



SHIJIAZHUANG IRON & STEEL COMPANY LIMITED

Repair of Biocide Dosing Injection Pump at Cooling Tower

SUMMARY OF THE OPTION

Shijiazhuang Iron & Steel Co., Ltd. (“Shigang”) is a state-owned integrated steel plant located in Shijiazhuang city, the capital of Hebei province in China and produces 2 million tons of carbon structural round steel per year.

During the *assessment* of the plant, the Team found that (1) most of the cooling tower areas are uncovered and sunlight can ingress resulting in heavy algae growth, (2) Biocide is used to prevent algae growth, but this has not worked effectively because it is added to the cooling tower in one 40-80 kg batch daily (3) A biocide dosing injection pump was installed, but it was not used.

It was suggested that the company repair the biocide dosing pump so that biocide is added to the cooling tower gradually instead of once a day batch, thereby reducing algae growth and Legionella risk. This option was implemented.

KEY WORDS

China, Iron and Steel, Cooling towers, Pumps and Pumping Systems

FOR MORE INFORMATION

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