

NOTE: Information in this waiver may have been redacted or removed due to issues of proprietary business information or incompatibility with Federal accessibility requirements. To request the information redacted for purposes of accessibility requirements, please email [CWSRFWaiver@epa.gov](mailto:CWSRFWaiver@epa.gov).

January 16, 2024  
Index # WP-284, LT 101  
Wards Island WRRF  
Contract WI-284  
Reg. No. 20238802753  
**AIS Availability Waiver Request**

Honorable Commissioner Rohit T Aggarwala  
NYC Department of Environmental Protection  
96-05 Horace Harding Expressway  
4th Floor, Lefrak Plaza, Corona, NY 11368-5107

Attention: Stanley Joseph, Accountable Manager

Dear Mr. Joseph,

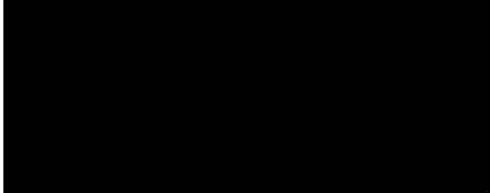
In accordance with the Environmental Facilities Corporation (EFC), we hereby request a waiver for the Stainless Steel Fittings and Nipples submitted under e-Builder submittal package 40 05 22-002-002. The said products are only available as non-domestic (not compliant with the American Iron and Steel (AIS)). Below is the information related to the waiver request:

- 1) A description of the foreign and domestic iron, steel, and/or manufactured goods;  
*½ - inch to 2 ½ - inch diameter Schedule 40(SCH40) 316 stainless-steel pipe and 150 pound (#) 316 stainless steel fittings.*
- 2) Unit of measure;  
*EA*
- 3) Quantity;  
*604 EA – [REDACTED]*  
*110 EA – [REDACTED]*
- 4) Cost;  
[REDACTED]
- 5) Time of delivery or availability;  
*2 – 4 Weeks upon release.*
- 6) Location of the project;  
*Wards Island Wastewater Treatment Plant located at 7 Wards Island, New York, NY 10035*





7) Name and address of the proposed supplier; and,



8) A detailed justification for use of foreign iron or steel products.

*██████████ is not able to procure the fittings and nipples while still complying with the AIS requirement. For reference, attached are letters from three different suppliers stating their inability to provide stainless steel fittings and nipples compliant to AIS Requirements. Due to the inability to procure AIS compliant materials, ██████████ hereby request an Availability Waiver for the stainless steel fittings.*

Due to the inability to procure AIS compliant materials ██████████ hereby request an Availability Waiver for the stainless steel fittings.

If you have any questions, do not hesitate to contact me.

Sincerely,



Project Manager

Attachment(s)

- 1) CORR-55 LT 018 AIS Availability Waiver

CC (via e-Builder)

Navan Shah, Santo Cimino, Susan Klem – NYC DEP



LT 101 AIS Waiver Request - SS Fittings



**SECTION 40 05 22 – STEEL AND STAINLESS STEEL PROCESS PIPE  
CONTRACT WI-284**

Cast stainless steel fittings can only be supplied in import raw casted material that is then machined and finished in the United States. Such castings are not produced in the United States in sufficient and reasonably availability. At this time, there is no known source within the united states that casts 150# stainless steel threaded fittings.

**J. Heavy Wall Stainless Steel Pipe and Fittings:**

1. Heavy wall stainless steel pipe and fittings shall be Type 316L stainless steel fabricated in accordance with ASTM A312/312M for nominal pipe sizes up to 12-in.
2. Wall thickness shall be Schedules 40S or 80S pipe in accordance with ANSI B36.19 and as indicated on the piping schedule in the Contract Documents.
3. Flanges:
  - a. Where flanges are shown, specified or required for connection of stainless steel pipe and fittings to pipe equipment, forged stainless steel slip-on flanges conforming to ANSI 150 pound or 300 pound standards, shall be provided as specified, welded at the hub and at the face.
  - b. Flanges, flanged fittings and flanged joints shall conform to the applicable provisions specified herein for steel flanges, flanged fittings and flanged joints, except that steel bolting shall be cadmium plated to produce a uniform appearance.
4. Fittings:
  - a. ~~For nominal pipe sizes two (2-) inches and smaller: fittings shall be of the socket welding type conforming to the dimensional requirements of ASME B16.11.~~
  - b. For nominal pipe sizes 2½-in. and larger: fittings shall be the butt-welding type conforming to the dimensional requirements of ASME B16.9.
  - c. ~~Fittings shall conform to the materials and alloy requirements of ASTM A403/A403M.~~
5. All stainless steel pipe and fittings shall be pre-cleaned, pickled and passivated after fabrication in accordance with the applicable sections of ASTM A380, except where otherwise specified.

THREADED FITTINGS  
PER ADD#1 QUESTION  
/ ANSWER #78

**K. Stainless Steel Tubing and Fittings:**

1. Tubing and fittings shall be of Type 316L stainless steel.
2. Tubing shall be seamless.
3. Tubing shall be in accordance with ASTM A269 for nominal tubing diameters less than 1½-in..
4. Wall Thickness and Service:
  - a. Tubing shall be as specified in Table 40 05 22-5:

THREADED FITTINGS  
PER ADD#1 QUESTION /  
ANSWER #78

SECTION 40 06 01 – SCHEDULE FOR EXPOSED PIPING  
CONTRACT WI-284

SCHEDULE 40 06 01-1  
SCHEDULE FOR EXPOSED PIPING

Service Name	Material	Wall Thickness/ Schedule/ Class	Type of Joint	Working Pressure (psig)	Test Type	Test Pressure (psig)	Interior Coating	Exterior Coatings, Treatments	Remarks
C	CS	Sch. 40	Wld	25	Hyd	50	--	I	
CA	SS	Sch. 40	<del>Wld</del> Thd	125	Hyd	150	--	--	
CLW	C	Type K	Thd/Brz	80	Hyd	125	--	--	
CW	CS	Sch. 40	Wld/Flg	-	Hyd	-	--	P, I	For pipe ≥ 4-in.
CW	C	Type K	Thd/Brz	80	Hyd	125	--	--	For pipe < 4-in.
D	--	--	--	--	Hyd	--	--		
FW	CS	Sch. 40	Flg	120	Hyd	180	--	P	
PW (4 in. and larger)	CS	Sch. 40	Flg	120	Hyd	180	--	P, I	
PW (3 in. and smaller)	CS	Sch. 40	Thd	120	Hyd	180	--	Galv, I	
SL	DI	Class 56	Flg	40	Hyd	80	CEL	P	
SLW	C	Type K	Sld	120	Hyd	180	--	--	
SCD	DI	Class 54	Flg	15	Hyd	25	CEL	P	
SMP	DI	Class 54	Flg	40	Hyd	80	CEL	P	
ST	CS	Sch. 40	Wld	70	Hyd	125	--	P, I	
SW (4 in. and larger)	CS	Sch. 40	Flg	85	Hyd	130	--	P, I	
SW (3 in. and smaller)	CS	Sch. 40	Thd	85	Hyd	130	--	Galv, I	

**SECTION 40 06 01 – SCHEDULE FOR EXPOSED PIPING  
 CONTRACT WI-284**

B. The following service abbreviations are used in Schedule 40 06 01-1:

<b>Service:</b>	<b>Abbrev:</b>	<b>Service:</b>	<b>Abbrev:</b>
Condensate	C	Sump Pump Discharge	SMP
Compressed Air	CA	Sludge	SL
Cooling Water	CLW	Seal Water	SLW
City Water	CW	Scum	SCD
Drain	D	Steam	ST
Fire Water	FW	Service Water	SW
Potable Water	PW	--	--

C. The following pipe material abbreviations are used in Schedule 40 06 01-1:

<b>Pipe Material:</b>	<b>Abbrev:</b>	<b>Pipe Material:</b>	<b>Abbrev:</b>
Carbon Steel	CS	Ductile Iron	DI
Copper	C	Stainless Steel	SS

D. The following joint type abbreviations are used in Schedule 40 06 01-1:

**THREADED FITTINGS  
 PER ADD#1 QUESTION /  
 ANSWER #78**

<b>Joint Type:</b>	<b>Abbrev:</b>	<b>Joint Type:</b>	<b>Abbrev:</b>
Brazed	Brz	Soldered	Sld
Flanged	Flg	Threaded	Thd
Mechanical Joint	MJ	Welded	Wld

E. The following interior coating abbreviations are used in Schedule 40 06 01-1:

<b>Interior Coating</b>	<b>Abbrev:</b>	<b>Interior Coating:</b>	<b>Abbrev:</b>
<del>Cement Lined</del> -Ceramic Epoxy	CEL	--	--

F. The following exterior coating and treatment abbreviations are used in Schedule 40 06 01-1:

<b>Exterior Coating, Treat.:</b>	<b>Abbrev:</b>	<b>Exterior Coating, Treat.:</b>	<b>Abbrev:</b>
Galvanized	Galv	Paint	P
Insulate	I	--	--

G. The following testing abbreviations are used in Schedule 40 06 01-1:

<b>Test Type:</b>	<b>Abbrev:</b>	<b>Test Type:</b>	<b>Abbrev:</b>
Hydrostatic	Hyd	--	--