Exhaust Stack – Personnel Protection and Energy Retention

Client: Paper Mill, Oregon, USA

Date of Application: September 2017

Mascoat Representative: Mike McNamara

Distributor: Miller Paint

Applicator: Safway Services LLC – Oregon

Coating Used: Mascoat Industrial-DTI

Application: Exhaust Stack

Reason for Application: Personnel Protection and Energy Retention

Dimensions: 500 ft^2

Coating Thickness: 80-100 mils

Time to Complete: 3 weeks

Surface Temperature: 175-250˚F depending where temps were taken

Post Application Surface Temperature: Below 140˚F, the defined temperature at which skin burns take place in less than 5 seconds of contact

Application Notes: The company looked at several conventional insulation options, it was determined that the risk of CUI was too great. The top of the Exhaust Stack is exposed to weather, and if water enters the system at the top, it will trickle down and cause problems for the entire insulation system. This includes not only decreased thermal performance, but also corrosion risks

They began to look at Insulating Coatings to provide Personnel Protection and Energy Retention, as well as prevent the threat of CUI. After several meetings with the mill and their preferred applicator Safway, Mascoat was chosen because it was determined that the company could provide engineered numbers of the expected results, knowledgeable technical support, wealth of case histories on similar applications, and ease of getting product shipped to their location.

After the stack had been coated with Mascoat Industrial-DTI, engineers at the mill inspected the unit and found that the coating is performed as predicted. They are satisfied with the outcome and are currently looking for more areas to use the coating in their facility.

Quote from applicator:

Safway's Sales Manager Jacob Melton said, "Compared to other TIC's we have tried in the past, Mascoat's was much more consistent from bucket to bucket, applied easier and resulted in a smoother appearance."