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From: [MILLER Ali * DEQ](#)
To: [CWSRFWaiver](#)
Cc: [KRAMER Rebecca * DEQ](#); [MARKO Chris * DEQ](#)
Subject: AIS Waiver for Coos Bay: Product Specific Waiver
Date: Monday, July 15, 2024 5:15:36 PM
Attachments: [REDACTED]
[Request for Information HDPE Backing Rings-AIS.pdf](#)
[Project Schedule Coos Bay AIS Waiver.pdf](#)
[AIS Complaint - Backing Rings For HDPE Flanges.msg](#)

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Hello,

Recently Oregon's Clean Water State Revolving Program received a request from the engineers and contractors working on the City of Coos Bay (R24004) WWTP 1 Upgrades Project for an AIS Waiver regarding the nonavailability of a product needed for construction. Oregon CWSRF has not received any other waiver requests for the materials described in this waiver request.

Specifically, the unavailable product is the backing rings for the High Density Polyethylene (HDPE) flange products. These backing rings are not available using domestic steel. [REDACTED] can supply the backing rings for the HDPE flanges required for this project, but they are not available with domestic steel. In addition to [REDACTED], the supplier has reached out to [REDACTED] and [REDACTED] to get a quote on AIS compliant backing rings for HDPE pipe flange adapters and they both declined to provide a quote. Attached is a letter from [REDACTED] explaining Domestic Backing Ring Nonavailability (please see the document, "Request for Information HDPE Backing Rings-AIS"). Therefore, Oregon's CWSRF program is requesting a waiver for AIS compliance for the backing rings, due to non-availability of a domestic option.

Information Checklist:

Project Description:

- Loan recipient – The City of Coos Bay
- Project name – Wastewater Treatment Plant No. 1
- Project Description – The Wastewater Treatment Plant 1 upgrades consist of the following upgrades: replacement of the headworks screen, addition of chemically enhanced primary treatment (CEPT), new blowers, a secondary clarifier, chlorine contact basin baffling improvements, and digester improvements.
- Project schedule – Please see the attached document "**Project Schedule Coos Bay AIS Waiver**"

Supporting Documentation

- Loan recipient's efforts to find available domestic sources, information from the domestic suppliers indicating the product is not domestically available, and

confirmation of the non-availability of the product: **Please see the attachments titled, “ [REDACTED] Fittings Info, “ [REDACTED] Convoluted Backing Rings”, the “ [REDACTED] Backing Ring Info”, the “Request for Information HDPE Backing Rings-AIS” document and the email, “AIS compliant-Backing Rings for HDPE Flanges”**

Oregon’s CWSRF program believes that the attached documentation is the supporting documentation necessary to demonstrate the non-availability of the domestically available materials for which the waiver is requested:

- Supplier information or pricing information from a reasonable number of domestic suppliers indicating availability/delivery date for construction materials
- Documentation of the assistance recipient’s efforts to find available domestic sources, such as a description of the process for identifying suppliers and a list of contacted suppliers.
- Project schedule — indicating the required quantity and quality of construction materials
- Waiver request includes a statement from the prime contractor and/or supplier confirming the non-availability of the domestic construction materials for which the waiver is sought
- The state has not had other waiver requests for the materials described in this waiver request, for comparable projects

Please let me know if there is anything else you need for this waiver request.

Best,
Alli



Alli Miller
She/Her/Hers
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6. Pipe lengths, fittings, and flanged connections to be joined by thermal butt-fusion shall be of a compatible resin mix for the fusion process.
 7. Fittings:
 - a. Sizes 12 Inches and Smaller: Molded and manufactured to requirements of ASTM D3261.
 - b. Sizes Larger than 12 Inches: Thermal butt-fused fabricated.
 - c. Unless noted otherwise, provide fittings with a factory fused 4-foot-long spool on each end to facilitate onsite fusion.
- B. Backup Rings:
1. Convolved for Flanged Connections:
 - a. ASTM A240/A240M, Type 316 stainless steel.
 2. Gaskets: Material, size, and thickness shall be as recommended by gasket manufacturer and in accordance with PPI Technical Note 38. Gasket manufacturer shall provide a table with recommended bolt torque and tightening pattern.
- C. Joints: Thermal butt-fusion except for flanged connections where connecting to valves, equipment with flanged connections, and connections to different pipe materials as shown in the drawings. Electrofusion may be allowed with Engineer approval.
- D. Bolts, Nuts, and Washers: **HDPE nuts, bolts and gaskets not provided by** [REDACTED]
1. Bolt Materials: Type 316 stainless steel, ASTM A193/A193M, Grade B8M hex head, carbide solution treated and strained hardened.
 2. Bolt Fabrication: In accordance with ASME B18.2.1
 3. Nut Materials: Type 316 stainless steel, ASTM A194/A194M, Grade 8 hex-head.
 4. Nut Fabrication: In accordance with ASME B18.2.2.
 5. Washers: Type 316 stainless steel. Same material as bolts in accordance with ASME B18.21.1.
 6. Thread Lubricant: Provide bolt manufacturer's recommended lubricant on bolt threads, nuts, nut face, and around bolt hole.
 7. Corrosion Resistance: When used in submerged brine water applications, bolts, nuts, and washers shall be coated in polytetrafluoroethylene (PTFE) applied by fastener manufacturer.
- E. Wall Anchor:
1. Material: Same as HDPE pipe.
 2. Internal Diameter: Equal to adjacent pipe.