

**Q-SDD-F-00007****S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps  
February 8, 2022**

The purpose of this report is to document the inspection performed 1/27/2022 on the pipe caps/wraps and pipe taps on the A-Line, Building 221-1F pipe bridge and associated piping, and address any repairs/actions that may be required. The guidelines and requirements for this inspection were based on the following documents:

1. SDD-2013-00035, dated 8/21/2013, "A-Line Pipe Cap/Wrap Inspection and Repair Guidelines"
2. SDD-2007-00199, dated June 28, 2007, "Caps for Process Piping – 211-F Pipe Bridge and 820 Tank Vault"
3. SDD-2007-00245, dated August 21, 2007, "Caps and Sleeves for Process Piping – 211-F Pipe Bridge & 820 Tank Vault"
4. SDD-2010-00102, Rev. 1, dated May 11, 2010, "Engineering Input Building 221-1F, A-Line Long Term Pipe Capping"
5. Tap Cap Annual Surveillance – 221-1F 200-CTS-009917 - #010

On Thursday, January 27, 2022, EC&ACP Engineering and EC&ACP D&D Area Projects Integration performed a walkdown of the pipe bridge and west side of Building 221-1F, A-Line, to examine the pipe ends and associated caps and wraps that had been identified in the referenced documents. Although some pipes may have been missed or were difficult to photograph due to the distance from them, every effort was made to photograph each pipe that was capped and wrapped along with every pipe tap. Results of the walkdown are shown in Photos 1-11.



**Photo 1 - Pipe Caps/Wraps Only**

**Q-SDD-F-00007**  
**S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps**  
**February 8, 2022**



**Photo 2 - Pipe Caps/Wraps Only**



**Photo 3 - Pipe Caps/Wraps Only**

**Q-SDD-F-00007**  
**S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps**  
**February 8, 2022**



**Photo 4 - Pipe Cap/Wrap Only**

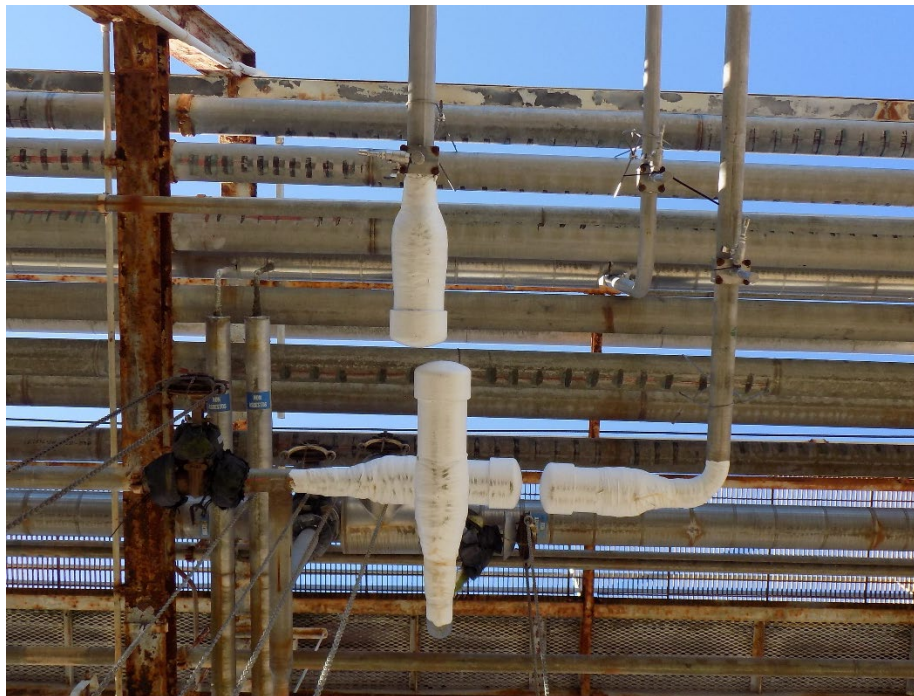


**Photo 5 - Pipe Caps/Wraps and Pipe Taps**

**Q-SDD-F-00007**  
**S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps**  
**February 8, 2022**



**Photo 6 - Pipe Caps/Wraps and Pipe Taps**



**Photo 7 - Pipe Caps/Wraps and Pipe Taps**

**Q-SDD-F-00007**  
**S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps**  
**February 8, 2022**



**Photo 8 - Pipe Caps/Wraps and Pipe Taps**



**Photo 9 - Pipe Caps/Wraps and Pipe Taps**

**Q-SDD-F-00007**  
**S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps**  
**February 8, 2022**



**Photo 10 - Pipe Tap Only**



**Photo 11 - Pipe Tap Only**

**Q-SDD-F-00007**

**S&M Inspection Report 221-1F, A-Line Pipe Cap/Wrap and Taps  
February 8, 2022**

**Summary**

Pipe cap/wraps are shown in Photos 1-4. Pipe caps and wraps along with pipe taps are shown in Photographs 5-9. Pipe taps only are shown in Photos 10-11. The results of the walkdown/inspection are as follows:

1. There is no evidence of leaking of any of the pipe taps and no further action is required until the next annual walkdown is performed or if circumstances/conditions warrant its occurrence (Photos 1-9).
2. Although the pipe wraps exhibit minor staining there is no instance noted that would require the wraps to receive additional layers or to have to be recoated with Imron™ or equivalent acrylic enamel paint for UV protection (Figures 1-9). Unless conditions change or there is evidence of leakage of any of the caps/wraps, the next walkdown should occur in one year in conjunction with the pipe tap inspection.