

# REQUEST FOR BIDDING INTERPRETATION (RFBI)

(Email no later than December 17, 2024, 5:00 p.m.)

To: **Sagar Gupta, Project Director**  
**Project Management and Development Branch**  
**Real Estate Services Division**  
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PMDB RFBI No.: 15  
Requestor RFBI No.: 12  
Request Date: Dec. 17, 2024  
From (Bidder): Preston Pipelines Infrastructure LLC

Contact: Chad Hutchinson  
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Email: chutchinson@prestonpipelines.com

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Project No.: 000000000008666  
Project Name: DSH-Coalinga Hydronic Loop Replacement  
Location: Coalinga, CA

Drawing Reference: Mech. Sheets Project Manual Reference: 23 20 13 - Above Ground Piping

Question: Please advise if the owner will accept field applied insulation for the above mechanical piping.

The specs currently call out factory installed pre-insulated piping.

From 23 20 13 - Above Ground Piping

## 2.07 THERMAL INSULATION AND JACKETING

A. Aboveground piping shall be pre-insulated, pre-fabricated pipe. Insulation materials furnished and installed hereunder should meet the minimum thickness requirements of American Society of Heating, Refrigeration, and Air Conditioning Engineers ASHRAE 90.1 (current edition), "Energy Efficient Design of New Buildings." However, if other factors such as condensation control or personnel protection are to be considered, the selection of the thickness of insulation should satisfy the controlling factor.

### F. Pre-Insulated Pipe

1. Aboveground piping shall be pre-insulated, pre-fabricated pipe. It shall be a complete system of factory pre-insulated polypropylene piping for the specified service.
2. Carrier pipe shall be polypropylene PP-R or PP-RP(RCT) by Aquatherm or approved equal, conforming to ASTM F-2389, as previously specified herein.
3. Insulation shall be polyurethane foam either spray applied or injected with one shot into the annular space between carrier pipe and jacket with a minimum thickness of one inch. Insulation shall be rigid, 90-95% closed cell polyurethane with a 2.0 to 3.0 pounds per cubic foot density and coefficient of thermal conductivity (K- Factor) of 0.16 and shall conform to ASTM C-591.
4. Jacketing material shall be extruded, black, high-density polyethylene (HDPE), having a minimum wall thickness of 100 mils for jacket sizes less than or approved equal to 12", and 125 mils for jacket sizes larger than 12" to 24".
5. Pre-insulated fittings (tees and elbows) shall meet the same requirements as noted herein for pre-insulated pipe. Fittings shall have stubs of an extra 36" of pipe on each inlet and outlet for future ease of insertion into the piping system. Pre-insulator shall provide on-site insulation kit to connect to the pre-insulated system to make a continuous insulation system.
6. Manufacturers: Subject to compliance with requirements, provide products by one of the following:
  - a. Aquatherm Pipe
  - b. Thermacor Process, L.P.
  - c. Perma-Pipe, Inc.
  - d. or approved equal

Bureau Veritas Response:  
01/13/2025

Above-ground piping need not be pre-insulated piping.  
Field-applied insulation may be used as specified in Specification Section 23 07 00 - Mechanical Insulation.

Richard Henrikson  
Mechanical Project Engineer

Bidder's Authorized Signature: \_\_\_\_\_

[ ] Check here if additional pages attached

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