

BEST PRACTICE

LOCATION: Asphalt/Coating plant ARTICLE YEAR: 2021
ACTIVITY: Maintenance & Housekeeping COMPANY: FM Conway
SUB ACTIVITY: N/A COMPANY LOCATION: Imperial Bitumen Terminal
BEST PRACTICE No: BP2087 COMPANY TEL: 0000
COUNTRY OF ORIGIN:

TITLE

FMC Safer bitumen tank repair

ARTICLE

Entry 21149 Finalist Fatal 5

At FM Conway's Imperial Bitumen Terminal on the River Thames, Gravesend, bitumen is delivered into a series of tanks for storage and blending. The two largest tanks are 18m in diameter and 18m high and have a capacity of 3,000 tons of bitumen. These tanks are over 75 years old. As a result of corrosion, large portions of the base and sides up to 1m from the ground needed to be replaced with new steel plates 12mm thick.

Careful and accurate planning was required for this task. Any failure had the potential to be catastrophic, resulting in the risk of explosion/fire or total collapse. FM Conway set up a team to plan and complete the repairs during the period from middle of December 2020 to March 2021. FM Conway used the principles set out in its 'Big Ten in 10' to analyse and mitigate the significant risks associated with this project.

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ARTICLE IMAGES

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