

McCall Farms Steam Pipes

Client Name and Location: McCall Farms, Effingham, SC USA

Date of Application: June 2013

Representatives: Robert Browning, Mascoat and Kelvin Pratt, Jones Blair

Applicator: Industrial Safety Coatings of Florence

Coating Used: Mascoat Industrial-DTI

Primers/Topcoats (reason for topcoat):

- 100% Solids Epoxy Primer to penetrate surfaces where proper surface could not be achieved.
- Acrylicthane HS2 Safety Orange for chemical resistance and ability to be washed weekly by maintenance staff

Application: Steam pipes running between 250–300°F (121–150°C)

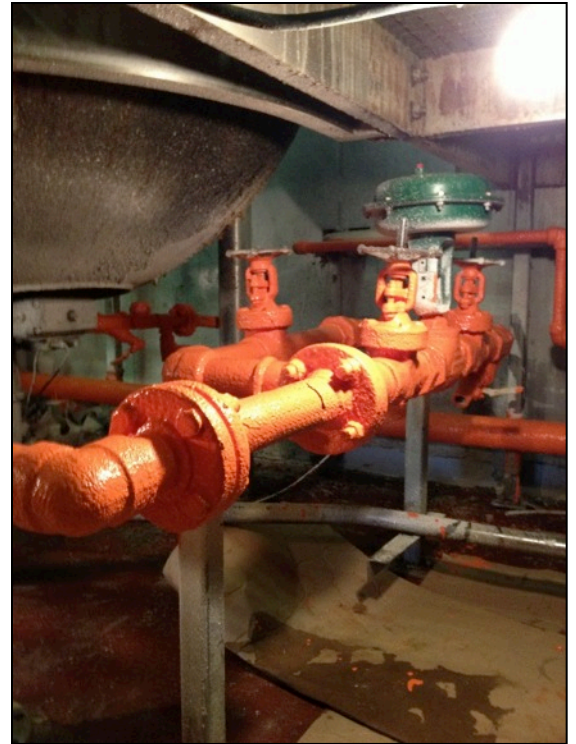
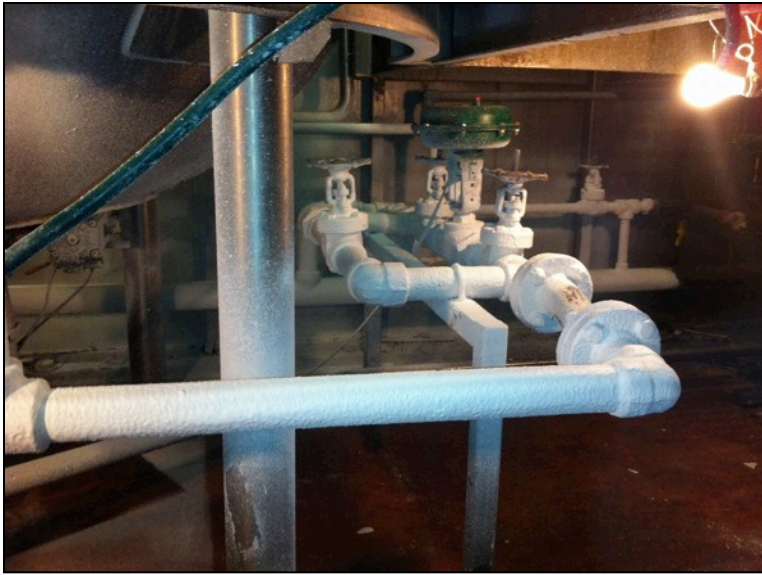
Reason for Application: The steams pipes were originally insulated conventionally and jacketed. There were multiple failures in the first 24 months, which required repair/replacement on a frequent basis. The humidity and moisture in the plant made it almost impossible to insulate without CUI occurring quickly.

Mils of Mascoat Product Applied: 140 mils (3.5 mm)

Starting surface temperature: 250–300°F (121–150°C)

Post Application Surface temperature: 120–130°F (49–54°C)

Notes after application: The area is now safe to work under for maintenance workers. As typical in most industrial facilities that are working non-stop 24/7 schedules, the maintenance on the pipes was not performed as discussed and the spices such as tomato paste, sugar, salt, any many other flavored hot spices and brews from kettles have been spilled and “slow cooked” over the pipes. After scraping off the excess, the coating system is shown to be working as anticipated.



140 mils of Mascoat Industrial-DTI (above) and topcoated with Acrylichthane HS2 Safety Orange (right)



By-product of process baked on to pipes 6 months after application (above) and cleaned up after scraping (right). Notice contractor holding on with bare hand. Internal temperature approximately 250°F (121°C)