communities experience, or are at risk of experiencing, disproportionately high exposure to pollution – whether in air, land, or water.” The Government defines disadvantaged communities to the areas which most suffer from a combination of economic, health, and environmental burdens. These burdens include but are not limited to: low income, projected flood risk, energy cost, lack of indoor plumbing, lead paint, housing cost, proximity to hazardous waste facilities, proximity to Superfund or National Priorities List (NPL) sites, proximity to Risk Management Plan (RMP) facilities, diesel particulate matter exposure, traffic proximity and volume, underground storage tanks and releases, wastewater discharge, low median income, poverty, unemployment, and high school education.

### **3.5 Bypass Financing**

The Government expects that the projects described in the BIL FFY-2024 project list in Table 5 will proceed in the order as they are listed.

## **4 FUNDS AND FINANCING**

### **4.1 Proposed Funding**

Applicants whose projects are listed in the CWSRF subsidized funding are eligible for a subsidy as detailed in section 0. Of the \$2,403,000,000 Allotment of the BIL appropriation for the CWSRF for the FFY-2024, Puerto Rico CWSRF would receive \$29,661,000. This is reflected in this IUP.



## 4.2 SRF Funds and Repayments<sup>1</sup>

The Federal Fiscal Year 2024 allocation under the BIL, as well as the corresponding Government match is as follow:

**Table 2. Federal Allocation, Government match and Green Project Reserve**

Federal Fiscal Year	Award Date	Federal Allocation	604 (b) Set Aside	Federal Allotment Less 604(b)	Government Match	Total	Green Reserve Project Amount
2024	*	\$29,961,000	\$300,000	\$29,661,000	\$5,932,200	\$35,593,200	\$2,966,100

\* To be awarded by EPA on September 30, 2024 or prior to this date.

Appendix A identifies the proposed disbursement schedules for using the FFY-2024 BIL funds. The disbursement schedules identify the anticipated amount of and the time over which Federal and Government funds will be expended from the WPCRF. Appendix B list additional information concerning the WPCRF projects identified above.

For the payment using the EPA Automated Clearing House, PRIFA will deposit, on or before the date of payment, an amount equal to 20% of each payment. DNER will cause PRIFA to enter binding commitments in an amount equal to 120% of each payment within one year of receipt of such payment. The binding commitment will be evidenced by a loan agreement executed by PRIFA, DNER and the qualified applicants.

The following sets out the Federal Automated Clearing House payment and Government match deposit schedule:

**Table 3. Federal automated clearing house payment and Government match deposit schedule.**

Fiscal Year	Date	Federal Payment	Government Match	Total
2024	One year after award date	\$29,661,000	\$5,932,200	\$35,593,200

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<sup>1</sup> None of the repayment funds are considered in this IUP since they are described and compromised with projects in the FFY-2024 SRF-Base funds.

The following summarizes the availability of project funding:

**Table 4. Summary of funds available because of the federal BIL Capitalization grant. FFY-2024<sup>2</sup>**

<b>I. Sources of Funds</b>			
1	Prior Year Carry Over Funds	+	–
2	Current Year Grant (FFY-2024*)	+	\$29,661,000
3	Government Matching Share	+	\$2,966,100
4	Repayments to the SRF and Interest Earned from Loans	+	–
5	Other Income to the Fund	+	–
6	Total WPCRF Funds Available	=	\$35,593,200
<b>II. Uses of Funds</b>			
1	Total WPCRF Funds Available		\$35,593,200
2	4% Administrative Cost	-	\$700,000
3	Available for Projects	=	\$34,893,200

\* To be awarded by EPA on September 30, 2024 or prior to this date.

As identified in the Capitalization Grant applications, DNER intends to use less than 4% of the federal funds for administrative support. Based on WPCRF funds available in FFY-2024, DNER will use up to \$700,000 from the Title VI federal allocation for administrative support for developing, managing and operating the WPCRF program. Appendix C identifies the proposed disbursement schedules for administrative expenses. The accumulated administrative funds will be used according to “First in-First Out” (FIFO) procedures. In case the administrative funds corresponding to the BIL FFY-2024 are not used during the current federal fiscal year, such funds will be banked to be used in future years.

### **4.3 Additional Subsidization**

The Appropriation Act states that “Provided further, that for the funds made available under this paragraph in this Act, forty-nine percent of the funds made available to each State for Clean Water State Revolving Fund capitalization grants shall be used by the State to provide subsidy to eligible recipients in the form of assistance agreements with 100 percent forgiveness of principal or grants (or any combination of these), notwithstanding section 603(i)(3)(B) of the Federal Water Pollution Control Act (33 U.S.C. 1383):”.

<sup>2</sup> Emerging Contaminants funds are not included in this table.

The Calculation of the Additional Subsidization for the CWSRF program is as follow:

- a. The amount of \$2,403,000,000 provided by the FFY-2024 BIL Consolidated Appropriations is available for capitalization grants to the 51 state and/or territories.
- b. Exactly 49% of the capitalization grant must be provided as additional subsidization consistent with the FFY-2024 BIL Appropriation. It is DNER intention to offer the maximum amount of \$14,533,890 allowable.

#### 4.4 WRRDA Affordability Criteria

The Water Resource Reform and Development Act of 2014 required that states develop affordability criteria by September 30, 2015. These criteria are required, by statute, to evaluate applicants based on the following metrics: (1) Income, (2) Unemployment, (3) Population trend, and (4) Any other metric that the state or CWSRF program feels is relevant. The following criteria have been developed for Puerto Rico’s CWSRF program. The scoring system will be used to rank applicants based on the service area of the individual project, and will be used when allocating additional subsidy. All data used in developing these criteria came from the U.S. Census or the U.S. Department of Labor statistics.

<b>POPULATION</b>	
Total Population served by project efforts	
• Service Area Population less than 200,000	50
• Service Area population less than 500,000	30
• Service Area population is 500,000 or greater	0
<b>UNEMPLOYMENT</b>	
<b>Comparison of service area unemployment<sup>3</sup> to Government average</b>	
• Service Area Unemployment >12.5%	20
• Service Area Unemployment >10%	10
• Service Area Unemployment rate <	0
<b>INCOME</b>	
User Fees in Service Area as Percentage of Median Household Income (household sewer rate/area MHI)	
• Rates are more than 2% of the service area MHI	20
• Rates are between 1% and 2% of the service area MHI	10
• Rates are less than 1% of the service area MHI	0

<sup>3</sup> If unemployment data is unavailable for the precise service area, use a county or municipality as an approximation of local rates as compared to the island-wide average.

<b>POPULATION TREND</b>	
<b>Population trend of municipality or service area between 2000 and 2010</b>	
• Service area has experienced population loss	10
• Service area has experienced population growth	0

#### **4.5 Bypass Financing**

DNER has included subsidy lines in this IUP to identify which projects will likely receive CWSRF subsidized funding. Historically, not all applicants with projects above the subsidy line proceed with their projects. DNER will “bypass” these funds to other projects within the same category and some applicants with projects below the subsidy lines may become eligible for CWSRF subsidized funding. DNER will bypass funds to communities with projects listed below the subsidy line. It is not possible to determine which communities will be reachable for subsidized financing through the bypass process at this time. As such, communities with projects below the subsidy line may wish to consider taking advantage of the SRF Guarantees.

The Government expects that the projects described in the FFY-2024 BIL project list in Table 5 will proceed in the order as they are listed. The total amount of the Table 5 exceeds the summary of funds available of the BIL capitalization grant of FFY-2024. This, if any of those projects do not proceed.

#### **4.6 Waivers**

DNER needs to comply with a minimum of 10% designated to eligible Green Project Reserve (GPR) projects. However, if at any time, is determined that it cannot meet the 10% GPR requirement, DNER may request a waiver from EPA. EPA will review these requests on a case-by-case basis. EPA will use sample actions as a guide when deciding whether to approve or disapprove a State’s request for a waiver from GPR. If EPA approves a State’s request for relief from the GPR requirement, then the portion of the GPR for which there are no qualified applications can be used for other conventional, eligible projects. If EPA does not approve a State’s request, then the State must continue trying to solicit projects.

However, the DNER agrees to make a timely and concerted solicitation for projects that address green infrastructure, water or energy efficiency improvements or other environmentally innovative activities. The DNER agrees to include in its IUP such qualified projects or components of projects that total not less than 10% of its capitalization grant. If the 10% is not reached, the DNER agrees to conduct additional solicitation, to amend its project list in order to include any such qualified

projects thus identified and be able to provide not less than 10% of the FFY-2024 funds available. If there are not sufficient qualified projects or components on the amended project list after such additional solicitation, the DNER may if necessary submit a waiver request to EPA in accordance with the FFY-2024 Procedures.

## 5 LISTING OF WATER POLLUTION CONTROL REVOLVING FUND PROJECTS

DNER shall include a list of eligible projects for receiving funds from the BIL FFY-2024 appropriations under the WPCRF Program. The following is a list of WPCRF projects that are being considered for funding.

**Table 5. CWSRF BIL Project Funding**

PROJECT NAME	PROJECT TYPE	PROJECT ELIGIBLE COST	FUNDING AMOUNT	GPR	PRIORITY LIST RANKING
<b>Federal Fiscal Year 2024 BIL Funds</b>					
Puerto Nuevo RWWTP Degritters (C-72-096-46) NPDES No. PR21555	Design & Construction	\$53,511,352	\$2,393,210		34
Isleta Marina WWTP Elimination – Fajardo (C-72-116-16) NPDES No. PR0026484	Design & Construction	\$1,575,000	\$1,575,000*	–	59
Albergue Olímpico New WWTP – Salinas (C-72-108-11)	Design & Construction	\$6,291,403	\$6,291,403*		61
Bayamón WWTP Improvements – Cataño (C-72-103-23) NPDES No. PR0023728	Design & Construction	\$29,244,947	\$2,000,000		68
Treasure Valley PS Improvements – Cidra (C-72-041-06) NDPES No. PR25356	Design & Construction	\$10,000,000	\$4,000,000	Energy Efficiency \$4,000,000	76
Radioville SSS – Arecibo (C-72-013-01) NPDES No. PR0023710	Design & Construction	\$13,307,218	\$4,500,000		79
San Carlos & Monte Elena Community – Dorado (C-72-051-02) NPDES No. PR0020460	Design & Construction	\$19,018,810	\$1,212,750*	–	86
Van Scoy TS Improvements – Bayamón (C-72-021-21) NPDES No. PR0023728	Design & Construction	\$9,373,500	\$4,500,000		98
Emergency Generators Islandwide (Phase IV) (C-72-250-21)	Design & Construction	\$30,000,000	\$8,420,837*	Energy Efficiency \$8,420,837	99
<b>Total</b>			<b>\$34,893,200</b>		
* To be provided as additional subsidization in the form of principal forgiveness and 0% interest.					

The WPCRF project list may include NPS projects and activities once the Government’s NPS Assessment and Management Program is approved and the Priority System is revised to include such projects and activities. The binding commitments for the projects included in Table 5 are expected to be executed by September 30, 2025.

## 6 CWSRF EMERGING CONTAMINANTS PROVISIONS

Emerging contaminants refer to substances and microorganisms, including manufactured or naturally occurring physical, chemical, biological, radiological, or nuclear materials, which are known or anticipated in the environment, that may pose newly identified or re-emerging risks to

human health, aquatic life, or the environment. These substances, microorganisms, or materials can include many different types of natural or manufacture chemicals and substances – such as those in some compounds of personal care products, pharmaceuticals, industrial chemicals, pesticides, and microplastics. For a project or activity to be eligible under this appropriation, it must be otherwise eligible under section 603(c) of the CWA and the primary purpose must be to address emerging contaminants. States may utilize an amount up to 2% of this appropriation to provide technical assistance to small, rural, and tribal publicly-owned treatment works.

**Table 6. CWSRF Emerging Contaminants Project Funding**

PROJECT NAME	PROJECT TYPE	PROJECT ELIGIBLE COST	FUNDING AMOUNT	GPR	PRIORITY LIST RANKING
<b>Federal Fiscal Year 2024 Emerging Contaminants Funds</b>					
Determination of the Spatial and Temporal Variability of PFAS Compounds in Reservoirs and Rivers of Puerto Rico and Development of an Integrated Platform for Nowcasting Harmful Algal Blooms in Reservoirs of Puerto Rico (C-72-250-22)	Study	\$8,319,000	\$2,798,000	\$2,798,000	104
<b>Total</b>			<b>\$2,798,000</b>		
* To be provided 100% as additional subsidization in the form of principal forgiveness and 0% interest.					

## 7 CRITERIA AND METHODS OF DISTRIBUTION OF FUNDS

On April 21, 2010, new requirements were established regarding the provisions related to GPR and Grants Policy Issuance (GPI) 11-01 – Managing unliquidated obligations and Ensuring Progress under EPA Assistance Agreements. In order to comply with the new requirements set forth in these provisions, DNER developed a new Priority Ranking System for CWSRF that allows eligible projects to receive funding of the GPR, additions subsidies and gives priority to those projects that are ahead in the planning and design stages. This Priority Ranking System and Project Priority List provide an order of ranking wastewater facilities projects considering ten (10) criteria with its corresponding sub-divisions:

- Project Needs
- Planning
- Critical health problems
- Regionalization/Decentralization
- Compliance and Enforcement (Facilities Under Court Order)
- Water Quality
- Financial Need
- Estuary Management

- Green and/or Sustainable Infrastructure
- Tie breaking

In addition, the following factors were taken into consideration to fund projects:

- request to be by-passed for funding considerations;
- non-compliance of projects with the enforceable requirements of the Act;
- delays of high priority projects because of non-completion of preceding step and funding of lower priority projects if ready for funding.

Similarly, lower priority projects considered to be an essential part of an eligible project may be selected and by pass projects with a higher priority. DNER will submit shortly the final Priority List in conjunction with the signed Resolution from the Board.

Due to time constraints in the availability and duration of funds, the projects included in this IUP are the ones ahead in the design. DNER will keep continuous communication and coordination with EPA regarding any changes to the use of BIL FFY-2024 funds, if necessary.

## **8 PUBLIC PARTICIPATION**

For this IUP, a public participation process will be undertaken in accordance with 40 CFR 35.3150. A public hearing will be scheduled to review DNER's Project Priority List and receive comments on the same. After the new hearing takes place, summaries of the public participation process will be prepared and made public available. DNER expects to review all the comments regarding the public hearing by December 2024. After that, the Board will sign a resolution with the final comments and will be provided to EPA for its approval along with the new Priority System.

## **9 ASSURANCES AND SPECIFIC PROPOSALS**

DNER provides the necessary assurances and certifications as part of the Operating Agreement. This Agreement is the official operating agreement between DNER acting on behalf of the Government and EPA.

## 10 REPORTING

### 10.1 Annual Report

Section 606(d) requires that beginning the first year after receiving payments under the WPCRF, DNER shall provide an Annual Report to EPA. The Annual Report shall be submitted to EPA within ninety (90) days after the end of the fiscal year covered by the IUP. This report shall identify loan recipients, loan amounts and terms under Title VI of the Act and its implementing regulations and other such information as EPA may require.

### 10.2 Clean Water Benefits Reporting System

In order to comply with the reporting requirements, information will be entered into the Clean Water Benefits Reporting system (CBR) no less often than quarterly and will include the use of funds for the GPR and additional subsidization as well as project benefits. This information will also be included in the Annual Report to EPA.

## 11 APPENDICES

### 11.1 Appendix A

To be submitted shortly

### 11.2 Appendix B

To be submitted shortly

### 11.3 Appendix C

<b>PROPOSED DISBURSEMENT SCHEDULE OF FEDERAL AND STATE FUNDS FOR ADMINISTRATIVE EXPENSES (BIL FFY-2024)</b>				
<b>Disbursement by Quarters (FY-2024)</b>		<b>Federal (83.3333333%)</b>	<b>State (16.6666667%)</b>	<b>Amount</b>
<b>Fiscal Year</b>	<b>Quarter</b>			
2024	4	\$145,833	\$29,167	\$175,000
2025	1	\$145,833	\$29,167	\$175,000
2025	2	\$145,833	\$29,167	\$175,000
2025	3	\$145,833	\$29,167	\$175,000
<b>SUBTOTAL</b>		<b>\$583,332</b>	<b>\$116,668</b>	<b>\$700,000</b>



## 11.4 Appendix D

<p><b>Puerto Nuevo RWWTP Degritters – San Juan (C-72-096-46)</b></p> <p>The Puerto Nuevo RWWTP has operated since 2009 without any grit removal process. The absence of a functioning grit removal facility results in excessive levels of grit within the clarifiers. To improve the operation and reliability of the plant, PRASA plans to complete the new grit removal facility. This new grit removal facility will be capable of handling a future monthly average flow of 100 million gallons per day (MGD) and a daily maximum flow of 200 MGD. The new facility will consist of a cast-in-place tank with six grit chambers and related mechanical, electrical and process equipment, and utilities. This project will benefit approximately 515,300 residents in the Municipalities of San Juan, Guaynabo and Trujillo Alto.</p>
<p><b>Isleta Marina WWTP Elimination – Fajardo (C-72-116-16)</b></p> <p>The project consists of developing a project to seize and demolish the treatment plant once the necessary infrastructure is built to transfer wastewater by pumping. An underwater tube must be provided for forced transfer of sanitary effluents to the existing PRASA sewer system in the Maternillo neighborhood of Fajardo. The environmental importance of the project consists of the elimination of a point of discharge of sanitary effluents into Fajardo Bay, which is part of the La Cordillera Natural Reserve.</p>
<p><b>Albergue Olímpico New WWTP – Salinas (C-72-108-11)</b></p> <p>The proposed project consists in the following activities: 1) Demolition of the existing WWTP. 2) Construction of a new plant. 3) Connection of the collection system to the new plant. 4) Rehabilitation of manholes. 5) Provide access to covered manholes. 6) Improve mechanical and electrical conditions of the existing pump station. 7) Incorporate automatic switch for the existing irrigation system. 8) Installation of new fence for the new plant area. 9) Emergency generator. 10) Install flow meters throughout the distribution network, at the pump station and in the plant.</p>
<p><b>Bayamón WWTP Improvements – Cataño (C-72-103-23)</b></p> <p>PRASA proposes to complete the phase 1A improvements project which consists of works in the influent manhole and sample shack, influent wet pit and screen building, influent pump station, degritters system, primary clarifiers, administration building and access roads. This project will benefit approximately 260,000 families in the municipality of Bayamón.</p>
<p><b>Treasure Valley PS Improvements – Cidra (C-72-041-06)</b></p> <p>This pump station is subject to overload conditions, specially during rain events. The project's objective is to redirect the wastewater flow handled by the Ciudad Primavera sanitary pump station by the extension of its force line up to a new discharge point into the Cidra I sanitary pump station service area. The project will require approximately 2,200 meters of 10 inch PVC force line and potential improvements to an existing ancillary infrastructure. Also contemplated in the scope are the improvements to the pump station by replacing the pumps, new check valves and gate valves, improvements to the electrical substation to increase its capacity and even a new power generator to make it resilient. This project will benefit a population of 1,300 families.</p>
<p><b>Radioville SSS – Arecibo (C-72-013-01)</b></p> <p>The project objective is to rehabilitate deteriorated sanitary pipe along the Radioville Community in Arecibo. The project includes among other tasks: Replacement and installation of pipelines and manholes of the sanitary sewer system according to the results of the wastewater projection, geotechnical investigation, land survey for the new infrastructure with respective elevations and perform an underground utility survey to identify possible conflicts on the proposed pipeline pathway. This project will benefit 7,100 families.</p>
<p><b>San Carlos &amp; Monte Elena Community – Dorado (C-72-051-02)</b></p> <p>PRASA proposes the construction of a new gravity sanitary sewer system for the San Carlos community, new sanitary sewer pipe along PR-969, and replacement of the lateral sanitary sewer pipe at Quintas de Dorado. Project objective is to provide an adequate service to the San Carlos community, which currently dispose wastewater via individual septic tanks and correct capacity issues with the existing lateral pipe in the Blvd. Nogal Avenue section, at Quintas de Dorado. Also, the new sanitary sewer pipe will have the capacity to connect other communities along PR-969, in the future. In addition, the Monte Elena sanitary pump station will be eliminated, and its flow conveyed to the new sanitary sewer pipe along the Almendrillo Street. The proposed project will provide a safe and reliable sanitary sewer system for the proper handling and disposal of wastewater. This project will benefit approximately 1,000 families in the municipality of Dorado.</p>
<p><b>Van Scoy TS. Improvements – Bayamón (C-72-021-21)</b></p> <p>The sanitary trunk sewer of Van Scoy in Bayamón is compromised due to the high sewage volume received by multiple pump stations in the area. The situation is causing overflow, odor issues and capacity concerns in the 18 inches diameter pipeline segment that runs along from PR-199 up to Marta Street of Rexsville Community. The project objective is to improve the system in the area, divert the flow from the community and provide capacity for new connections. A Design and Construction project of a 24" diameter trunk is recommended with an approximate length of 2,225 meters from PR-199 that will divert all flows from Toa Alta Heights PS, Ciudad Jardín PS, Los Palacios PS, Las Quintas PS, Buena Vista PS, El Zorzal PS, Vistas del Bosque PS, Brisas de Monte Lago PS, Reparto Rivera PS and the North Rexville Gravity Systems, Los Dominicos, Van Scoy and Bella Vista, among others. This new trunk will have the capacity for the management of new connections and will divert flows to Calle 11 where the trunk increases the diameter to 27". By reducing the flow handled by the existing trunk we will avoid the accumulation of flow above the level of the crown and turbulence with a laminar flow so that they cease objectionable odors, overflows that affect the health and safety of customers and the environment. Families benefited from this project are 500.</p>

**Emergency Generators Islandwide (Phase IV) (C-72-250-19)**

PRASA has the necessity of the acquisition and installation of Emergency Generators Islandwide. The objective of this project is to replace power emergency generators that are out of service, defective or have reached their useful life. The project includes the installation of emergency power generators, automatic transfer switches, conduits, wiring and double wall diesel tanks. The construction activities include the selective demolition of existing infrastructure, building of concrete platforms, security cages and restoring existing to be modified infrastructure. The project will provide and improve the level of service in the face of faults and challenges to normal utility energy supply. This project will benefit approximately 469,721 families islandwide.

**Determination of the Spatial and Temporal Variability of PFAS Compounds in Reservoirs and Rivers of Puerto Rico and Development of an Integrated Platform for Nowcasting Harmful Algal Blooms in Reservoirs of Puerto Rico (C-72-250-22)**

The overall objectives of the project are the following: 1) Determination of the temporal and spatial variability of eight (8) PFAS compounds in the dam area of four (4) reservoirs on the island. 2) Determination of the temporal variability of eight (8) PFAS compounds in at least one of the main tributaries of the four (4) reservoirs. 3) Determination of the temporal variability of eight (8) PFAS compounds in four rivers located in areas with less influence of the human footprint on the island. 4) Determination of the temporal variability of eight (8) PFAS compounds and four (4) algal toxins in three drinking water plants on the island. 5) Development of an optical monitoring platform to document the spatial and temporal variability of the occurrence of algal blooms in the dam area of four reservoirs on the island. 6) Quantify toxin production levels during HABs events in the dam area of four reservoirs on the island. 7) Develop a multiple regression model for same-day mapping of HABs occurrence in four reservoirs on the island.



# INTENDED USE PLAN

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## Government of Puerto Rico Water Pollution Control Revolving Fund Federal Fiscal Year 2024

Government of Puerto Rico  
Department of Natural Environmental Resources  
August 2024 (Final)



# TABLE OF CONTENTS

<b>1</b>	<b>INTRODUCTION .....</b>	<b>4</b>
<b>2</b>	<b>GOALS .....</b>	<b>5</b>
2.1	SHORT -TERM GOALS.....	5
2.2	LONG-TERM GOALS.....	6
<b>3</b>	<b>INFORMATION ON ACTIVITIES TO BE SUPPORTED .....</b>	<b>7</b>
3.1	GREEN PROJECT RESERVE.....	7
3.2	DAVIS BACON COMPLIANCE.....	8
3.3	ENERGY INITIATIVES .....	8
3.4	DISADVANTAGED COMUNNITIES AND TRIBES .....	8
3.5	BYPASS FINANCING.....	9
<b>4</b>	<b>FUNDS AND FINANCING .....</b>	<b>9</b>
4.1	PROPOSED FUNDING.....	9
4.2	SRF FUNDS AND REPAYMENTS.....	9
4.3	ADDITIONAL SUBSIDIZATION .....	11
4.4	WRRDA AFFORDABILITY CRITERIA.....	12
4.5	BYPASS FINANCING.....	13
4.6	WAIVERS.....	13
<b>5</b>	<b>LISTING OF WATER POLLUTION CONTROL REVOLVING FUND PROJECTS.....</b>	<b>14</b>
<b>6</b>	<b>CRITERIA AND METHODS OF DISTRIBUTION OF FUNDS .....</b>	<b>15</b>
<b>7</b>	<b>PUBLIC PARTICIPATION .....</b>	<b>16</b>
<b>8</b>	<b>ASSURANCES AND SPECIFIC PROPOSALS .....</b>	<b>16</b>
<b>9</b>	<b>REPORTING.....</b>	<b>16</b>
9.1	ANNUAL REPORT.....	16
9.2	CLEAN WATER BENEFITS REPORTING SYSTEM.....	17
<b>10</b>	<b>APPENDICES .....</b>	<b>17</b>
10.1	APPENDIX A .....	17
10.2	APPENDIX B .....	17
10.3	APPENDIX C .....	17
10.4	APPENDIX D .....	18

## List of Tables

<b>Table 1. Federal allocations under Title VI and Government match. ....</b>	<b>5</b>
<b>Table 2. Federal Allocation, Government match and Green Project Reserve. ....</b>	<b>9</b>
<b>Table 3. Federal automated clearing house payment and Government match deposit schedule. ....</b>	<b>10</b>
<b>Table 4. Summary of funds available because of the federal Capitalization grants. FFY 2024.....</b>	<b>10</b>
<b>Table 5. CWSRF Project Funding .....</b>	<b>14</b>
<b>Table 6. CWSRF Project Funding for FFY-2015 Reprogrammed Funds.....</b>	<b>14</b>
<b>Table 7. CWSRF Project Funding for FFY-2022 Reprogrammed Funds.....</b>	<b>15</b>

## 1 INTRODUCTION

The Clean Water State Revolving Fund (CWSRF) was established to help finance projects that improves, maintains or protects water quality. CWSRF provided more funds annually to fund water quality protection projects for wastewater treatment, nonpoint source pollution control, and watershed and estuary management.

The Department of Natural Environmental Resources (DNER) hereby submits to the U.S. Environmental Protection Agency (EPA), the final Intended Use Plan (IUP) for federal fiscal year (FFY) 2024, which runs from October 1, 2023 to September 30, 2024. Also, this IUP contemplates the reallocation of a portion of the funds corresponding to the FFYs 2015 & 2022.

This IUP meets the requirements of Section 606(c) of the Clean Water Act, as amended (the Act).

These requirements of the Act are as follows:

- a. A list of those projects for construction of publicly owned treatment works on the Government's priority list developed pursuant to Section 216 of the Act. Also a list of activities eligible for assistance under Section 319 and 320 of the Act may be provided;
- b. A description of the short and long term goals and objectives of the Government of Puerto Rico Water Pollution Control Revolving Fund (WPCRF);
- c. Information on the activities to be supported, including a description of project categories, discharge requirements under Title III and IV of the Act, terms of financial assistance and communities served;
- d. Assurances and specific proposals for meeting certain requirements of the Operating Agreement and Capitalization Grant Agreement; and
- e. The criteria and methods established for the distribution of WPCRF funds.

To meet the Federal requirements pertaining to reporting on the environmental benefits, DNER has committed to complete the EPA one page form at time of loan execution, therefore is exempt from providing such information at this time.

This IUP serves as the planning document for explaining the use of monies we expect to be available to the CWSRF through, including: the undrawn balance of Federal capitalization grants and State matching funds; projected repayments; interest earnings from the CWSRF program

equity; and the FFY-2024 Federal capitalization grant and State matching funds. As currently developed, this IUP identifies the specific projects and activities associated with the federal allocations for FFY-2024 Title VI of the Act, as well as the repayment funds.

As of April 30, 2024, \$206,213,020.53 are deposited on the Clean Water SRF Trust Account, which was created on December 2018. The WPCRF project list includes mostly projects from the Puerto Rico Aqueduct and Sewer Authority (PRASA).

The FFY-2024 federal allocations under Title VI, as well as the corresponding Government match are as follow:

**Table 1. Federal allocations under Title VI and Government match.**

Federal Fiscal Year	Award Date	Federal Allocation	604 (b) Set Aside	Federal Allotment Less 604(b)	Government Match	Total	Federal State Proportionality	
							Federal Share	State Share
2024	*	\$10,755,000	\$108,000	\$10,647,000	\$2,129,400	\$12,776,400	83.33333333%	16.66666667%

\* To be awarded by EPA on September 30, 2024 or prior to this date.

## 2 GOALS

As required under the Act, the Government is to identify the goals and objectives of its Water Pollution Control Revolving Fund.

### 2.1 Short -Term Goals

The Government has the following goals and objectives for the WPCRF Program over the short term:

***Goal #1:** Establish and manage an effective and comprehensive Water Pollution Control Revolving Fund Program. The Government outlined six (6) objectives in order to achieve this goal, as shown below:*

Objective 1.A: To develop and implement administrative rules and guidelines for managing the WPCRF program.

Objective 1.B: To develop and implement an annual IUP and prepare and submit along with the IUP an annual application for the capitalization grant.

Objective 1.C: To develop and implement standard operation procedures and policies for managing the WPCRF program.

Objective 1.D: To ensure the use of accounting, auditing and fiscal procedures that conforms to generally accepted government accounting standards.

Objective 1.E: To develop and submit an annual report to EPA covering the accomplishments of the IUP.

Objective 1.F: To maintain updated the historical data on the Clean Water Benefits Reporting System.

Objective 1.G: To diminish the existing Un-liquidated Obligation (ULO's) balances due to open grants.

*Goal #2: Maintain a self-sustaining revolving loan program through the WPCRF to improve and protect water quality and public health. Associated to this goal are several objectives, which have been achieved, although others are in process.*

Objective 2.A: To ensure and provide low cost financial assistance to all qualified applicants seeking WPCRF loans for wastewater treatment facilities.

Objective 2.B: To coordinate WPCRF activities among DNER, Puerto Rico Infrastructure Finance Agency (PRIFA) and any qualified loan applicant.

Objective 2.C: To maintain a self-sustaining revolving loan program through DNER administration.

*Goal #3: Provide qualified applicants with low-cost financial assistance for necessary wastewater treatment facilities.*

Objective 3.A: To encourage and work with any other qualified applicant to assess financial capabilities and determine the best financial alternatives.

Objective 3.B: To request new qualified applicants submittal of eligible projects that are ready to begin construction in order to diminish the existing ULO's situation.

## **2.2 Long-Term Goals**

In addition to these short-term goals, the Government has the following long-term goals for the WPCRF program:



*Goal #1: Ensure compliance by all publicly owned treatment works with Government water quality goals and standards and the enforceable deadlines, goals and requirements of the Act.*

*Goal #2: Ensure technical integrity of WPCRF projects by ensuring adequate and effective planning, design and construction management.*

*Goal #3: Maintain an adequate data management system in tracking and monitoring all WPCRF projects and program information.*

*Goal #4: Integrate effectively procedures and guides that facilitate the implementation of sustainable infrastructure to the projects financed by the program.*

*Goal #5: Diminish the amount of open grants agreements to only two.*

### **3 INFORMATION ON ACTIVITIES TO BE SUPPORTED**

Information pertinent to each WPCRF project is contained in Appendix B, which will be submitted by the applicant pursuant to Section 606(c) (3) of the Act. As identified in the Capitalization Grant applications, DNER intends to use 4% of the federal funds for administrative support. Based on WPCRF funds available in FFY-2024, DNER will use up to \$425,880 from the Title VI federal allocation for administrative support for developing, managing and operating the WPCRF program. Appendix C identifies the proposed disbursement schedules for administrative expenses.

#### **3.1 Green project Reserve**

The provision in the Procedures for Implementing Certain Provisions of EPA’s Fiscal Year 2024 Appropriations Affecting the Clean Water and Drinking Water State Revolving Fund Programs states that: “*Provided*, That for FFY-2024, to the extent there are sufficient eligible project applications, not less than 10 percent of the funds made available under this title to each State for Clean Water State Revolving Fund capitalization grants shall be used by the State for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities.” These four categories of projects are the components of the GPR and define “green” projects.

### **3.2 Davis Bacon compliance**

The Davis-Bacon provision states that: “For fiscal year 2013 and each fiscal year thereafter, the requirements of section 513 of the Federal water pollution Control Act (33 U.S.C. 1372) shall apply to the construction of treatment works carried out in whole or in part with assistance made available by a State Water Pollution Control Revolving Fund as authorized by title vi of that Act (33 U.S.C. 1381 et seq.), or with assistance made available under section 205 (m) of that Act (33 U.S.C. 1285 (m)), or both.”

Moreover, among the provisions of the 2014 amendments to Title VI of the Federal Water Pollution Control Act (FWPCA) any project that is considered a “treatment work” as defined in FWPCA section 212, currently incorporated in FWPCA Section 502 (26), must comply with the FWPCA 513, regardless of which eligibility it is funded under (*see section 603(c)*).

### **3.3 Energy initiatives**

DNER is seeking to assist all projects receiving CWSRF financing to increase project energy efficiency. The long-term goal of this effort will be to identify energy saving opportunities earlier in the planning process for new projects. By doing so, these opportunities can then be more easily incorporated into the scope of work for CWSRF financed projects. All engineering reports submitted should contain a description of increased energy efficiency features considered in the design documents. The engineering report should also include, where practicable, a present value energy savings analysis of all design alternatives considered, with energy use and cost assumptions clearly identified.

### **3.4 Disadvantaged Communities and Tribes**

The Government defines disadvantaged communities to the areas which most suffer from a combination of economic, health, and environmental burdens. These burdens include but are not limited to: low income, projected flood risk, energy cost, lack of indoor plumbing, lead paint, housing cost, proximity to hazardous waste facilities, proximity to Superfund or National Priorities List (NPL) sites, proximity to Risk Management Plan (RMP) facilities, diesel particulate matter exposure, traffic proximity and volume, underground storage tanks and releases, wastewater discharge, low median income, poverty, unemployment, and high school education.

### 3.5 Bypass Financing

The Government expects that the projects described in the FFY-2024 project list in Table 5 will proceed in the order as they are listed.

## 4 FUNDS AND FINANCING

### 4.1 Proposed Funding

Applicants whose projects are listed in the CWSRF subsidized funding are eligible for a subsidy as detailed in section 4.3. Of the \$787,652,267 less 604(b) Allotment of appropriation for the CWSRF for the FFY-2024, Puerto Rico CWSRF would receive \$10,647,000. This is reflected in this IUP.

### 4.2 SRF Funds and Repayments

The Federal Fiscal Year 2024 allocation under Title VI, as well as the corresponding Government match is as follow:

**Table 2. Federal Allocation, Government match and Green Project Reserve**

Federal Fiscal Year	Award Date	Federal Allocation	604 (b) Set Aside	Federal Allotment Less 604(b)	Government Match	Total	Green Reserve Project Amount
2024	*	\$10,755,000	\$108,000	\$10,647,000	\$2,129,400	\$12,776,400	\$1,064,700

\* To be awarded by EPA on September 30, 2024 or prior to this date.

As of April 30, 2024, \$206,213,020.53<sup>1</sup> are deposited on the Clean Water SRF Trust Account, which was created on December 2018. The projects financed with these funds are described in Table 5.

Appendix A identifies the proposed disbursement schedules for using the FFY-2024 funds. The disbursement schedules identify the anticipated amount of and the time over which Federal and Government funds will be expended from the WPCRF. Appendix B list additional information concerning the WPCRF projects identified above.

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<sup>1</sup> Although the amount available of repayment funds as of April 30, 2024 is \$206,213,020.53, only the amount of \$8,182,291 was included in this IUP since the remaining amount was considered in previous IUP's.

For the payment using the EPA Automated Clearing House, PRIFA will deposit, on or before the date of payment, an amount equal to 20% of each payment. DNER will cause PRIFA to enter binding commitments in an amount equal to 120% of each payment within one year of receipt of such payment. The binding commitment will be evidenced by a loan agreement executed by PRIFA, DNER and the qualified applicants.

The following sets out the Federal Automated Clearing House payment and Government match deposit schedule:

**Table 3. Federal automated clearing house payment and Government match deposit schedule.**

Fiscal Year	Date	Federal Payment	Government Match	Total
2024	One year after award date	\$10,647,000	\$2,129,400	\$12,776,400

The following summarizes the availability of project funding:

**Table 4. Summary of funds available because of the federal Capitalization grants. FFY-2024**

<b>I. Sources of Funds</b>			
1	Prior Year Carry Over Funds (Reprogramming of FFY-2015 & 2022 funds)	+	\$9,461,590
2	Current Year Grant (FFY-2024*)	+	\$10,647,000
3	Government Matching Share	+	\$2,129,400
4	Repayments to the SRF and Interest Earned from Loans (as of April 30, 2024) <sup>2</sup>	+	\$8,182,291
5	Other Income to the Fund	+	-
6	Total WPCRF Funds Available	=	\$30,420,281
<b>II. Uses of Funds</b>			
1	Total WPCRF Funds Available		\$30,420,281
2	4% Administrative Cost	-	\$425,880
3	Available for Projects	=	\$29,994,401

\* To be awarded by EPA on September 30, 2024 or prior to this date.

As identified in the Capitalization Grant applications, DNER intends to use 4% of the of the federal funds for administrative support. Based on WPCRF funds available in FFY-2024, DNER will use up to \$425,880 from the Title VI federal allocation for administrative support for developing, managing and operating the WPCRF program. Appendix C identifies the proposed disbursement schedules for administrative expenses. The accumulated administrative funds will be used

<sup>2</sup> The amount available of repayment funds as of April 30, 2024 is \$206,213,020.53, however only the amount of \$8,182,291 was included in this IUP since the remaining amount was considered in previous IUP's.

according to “First in-First Out” (FIFO) procedures. In case the administrative funds corresponding to FFY-2024 are not used during the current federal fiscal year, such funds will be banked to be used in future years.

### **4.3 Additional Subsidization**

The 2024 Base Additional Subsidy Provisions establishes that two distinct and additive subsidy authorities are included in the base 2024 capitalization grant.

- a. **Congressional Additional Subsidy Authority:** Under this authority, states may provide this subsidy to any CWSRF eligible recipient. States must use 10 percent of the funds made available in the base 2024 CWSRF capitalization grant to provide additional subsidization to eligible recipients in the form of forgiveness of principal, negative interest loans, or grants (or any combination of these) to be used where such funds are provided as initial financing for an eligible recipient or to buy, refinance, or restructure the debt obligations of eligible recipients only where such debt was incurred after December 29, 2022.
- b. **Clean Water Act Additional Subsidy Authority:** As amended by the Bipartisan Infrastructure Law (BIL) (Pub. L. 117-58), the CWA mandates that states use at least 10 percent but no more than 30 percent of the capitalization grant amount to provide additional subsidy to the following:
  - Any municipalities that meet the state’s affordability criteria
  - Municipalities that do not meet the state’s affordability criteria but seek additional subsidization to benefit individual ratepayers in the residential user rate class; or
  - Entities that implement a process, material, technique, or technology that addresses water or energy efficiency goals; mitigates stormwater runoff; or encourages sustainable project planning, design, and construction.

Additional subsidy provided from this authority may be in the form of forgiveness of principal, grants, negative interest loans, other loan forgiveness, and through buying, refinancing, or restructuring debt. It is DNER intention to offer the maximum amount of \$3,194,100 allowable.

#### 4.4 WRRDA Affordability Criteria

The Water Resource Reform and Development Act of 2014 required that states develop affordability criteria by September 30, 2015. These criteria are required, by statute, to evaluate applicants based on the following metrics: (1) Income, (2) Unemployment, (3) Population trend, and (4) Any other metric that the state or CWSRF program feels is relevant. The following criteria have been developed for Puerto Rico’s CWSRF program. The scoring system will be used to rank applicants based on the service area of the individual project, and will be used when allocating additional subsidy. All data used in developing these criteria came from the U.S. Census or the U.S. Department of Labor statistics.

<b>POPULATION</b>	
Total Population served by project efforts	
• Service Area Population less than 200,000	50
• Service Area population less than 500,000	30
• Service Area population is 500,000 or greater	0
<b>UNEMPLOYMENT</b>	
<b>Comparison of service area unemployment<sup>3</sup> to Government average</b>	
• Service Area Unemployment >12.5%	20
• Service Area Unemployment >10%	10
• Service Area Unemployment rate <	0
<b>INCOME</b>	
User Fees in Service Area as Percentage of Median Household Income (household sewer rate/area MHI)	
• Rates are more than 2% of the service area MHI	20
• Rates are between 1% and 2% of the service area MHI	10
• Rates are less than 1% of the service area MHI	0
<b>POPULATION TREND</b>	
<b>Population trend of municipality or service area between 2000 and 2010</b>	
• Service area has experienced population loss	10
• Service area has experienced population growth	0

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<sup>3</sup> If unemployment data is unavailable for the precise service area, use a county or municipality as an approximation of local rates as compared to the island-wide average.

#### **4.5 Bypass Financing**

DNER has included subsidy lines in this IUP to identify which projects will likely receive CWSRF subsidized funding. Historically, not all applicants with projects above the subsidy line proceed with their projects. DNER will “bypass” these funds to other projects within the same category and some applicants with projects below the subsidy lines may become eligible for CWSRF subsidized funding. DNER will bypass funds to communities with projects listed below the subsidy line. It is not possible to determine which communities will be reachable for subsidized financing through the bypass process at this time. As such, communities with projects below the subsidy line may wish to consider taking advantage of the SRF Guarantees.

The Government expects that the projects described in the FFY-2024 project list in Table 5 will proceed in the order as they are listed. The total amount of the Table 5 exceeds the summary of funds available of the federal capitalization grants of FFY-2024. This, if any of those projects do not proceed.

#### **4.6 Waivers**

DNER needs to comply with a minimum of 10% designated to eligible Green Project Reserve (GPR) projects. However, if at any time, is determined that it cannot meet the 10% GPR requirement, DNER may request a waiver from EPA. EPA will review these requests on a case-by-case basis. EPA will use sample actions as a guide when deciding whether to approve or disapprove a State’s request for a waiver from GPR. If EPA approves a State’s request for relief from the GPR requirement, then the portion of the GPR for which there are no qualified applications can be used for other conventional, eligible projects. If EPA does not approve a State’s request, then the State must continue trying to solicit projects.

However, the DNER agrees to make a timely and concerted solicitation for projects that address green infrastructure, water or energy efficiency improvements or other environmentally innovative activities. The DNER agrees to include in its IUP such qualified projects or components of projects that total not less than 10% of its capitalization grant. If the 10% is not reached, the DNER agrees to conduct additional solicitation, to amend its project list in order to include any such qualified projects thus identified and be able to provide not less than 10% of the FFY-2024 funds available. If there are not sufficient qualified projects or components on the amended project list after such

additional solicitation, the DNER may if necessary submit a waiver request to EPA in accordance with the FFY-2024 Procedures.

## 5 LISTING OF WATER POLLUTION CONTROL REVOLVING FUND PROJECTS

DNER shall include a list of eligible projects for receiving funds from the FFY-2024 appropriations and repayment funds under the WPCRF Program. The following is a preliminary list of WPCRF projects that are being considered for funding. This list will be revised and updated in the final IUP:

**Table 5. CWSRF Project Funding**

PROJECT NAME	PROJECT TYPE	PROJECT ELIGIBLE COST	FUNDING AMOUNT	GPR	PRIORITY LIST RANKING
<b>Federal Fiscal Year 2024 Funds</b>					
Sector El Nueve SSS – Aibonito (C-72-107-02) NPDES No. PR0025461	Design & Construction	\$14,510,523	\$3,985,331**	Energy Efficiency \$2,186,403	32
Boulevard Monroig TS – Toa Baja (C-72-137-01) NPDES No. PR0023728	Design & Construction	\$1,763,128	\$1,763,128		55
Villa Rica TS – Bayamón (C-72-021-02) NPDES No. PR0023728	Design & Construction	\$2,729,505	\$2,729,505		67
La Puntilla TS – Arecibo (C-72-087-11) NPDES No. PR0023710	Design & Construction	\$15,764,703	\$9,600,000	–	100
Septic Truck Procurement for Waste Management – Isabela (C-72-073-01) NPDES No. PR0022250	Compliance	\$429,152	\$429,152*		121
Septic Truck Procurement for Waste Management – Toa Alta (C-72-135-11) NPDES No. PR0020869	Compliance	\$578,545	\$578,545*		122
Los Dominicos TS – Bayamón (C-72-103-27) NPDES No. PR0023728	Design & Construction	\$1,873,030	\$1,873,030		127
<b>Total</b>			<b>\$20,958,691</b>		
* To be provided as additional subsidization in the form of principal forgiveness and 0% interest.					
** Partially to be provided as additional subsidization in the form of principal forgiveness and 0% interest (\$2,186,403) and the remaining amount (\$1,798,928) in the form of a loan.					

The following table details the project that are intended to be financed with reprogrammed funds corresponding to FFY-2015.

**Table 6. CWSRF Project Funding for FFY-2015 Reprogrammed Funds**

PROJECT NAME	PROJECT TYPE	PROJECT ELIGIBLE COST	FUNDING AMOUNT	GPR	PRIORITY LIST RANKING
<b>Federal Fiscal Year 2015 Reprogrammed Funds</b>					
Buena Vista Community & Sector San Ciprián – San Juan (C-72-096-45) NPDES No. PR0021555	Design & Construction	\$40,000,000	\$9,117,690*	–	114
<b>Total</b>			<b>\$9,117,690</b>		
* To be provided as additional subsidization in the form of principal forgiveness and 0% interest.					

The following table details the project that are intended to be financed with reprogrammed funds corresponding to FFY-2022.



**Table 7. CWSRF Project Funding for FFY-2022 Reprogrammed Funds**

PROJECT NAME	PROJECT TYPE	PROJECT ELIGIBLE COST	FUNDING AMOUNT	GPR	PRIORITY LIST RANKING
<b>Federal Fiscal Year 2022 Reprogrammed Funds</b>					
Israel & Bitumul SSS & Storw Sewer System – San Juan (C-72-096-43) NPDES No. PR21555	Design & Construction	\$75,000,000	\$343,900*	–	8
<b>Total</b>			<b>\$343,900</b>		

The WPCRF project list may include NPS projects and activities once the Government’s NPS Assessment and Management Program is approved and the Priority System is revised to include such projects and activities. The binding commitments for the projects included in Table 5 & 6 are expected to be executed by September 30, 2025.

## **6 CRITERIA AND METHODS OF DISTRIBUTION OF FUNDS**

On April 21, 2010, new requirements were established regarding the provisions related to GPR and Grants Policy Issuance (GPI) 11-01 – Managing unliquidated obligations and Ensuring Progress under EPA Assistance Agreements. In order to comply with the new requirements set forth in these provisions, DNER developed a new Priority Ranking System for CWSRF that allows eligible projects to receive funding of the GPR, additions subsidies and gives priority to those projects that are ahead in the planning and design stages. This Priority Ranking System and Project Priority List provide an order of ranking wastewater facilities projects considering ten (10) criteria with its corresponding sub-divisions:

- Project Needs
- Planning
- Critical health problems
- Regionalization/Decentralization
- Compliance and Enforcement (Facilities Under Court Order)
- Water Quality
- Financial Need
- Estuary Management
- Green and/or Sustainable Infrastructure
- Tie breaking

In addition, the following factors were taken into consideration to fund projects:

- request to be by-passed for funding considerations;

- non-compliance of projects with the enforceable requirements of the Act;
- delays of high priority projects because of non-completion of preceding step and funding of lower priority projects if ready for funding.

Similarly, lower priority projects considered to be an essential part of an eligible project may be selected and by pass projects with a higher priority. DNER will submit shortly the final Priority List in conjunction with the signed Resolution from the Board.

Due to time constraints in the availability and duration of funds, the projects included in this IUP are the ones ahead in the design. DNER will keep continuous communication and coordination with EPA regarding any changes to the use of FFY-2024 funds, if necessary.

## **7 PUBLIC PARTICIPATION**

For this IUP, a public participation process will be undertaken in accordance with 40 CFR 35.3150. A public hearing will be scheduled to review DNER's Project Priority List and receive comments on the same. After the new hearing takes place, summaries of the public participation process will be prepared and made public available. DNER expects to review all the comments regarding the public hearing by September 2024. After that, the Board will sign a resolution with the final comments and will be provided to EPA for its approval along with the new Priority System.

## **8 ASSURANCES AND SPECIFIC PROPOSALS**

DNER provides the necessary assurances and certifications as part of the Operating Agreement. This Agreement is the official operating agreement between DNER acting on behalf of the Government and EPA.

## **9 REPORTING**

### **9.1 Annual Report**

Section 606(d) requires that beginning the first year after receiving payments under the WPCRF, DNER shall provide an Annual Report to EPA. The Annual Report shall be submitted to EPA within ninety (90) days after the end of the fiscal year covered by the IUP. This report shall identify loan recipients, loan amounts and terms under Title VI of the Act and its implementing regulations and other such information as EPA may require.

## 9.2 Clean Water Benefits Reporting System

In order to comply with the reporting requirements, information will be entered into the Clean Water Benefits Reporting system (CBR) no less often than quarterly and will include the use of funds for the GPR and additional subsidization as well as project benefits. This information will also be included in the Annual Report to EPA.

## 10 APPENDICES

### 10.1 Appendix A

To be submitted shortly

### 10.2 Appendix B

To be submitted shortly

### 10.3 Appendix C

<b>PROPOSED DISBURSEMENT SCHEDULE OF FEDERAL AND STATE FUNDS FOR ADMINISTRATIVE EXPENSES (FFY-2024)</b>				
<b>Disbursement by Quarters (FY-2024)</b>		<b>Federal (83.3333333%)</b>	<b>State (16.6666667%)</b>	<b>Amount</b>
Fiscal Year	Quarter			
2023	4	\$88,725	\$17,745	\$106,470
2024	1	\$88,725	\$17,745	\$106,470
2024	2	\$88,725	\$17,745	\$106,470
2024	3	\$88,725	\$17,745	\$106,470
<b>SUBTOTAL</b>		<b>\$354,900</b>	<b>\$70,980</b>	<b>\$425,880</b>

## 10.4 Appendix D

<p><b>Israel &amp; Bitumul SSS &amp; Stormwater Sewer System – San Juan (C-72-096-43)</b></p>
<p>The Infrastructure Improvements for the North Part of the Israel-Bitumul Communities at the Caño Martín Peña project will combine the elements of the MSJ, ENLACE, and PRASA projects. The project area has a population of approximately 1,000 people and includes 468 residential units in an area of 0.21 sq km. This project will benefit the eight communities around the CPM (G8), with a population of approximately 14,252 persons and 7,847 residential units and is the first step for the CPM dredging. According to the 2010 United States Census this community has about four hundred fifty-one (451) housing units. The MSJ project includes the improvements to a new storm sewer system including the installation of new sewer pipes, culverts, water quality units and controlled discharges to the Caño Martín Peña. The proposed work includes a new storm sewer system which will be constructed in the right-of-way of the existing streets. Catch basins, manholes, sewer pipes, and four new outfalls will be installed, and two existing outfalls will be used. The project includes the installation of approximately 3,561 linear meters of storm sewer varying in diameter from 24 inches to 42 inches. The new outfalls will consist of four (4) shallow box culverts that will discharge to the Caño Martín Peña and/or Quebrada Juan Méndez. Before each discharge, a by-pass unit with an oil/sediment separator will be provided. The existing box culvert (Existing Outfall No. 2) that runs along Street F will not be disturbed and no additional connections will be made. The existing 52” diameter pipe (Existing Outfall No. 1) near the Barbosa Avenue Bridge that will be used will be unclogged and cleaned by a vacuum system. Complete demolition and disposal of the existing storm sewer system where the new storm sewer system will be constructed is included. Only some areas, will be maintained in operation, unclogged and cleaned.</p> <p>ENLACE project includes the Paseo del Caño Sur (PASEO SUR STREET) including new potable, sanitary, storm drainage and electrical infrastructure along the PASEO SUR STREET. Corridor runs through segments of Francia Street and will connect with Texidor Street in Bitumul community and with Barbosa Avenue in Israel community. The PRASA project includes a new sanitary sewer system including installation of new sewer pipes and a trunk sewer which will separate all discharges from existing storm sewers. The conceptual design of future sanitary sewer system is intended to connect about one hundred eighty-one (181) housing units to the new sanitary sewer collectors on Paseo del Sur project and into the existing San Jose sanitary sewer trunk line. The existing San Jose sanitary sewer trunk line has a pipe diameter of sixty-six (66) inches and collects wastewater from Barrio Obrero, Isla Verde, Hato Rey, Santurce and Trujillo Alto. These wastewaters are discharged into the sanitary PAS Puerto Nuevo. The system-1 will connect about forty-seven (47) housing units discharging into new structure manhole S-12 of the Paseo del Caño Sur project. The design flow is 0.358 MGD discharging into a three hundred and six (306) linear meter sanitary sewer pipeline. The diameter of those sub collectors is eight (8) inches PVC material. The system-2 will connect about twenty-seven (27) housing units discharging into existing structure manhole EX-SMF (F-33) of existing 66” diameter San Jose sanitary trunk sewer line. The design flow is 0.206 MGD discharging into a one hundred eighty-seven (187) linear meter sanitary sewer pipeline. The diameter of those sub collectors is eight (8) inches PVC material. The system-3 will connect about sixty-nine (69) housing units discharging into new structure drop manhole D-15 of the Paseo del Caño Sur project. The design flow is 0.567 MGD discharging into a six hundred and eleven (611) linear meter sanitary sewer pipeline. The diameter of those sub collectors is eight (8) inches PVC material. The system-4 will connect about nineteen (19) housing units discharging into new structure drop manhole D-18 of the Paseo del Caño Sur project. The design flow is 0.145 MGD discharging into a one hundred ninety-six (196) linear meter sanitary sewer pipeline. The diameter of those sub collectors is eight (8) inches PVC material. The system-5 will connect about eighteen (18) housing units discharging into new structure manhole S-8 of the Paseo del Caño Sur project. The design flow is 0.067 MGD discharging into a seventy-eight (78) linear meter sanitary sewer pipeline. The diameter of those sub collectors is eight (8) inches PVC material.</p>
<p><b>Sector El Nueve SSS – Aibonito (C-72-107-02)</b></p>
<p>The Barrio Asomante sector does not have a sanitary sewer system. The construction of a sanitary collection system is proposed, which will provide collection service to 350 families identified in the sector. The project includes a power line to transport the load of sewage and discharge it to the treatment plant closest to the project.</p>
<p><b>Boulevard Monroig TS – Toa Baja (C-72-137-01)</b></p>
<p>The project consists of the installation of approximately 306 linear meters of a 12-inch diameter pipe on Boulevard Monroig Ave. to redirect flow to the 21-inch trunk sewer pipe on Boulevard Avenue, installation of sanitary manholes and the filling and abandonment of the existing 8-inch pipe. The project will benefit approximately 218 families in the Municipality of Toa Baja.</p>
<p><b>Villa Rica TS – Bayamón (C-72-021-02)</b></p>
<p>PRASA proposes the rehabilitation of a section of the sanitary sewer system in the Villa Rica community. The proposed project includes the gravity trunk sewer rehabilitation, not limited to sanitary manhole location, inspection, assessment, sewer flow control or bypass, sewer cleaning and disposal, CCTV inspection, point repair procedures, sewer pipe rehabilitation using trenchless pipe-lining technology, sanitary manhole rehabilitation, restitution or relocation of sanitary connections, as needed. This project will benefit approximately 4,312 families in the Municipality of Bayamón.</p>

<b>La Puntilla TS – Arecibo (C-72-087-11)</b>
<p>This project consists in the rehabilitation of La Puntilla Sanitary Trunk Sewer located in the municipality of Arecibo. This trunk sewer crosses under the Río Grande de Arecibo and conveys raw sewage to the Arecibo Wastewater Treatment Plant. The project contemplates the design and construction for the replacement of sanitary manhole MH-3 and the replacement of approximately 110 meters of the 42-inch diameter reinforced concrete pipe (RCP) extending from MH-2A to the new MH-3. Among other tasks the project includes the installation of an 84-inch manhole and 42-inch RCP Class IV with interior PVC liner pipe and the demolition and removal of existing 42-inch diameter pipe to be replaced.</p>
<b>Buena Vista Community Storm Sewer Control – San Juan (C-72-096-48)</b>
<p>This project will address the Buena Vista Santurce Community Infrastructure as a part of the CMP District Plan and the Comprehensive Infrastructure Master Plan. These improvements include the complete management of potable water system, sanitary sewer system, and the stormwater system in the same project. The project area has a population of approximately 1,431 persons and includes 908 residential units in an area of 0.25 sq km (62 acres). This project will benefit the eight communities around the CPM (G8), with a population of approximately 14,252 persons and 7,847 residential units and is a critical path for the CPM dredging regarding the raw sewage elimination. According to the 2020 United States Census this community has about 1,431 persons. The proposed project includes the improvement of roads, storm sewer system, potable distribution system, sanitary system, and electrical infrastructure within the Buena Vista Community, as well as the Paseo del Caño Norte and improvements on the storm drainage on the north to the community in the Borinquen and Rexach avenue. The proposed Paseo del Caño Norte (PCN) has an approximate length of 988 m. It is an infrastructure corridor, running parallel to the Caño Martín Peña, for potable water, storm sewer, sanitary sewer system and soil improvements (surcharge). The PCN is composed of two major sections: the vehicular roadway, sidewalks, and planting areas, as well as an elevated berm that will serve as a pedestrian and bicycle lane, which provides the opportunity for recreational activities and the connectivity between green open areas of varying sizes. In addition to the installation of new infrastructure systems, which will significantly reduce the flooding in the area, the elevated PCN is planned as a levee, which will be 6 ft higher than the mean sea level, in order to prevent and surpass over the flooding due to sea rise that is expected to occur in the coming years. The proposed Antonio de Asís Street has a length of 480 m, and includes pavement, sidewalk, roads, parking area, bike lane, green area, potable water, storm sewer, sanitary sewer systems, electrical power distribution, telecommunications and street lighting. The proposed storm sewer system within Buena Vista Community includes gravity pipes, manholes and inlets up to the discharge points and four (4) SSPS with outfalls at the Paseo del Caño Norte area. In the Rexach and Borinquen area is proposed a new storm sewer gravity collector (box culvert) system at the future Rexach Avenue ROW and at the existing Borinquen Avenue ROW. New improvements (pumps replacement) are proposed in the existing Rexach SSPS. And as part of the green infrastructure strategies as retention/detention pond at Albert Einstein School will be included as part of the SSPS Alternatives. As part of the Water Distribution System within Buena Vista Community, a new system will be connected to the existing 12" Ø along Barbosa Avenue and 6" Ø at the Rexach Avenue. New water distribution system will include house connections, installation and/or replacement of the water meters, pressure pipes, and valves. Additionally, installation and/or replacement of fire hydrants is included. As part of the Sanitary Sewer System within Buena Vista Community, is proposed a new sanitary sewer system including house service connection, gravity pipes, and manholes up to the sanitary trunk sewer within Buena Vista Community and Rexach Avenue. Also is proposed a collector sewer pipe along the Paseo del Caño Norte up to the existing Rexach 48"-diameter trunk sewer in Barrio Obrero Marina. To address the combined discharges from El Nene y San Ciprián Sector a gravity pipe and manholes located along the Rexach Ave. will intercept the combined sewer from the back of the houses and will be connected to the Rexach trunk sewer. No new house connections will be provided since this area will be reconfigured by ENLACE in the future with realigned streets and different house configuration. At this time, it will be very difficult to provide service connections, since the houses have connections at the back of the lots with practically no space to redirect toward the front. This project requires a total of 192 properties acquisition and families relocation within the project area divided in five right of way areas. The acquisition and relocation process is in charge of ENLACE in compliance with Law 489 and the Uniform Relocation Act and ENLACE's regulations. The proposed acquisition and relocation and demolition of structures for ROW of this project will be funded by ENLACE's local funds, the American Rescue Plan (ARPA) (allocated in the Coronavirus State Fiscal Recovery Fund (CSFRF)), and by the Clean Water State Revolving Fund (CWSRF).</p>
<b>Septic Truck Procurement for Waste Management – Isabela (C-72-073-01)</b>
<p>The project consists of the purchase of two tanker trucks for cleaning septic wells in the Municipality. Each truck will have a 2,500-gallon storage tank and a vacuum system.</p>
<b>Septic Truck Procurement for Waste Management – Toa Alta (C-72-135-11)</b>
<p>The Municipality of Toa Alta needs to acquire a 10-yard, 1,000-gallon rainwater maintenance truck. With this team, the municipality seeks to prevent health risks, reduce and prevent environmental pollution and improve the health levels of the municipality.</p>
<b>Los Dominicos TS – Bayamón (C-72-103-27)</b>
<p>PRASA proposes a Design and Build Project to replace the 8-inch diameter sanitary sewer pipeline with multiple collapses segments located in the Santo Domingo Street, the San Agustín Street and the San Mateo Street in the Los Dominicos neighborhood. The sanitary sewer is collapsed in two different sections. It will be necessary new 12-inch diameter piping, a new transition manhole for the force-line and sanitary sewer connections for 3 houses, 1 school and 1 auto parts store. Another 8-inch diameter trunk sewer segment must also be replaced with a new 12-inch diameter trunk sewer. This project will benefit approximately 210 families in the Municipality of Bayamón.</p>



**Overflow Sewer and Stormwater Reuse Municipal Grant (OSG) Program Workplan  
Puerto Rico Department of Natural Environmental Resources  
FFY 2023 Allotment**

**Purpose:** The America's Water Infrastructure Act of 2018 and the Infrastructure Investment and Jobs Act amended section 221 of the Clean Water Act (CWA) to reauthorize the Sewer Overflow and Stormwater Reuse Municipal Grants Program. The OSG program is intended to address local governments' infrastructure needs for combined sewer overflows (CSO), sanitary sewer overflows (SSO), and stormwater management. The Department of Natural Environmental Resources (DNER) will use the granted funds to make subgrants to eligible municipal entities for eligible projects.

**Statutory Authority:** Sec 221 Clean Water Act (33 USC 1301).

Amended by:

- Infrastructure Investment and Jobs Act of 2021, P.L. 117-58, Section 50204,
- America's Water Infrastructure Act of 2018, P.L. 115-270, Section 4106,

**EPA Strategic Plan:** This workplan and grant application support EPA's Strategic Plan under Goal 5 - Ensure Clean and Safe Water for All Communities, and Objective 5.1 - Ensure Safe Drinking Water and Reliable Water Infrastructure.

**CFDA#:** 66.447

**OSG Grant Amount:** DNER's application is for:

- \$19,000.00 from the FFY2023 allocation
- \$19,000.00 total amount of application

**Cost Share:** EPA's OSG Implementation Document dated March 2021 requires a non-Federal 20 percent cost share, unless rural or financially distressed communities are funded as detailed in EPA's OSG Memo dated Nov 2022. This is calculated by setting the Federal grant portion as 80% cost share of the project activities, which leaves the remaining 20% of the project activities to come from non-Federal sources (\$4,750.00).

DNER plans to meet this requirement through State Appropriations totaling \$4,750.00.

**Administrative Costs:** DNER does not plan to use any of the OSG allotment/award for administrative costs.

**Project and Budget Period:** 10/1/2024 – 9/30/2029

**Prioritization for Project Sections:**

DNER prioritized the projects for OSG subgrants by selecting projects in municipal entities that are either:

- On the CWSRF Intended Use Plan, and/or

- A Disadvantaged Community as defined by the state: Disadvantaged communities refer to the areas which most suffer from a combination of economic, health, and environmental burdens. These burdens include but are not limited to: low income, projected flood risk, energy cost, lack of indoor plumbing, lead paint, housing cost, proximity to hazardous waste facilities, proximity to Superfund or National Priorities List (NPL) sites, proximity to Risk Management Plan (RMP) facilities, diesel particulate matter exposure, traffic proximity and volume, underground storage tanks and releases, wastewater discharge, low median income, poverty, unemployment, and high school education.
- Implementing a Long-Term Control Plan for CSOs or SSOs,

### **Minimum Allocation Requirements for Project Sections:**

According to CWA section 221(f)(2)(A), at least 20 percent of a state's Federal grant must go towards projects that use green infrastructure, water and energy efficiency improvements, or other environmentally innovative activities.

Also, according to CWA section 221(f)(2)(B), at least 25 percent of a state's Federal grant must go to carry out projects in rural communities (pop. 10,000 or less) or financially distressed communities. Of this 25 percent set aside for these communities, at least 60 percent of this set aside (or 15% of the Federal grant) must go to carry out projects in rural communities. If sufficient eligible projects are not available to fund rural or financially distressed communities, the state must provide documentation explaining why their project solicitation process did not result in any applications for these communities. EPA may not accept the application if section 221(f)(2)(B) is not met.

DNER will set aside the following amounts to meet the minimum allocation requirements for subgrants:

Green Projects Types: Green Infrastructure Stormwater Solution

Green Projects Amounts: \$23,750.00 (100% of Federal Grant)

Financially Distressed Community Amount: \$23,750.00 (100% of Federal grant)

### **Environmental Outputs and Outcomes - Subgrants**

- State Tracking Number: C-72-093-23
- Subgrant Amount: \$19,000.00
- Estimated Subgrant Award Date: 09/27/2024
- Estimated Project Start Date: 04/01/2024
- Estimated Project End Date: 04/30/2025
- Subgrantee: Municipality of Ponce
- Subgrantee Address: P.O. Box 1709  
Ponce, Puerto Rico 00733-1709
- Environmental Output: Stormwater Best Management Practices constructed.
- Environmental Outcome: This project will improve the management of stormwater in the Puerto Viejo Community at Municipality of Ponce.
- Prioritization: This project attends compliance with MS4.



- Project Title: Stormwater Improvements at Puerto Viejo Community
- Project Description: For many years the Puerto Viejo Community has suffered the effects of flooding due to the volume of water runoff that has been produced by the passage of different atmospheric events, in addition to the deficiency of stormwater discharge systems in the sector. The sanitary sewer system usually overflows, causing contamination to the residents of the area and to the receiving body of water. The first phase of the project consists of the acquisition of two mobile units to carry out inspections of the storm sewer system, including manholes, pipes, haulage costs and management of storm drains. The 2023 OSG allocation funds will complement previous funds assigned to the project.

### **Environmental Outputs and Outcomes – Cost Share Projects with CWSRF Loans**

- Cost-share Projects: \$145,200.00 from 2023 FFY SRF-BIL IUP  
\$828,750.00 from 2021&2022 OSG Workplan & IUP

**Overflow Sewer and Stormwater Reuse Municipal Grant (OSG) Program Workplan  
Puerto Rico Department of Natural Environmental Resources  
FFY 2024 Allotment**

**Purpose:** The America's Water Infrastructure Act of 2018 and the Infrastructure Investment and Jobs Act amended section 221 of the Clean Water Act (CWA) to reauthorize the Sewer Overflow and Stormwater Reuse Municipal Grants Program. The OSG program is intended to address local governments' infrastructure needs for combined sewer overflows (CSO), sanitary sewer overflows (SSO), and stormwater management. The Department of Natural Environmental Resources (DNER) will use the granted funds to make subgrants to eligible municipal entities for eligible projects.

**Statutory Authority:** Sec 221 Clean Water Act (33 USC 1301).

Amended by:

- Infrastructure Investment and Jobs Act of 2021, P.L. 117-58, Section 50204,
- America's Water Infrastructure Act of 2018, P.L. 115-270, Section 4106,

**EPA Strategic Plan:** This workplan and grant application support EPA's Strategic Plan under Goal 5 - Ensure Clean and Safe Water for All Communities, and Objective 5.1 - Ensure Safe Drinking Water and Reliable Water Infrastructure.

**CFDA#:** 66.447

**OSG Grant Amount:** DNER's application is for:

- \$289,000.00 from the FFY2024 allocation
- \$289,000.00 total amount of application

**Cost Share:** EPA's OSG Implementation Document dated March 2021 requires a non-Federal 20 percent cost share, unless rural or financially distressed communities are funded as detailed in EPA's OSG Memo dated Nov 2022. This is calculated by setting the Federal grant portion as 80% cost share of the project activities, which leaves the remaining 20% of the project activities to come from non-Federal sources (\$72,250.00).

DNER plans to meet this requirement through State Appropriations totaling \$72,250.00.

**Administrative Costs:** DNER does not plan to use any of the OSG allotment/award for administrative costs.

**Project and Budget Period:** 10/1/2024 – 9/30/2029

**Prioritization for Project Sections:**

DNER prioritized the projects for OSG subgrants by selecting projects in municipal entities that are either:

- On the CWSRF Intended Use Plan, and/or

- A Disadvantaged Community as defined by the state: Disadvantaged communities refer to the areas which most suffer from a combination of economic, health, and environmental burdens. These burdens include but are not limited to: low income, projected flood risk, energy cost, lack of indoor plumbing, lead paint, housing cost, proximity to hazardous waste facilities, proximity to Superfund or National Priorities List (NPL) sites, proximity to Risk Management Plan (RMP) facilities, diesel particulate matter exposure, traffic proximity and volume, underground storage tanks and releases, wastewater discharge, low median income, poverty, unemployment, and high school education.
- Implementing a Long-Term Control Plan for CSOs or SSOs,

### **Minimum Allocation Requirements for Project Sections:**

According to CWA section 221(f)(2)(A), at least 20 percent of a state's Federal grant must go towards projects that use green infrastructure, water and energy efficiency improvements, or other environmentally innovative activities.

Also, according to CWA section 221(f)(2)(B), at least 25 percent of a state's Federal grant must go to carry out projects in rural communities (pop. 10,000 or less) or financially distressed communities. Of this 25 percent set aside for these communities, at least 60 percent of this set aside (or 15% of the Federal grant) must go to carry out projects in rural communities. If sufficient eligible projects are not available to fund rural or financially distressed communities, the state must provide documentation explaining why their project solicitation process did not result in any applications for these communities. EPA may not accept the application if section 221(f)(2)(B) is not met.

DNER will set aside the following amounts to meet the minimum allocation requirements for subgrants:

Green Projects Types: Green Infrastructure Stormwater Solution

Green Projects Amounts: \$289,000.00 (100% of Federal Grant)

Financially Distressed Community Amount: \$289,000.00 (100% of Federal grant)

### **Environmental Outputs and Outcomes - Subgrants**

- State Tracking Number: C-72-127-09
- Subgrant Amount: \$289,000.00
- Estimated Subgrant Award Date: 09/27/2024
- Estimated Project Start Date: 04/01/2024
- Estimated Project End Date: 04/30/2025
- Subgrantee: Municipality of Camuy  
Subgrantee Address: P.O. Box 539  
Camuy, Puerto Rico 00627
- Environmental Output: Stormwater Best Management Practices constructed.
- Environmental Outcome: This project will improve the management of stormwater in the urban area of Camuy and will reuse water for irrigation purposes.
- Prioritization: This project attends compliance with MS4.

- Project Title: Urban Area Stormwater System at Municipality of Camuy
- Project Description: The project consists in the evaluation, redesign, extension and renewal of existing storm water system. These improvements may include new pipelines, structures, catch basins, dams, swales, ponds, and drainage to improve design capability and contribute complying with local, state and federal water quality standards. Preliminary the municipality has evaluated the improvement of the “master ditch” which discharges into the Río Camuy to reduce the download speed and increase the capability of the storm water runoff in mayor events. These improvements may be made with natural barriers or other speed control methods. In addition, expanding the existing retention pond in the recreational park Jose Méndez Franqui is contemplated to receive part of the runoff water and eventually download on the master ditch and in the Río Camuy. As another possible alternative, and after assessing the hydrological study (if is required), building a new retention pond north of Recreational Park is proposed. This pond will serve as an extension area of the recreation park. It also intends to use this water for the irrigation of the baseball field and different green areas nearby. This concept has been described and detailed in various plans of the Municipality of Camuy, including the Municipal Multi-Risk Mitigation Plan. The second phase has a partial stormwater system which does not have the capacity to control the flow discharged in the catchment area. This causes an infiltration in the wastewater system and the flow and pollutants reach the Camuy River. This phase will provide the alternative to control of pollutants, re-design of wastewater and stormwater system.

### **Environmental Outputs and Outcomes – Cost Share Projects with CWSRF Loans**

- Cost-share Projects: \$1,834,680.00 from FFY-2015 SRF-Base Program IUP  
\$2,680,371.00 from FFY-2022 SRF-Base Program IUP  
\$750,000.00 from FFY 2020-2021 OSG Program Workplan