



ANHUI LINQUAN CHEMICAL INDUSTRY CO LTD

Insulation and Leak Repair of Steam Pipelines

SUMMARY OF THE OPTION

Anhui Linquan Chemical Industrial Company Ltd. is a joint stock company established in 1970, a middle size chemicals producer located in Anhui province, Middle China. It produces over 1 million tons of chemicals, mainly urea and ammonia.

The heat and power department is one of the main energy consumers. During steam transportation, parts of steam pipelines and valves were exposed without any insulation and there were some broken parts of existing steam tanks and heat-insulating materials of pipelines. Cost of steam loss was about US\$ 485,000 per year.

The option included improving the adiathermal materials used for insulating the surface of high temperature pipes, and fixing broken steam bags and pipes. In addition, repair of insulated layers for steam flanges and valves, such as hinge and removable insulating layer, and fixing of broken parts was carried out to reduce visible steam leakages. After implementing this option, water efficiency improved and steam loss was reduced and ultimately energy loss was reduced.

KEY WORDS

Chemicals, China, Steam Distribution and Utilization, Leaks

FOR MORE INFORMATION

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