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PROTEGO® China

Success for PROTEGO® ZETOP (Zero Emission at Tank Operating Pressure) Technology in China

The Chinese government has been fighting against emissions for years. Research done by the Ministry of Environmental Protection of China shows that more than 16% VOCs come from tank farms. The big players in the petro- and chemical industries, such as Sinopec and PetroChina, are under a lot of pressure. PROTEGO® China worked together with Sinopec and created a Safety Standard for tank farm's VOCs collection and treatment. One of the main points of the Standard is to define the maximum allowable leakage of pressure and vacuum relief valves and emergency vents in accordance with the PROTEGO® Work Standard.

Sinopec Cangzhou tested the leakage of PROTEGO® valves and the local products in use on the top of tanks at normal operating pressure by using a portable VOC detector. The results showed that PROTEGO® valves have an excellent zero emission, and the local products in use have a leakage of more than 5,000 ppm.

On November 8th, 2018, a total of 60 PROTEGO® valves with ZETOP technology were installed at Sinopec Cangzhou to replace the existing local products without certification. Currently, all of the tanks at Sinopec Cangzhou are protected by PROTEGO® valves.



Picture 1: The local product was removed



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Picture 2: The PROTEGO® valve was installed



Picture 3: The customer tested leakage of PROTEGO® valves



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Picture 4: All of the tanks are protected by PROTEGO® valves



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