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Overcoming Obstacles: Implementation of Chevron Australia's Digital Operating Procedure Tool

Elise Diaz

Operations Advisor – Produce Excellence, Chevron Australia

ediaz@chevron.com

ABSTRACT

The transition from paper-based to digital operating procedures presents significant challenges and opportunities for enhancing safety and efficiency in gas processing operations. This presentation will focus on the rollout of a digital tool to manage and execute operating procedures at Chevron Australia’s Major Hazard Facilities. The tool is designed to improve performance by providing a centralised, digital platform for operating procedures.

Key topics will include:

Understanding and Managing Challenges: The implementation of new technologies often comes with unforeseen challenges. The presentation will delve into the specific human factors and technical obstacles encountered during the rollout of the tool, including resistance to change, integration with existing systems, and training requirements.

Risk Implications: The shift to digital procedures has implications for managing risk. The presentation will explore how the digital tool helps to identify, assess and mitigate risk more efficiently compared to paper-based methods.

Lessons Learned: Lessons learned from the digital transformation will be shared, including stakeholder engagement, training, and deployment strategies

Future Directions: Insights into the future of digital operating procedures and their potential impact on operational excellence will be discussed.

The presentation aims to provide insights into the practical aspects of deploying digital tools in complex operating environments and highlight the benefits of improved safety and efficiency.

KEY WORDS

Digital Transformation, Process Safety, Operating Procedures, Risk Management, Change Management, Human Factors

BIOGRAPHY

Elise Diaz has been working with major hazard facilities in design, commissioning, and operations for over 17 years. Working for Chevron in Australia and America, she implements and improves process safety management systems in addition to coaching others in the field. Elise holds a Master's of Science degree in Safety Engineering from Texas A&M and a Bachelor's degree in Aerospace Engineering from the University of Adelaide, South Australia. Elise is currently an Operations Advisor supporting Chevron Australia’s operating facilities. She is deeply passionate about process safety and is a devoted mother to her two hyoung sons.

Conference Program

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