

“The Umm Wu’al Phosphoric Acid Plants – A Success Story”

By: James Byrd (Jacobs) and Sal Nsheiwat (Mosaic)

Bio:

Sal Nsheiwat of Mosaic will be presenting with me. Our roles (not titles) in the respective project were: Process Lead for James Byrd and Project Lead for Mosaic, respectively. We will submit our bios at a later date.

Abstract:

As a part of the overall Umm Wu’al Chemical Complex in Saudi Arabia, three phosphoric acid plants were constructed and are currently in operation. Ma’aden and Mosaic joined together to spearhead the project management and develop a world class phosphate operation. Jacobs was selected to provide the technology for the phosphoric acid plants and perform Basic Engineering. As a part of the overall strategy, Hanwha was awarded the EPC contract to include Detail Engineering with support from Jacobs and as managed by the joint team from Ma’aden and Mosaic. This model of project execution resulted in some of the best operating plants in the world. All three plants met all performance parameters within a short period of time after start-up. This presentation describes the project execution from Basic Engineering through construction and culminates with Process Performance Test results.