

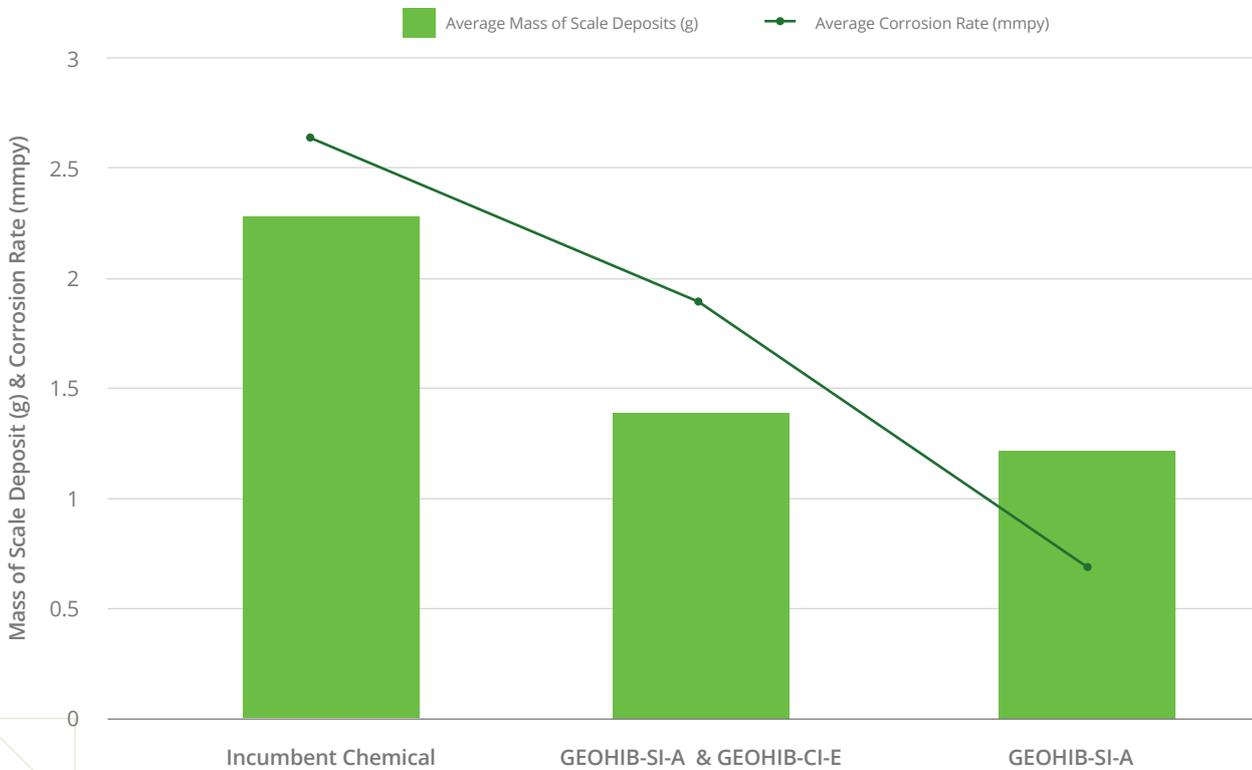
GEOHIB-SI-A & GEOHIB-CI-E



Case History

Mitigation of Norm Active Scale & Corrosion in a GeoThermal System

Results & Discussion Continued



- ▶ Compared to the incumbent chemical treatment regime, the average mass of NORM active scale removed from the corrosion coupons decreased by 49 %
- ▶ Average NORM activity of the recovered scaled solids also decreased by 59 % after treatment with GEOHIB-SI-A

- ▶ Corrosion rates across both tests resulted in a 69 % decrease in average corrosion rate
- ▶ Even with the halted GEOHIB-CI-E injection, the reduced scale deposition reported is proposed to have had such a significant effect on the systems galvanic potential, the average corrosion rate continued to decrease for the second test

In conclusion, the dual treatment of a geothermal system with GEOHIB-SI-A and GEOHIB-CI-E has shown promising preliminary results in mitigating the formation of NORM active scale. Additionally, a significant decrease in the system corrosion rate has been reported. Further testing and optimisation is underway in the application of these chemicals.