



NOTE:
 This waiver submission may include references to proprietary items and brand name products. These references have been retained in order to provide context for the waiver submission. EPA does not evaluate a waiver based on a proprietary item but reviews the performance-based specifications for the project/products. As such, any references to brand or proprietary items are reviewed on an "or equal" basis by EPA.

Items and pages may have been intentionally redacted or excluded by the EPA. Contact CWSRFWaiver@epa.gov for more information if necessary.

May 23, 2024

RE: Request for Waiver for Non-AIS Component in the City of Palo Alto Regional Water Quality Control Plant Secondary Treatment Upgrades Project



Project: **City of Palo Alto Regional Water Quality Control Plant Secondary Treatment Upgrades Project**
 Identification #: **8609-110**

██████████ is the supplier responsible for the below listed products for this project.
 ██████████ is requesting an AIS waiver for the products listed below required on the City of Palo Alto Regional Water Quality Control Plant Secondary Treatment Upgrades Project:

Spec. #	Qty	Size	Product Description	Non-AIS Mfg. - Delivery
40 05 61.91	4	6"	Knife Gate Valve	4-6 weeks
40 05 61.91	11	10"	Knife Gate Valve	4-6 weeks
40 05 61.91	5	12"	Knife Gate Valve	4-6 weeks
40 05 61.91	3	16"	Knife Gate Valve	4-6 weeks
40 05 61.91	13	20"	Knife Gate Valve	4-6 weeks

██████████ has conducted a thorough online & materials network research exercise to identify possible domestic resources that produce the products to meet the project's technical provisions and with AIS certification within the models requested.

Each Manufacturer listed below was contacted by ██████████ personnel to request AIS product quotations.
 ██████████ research included the following response data:

Manufacturer	Date Contacted	Size	Product	Response	Mfg. Contacted
██████████	5/2024	6"-20"	Knife Gate Valve ██████████	AIS Lead time exceeds project schedule (20-24 weeks)	██████████ ██████████
██████████	5/2024	6"-20"	██████████	AIS Lead time exceeds project schedule (18-24 weeks)	██████████ ██████████
██████████	5/2024	6"-20"	██████████ Knife Gate Valve ██████████	Lead time exceeds project schedule (50-60 weeks)	██████████ ██████████ ██████████
██████████	5/2024	6"-20"	██████████	AIS Unavailable	██████████ ██████████ ██████████

██████████ is unable to locate a known source for these products.
 Please grant an availability-based project-specific waiver for these items.





The Water Infrastructure Finance and Innovation Act (WIFIA) program accelerates investment in our nation's water infrastructure by providing long-term, low-cost supplemental loans for regionally and nationally significant projects.

CITY OF PALO ALTO

PROJECT NAME: Regional Water Quality Control Plant Secondary Treatment Upgrades Project

LOCATION: Palo Alto, CA

INVITED WIFIA LOAN AMOUNT: \$66 million

POPULATION SERVED BY PROJECT: 221,000

PROJECT TYPE: Wastewater

PROJECT DESCRIPTION:

The Palo Alto Regional Water Quality Control Plant Secondary Treatment Upgrades Project will implement cutting-edge treatment improvements at the City's Regional Water Quality Control Plant. The project will convert the process into a three-step feed activated sludge configuration, add process intensification via installation of membrane aerated biofilm reactors to meet permit nitrogen removal targets, and decommission the fixed-film reactors. The purpose of the project is to rehabilitate aging infrastructure, reduce nutrient discharge into the San Francisco Bay, assist in regulatory compliance, and accommodate population growth while using an innovative technology resulting in energy efficiency and reduced power consumption.

FY 2020 SELECTION ROUND

NUMBER OF PROJECTS SELECTED: 55

TOTAL LOAN AMOUNT: \$5.1 billion

TOTAL WATER INFRASTRUCTURE INVESTMENT SUPPORTED: \$12.5 billion

NUMBER OF PEOPLE IMPACTED:
25 million in 20 states



Selected projects must submit an application for a WIFIA loan, pass a creditworthiness assessment, negotiate a mutually agreeable term sheet, and execute a credit agreement to receive WIFIA funding. An invitation to apply indicates that EPA believes the selected projects will be able to attain WIFIA loans.

PALO ALTO PROJECT
SCHEDULE



Start	End	3/2024	4/2024	5/2024	6/2024	7/2024	8/2024	9/2024	10/2024	11/2024	12/2024/	1/2025	2/2025	3/2025		
AREA 133 - BLOWER ROOM ALP																
VALVES	31-Mar-2023	11-Mar-2025														
AREA 137 - WAS PUMPING STATION																
VALVES	31-Mar-2023	11-Mar-2025														
AREA 142 - RAS PUMPING STATION 1																
VALVES	31-Mar-2023	23-May-2024														
AREA 144 - RAS DISTRIBUTION STATION																
VALVES	31-Mar-2023	14-Aug-2024														

40 05 61.91

KNIFE GATE VALVE, STAINLESS STEEL BONNETLESS

GENERAL

1. Line Size: 2 through 24 inches
2. Rated Limits: Pressure 150 psi; Temperature 122 °F
1. Line Size: 30 through 36 inches
2. Rated Limits: Pressure 80 psi; Temperature 122 °F

VALVE MATERIALS

1. Body: Type 316 Stainless Steel
2. Gate: Type 316 Stainless Steel
3. Packing: PTFE-impregnated synthetic fiber
4. Seat Rings: [REDACTED]
5. Stem: Type 316 Stainless Steel

VALVE CONFIGURATION

1. Valve End/Connections: Lugged, ANSI B16.1 Class 150
2. Powered Actuators:
 - a. Per Section 40 05 57.23.
3. Manual Actuators:
 - a. Per Section 40 05 57.13.
 - b. Handwheel, bonnetless; rising stem, outside screw and yoke, provide geared operators for valves 6 inches and larger, valves 4 inches and less shall have direct acting handwheels.

SUBMITTALS

1. Action Submittals:
 - a. Per Section 01 33 00 and Section 40 05 60.
2. Information Submittals:
 - a. Per Section 01 33 00 and Section 40 05 60.

CANDIDATE MANUFACTURERS

1. [REDACTED]
2. [REDACTED]
3. [REDACTED]

