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Enhancing Emergency Management Through Risk Based Emergency Response Plan - SEC Success Story

Earlier SEC is having generic Pre-Incident Plan (PIPs) & due to this; the company is having an Insurance Survey and other Internal and External Auditor recommendations. SEC introduced risk-based PIPs, PIPs contain following Process Safety Information for Emergency Response Staff, Process Operator & plant personal on specific Emergency Scenarios & its mitigation.

Overview of this Technical Paper: •Why PIP? • Governing standards and legal requirements • Key Parameters and inputs to PIP • Buncefield case study • Benchmarking of SEC PIPs • Key learnings. Expected Outcomes of PIPs: Revalidation of;

- Major worst case credible highest consequences scenarios (C5/C4)
- Fixed and mobile fire protection systems capabilities
- Competent Human Resources & logistic requirements
- Safe distances to combat emergency
- Evacuation and escape routes

Conclusion: PIP training to Emergency Response Staffs, Process Operators were arranged and practice these PIPs during drills and actual emergency.

Presentation Theme: New Implementation of Risk Based Emergency Response and Crisis Management Plan with Consequence Modelling has been started. Now Pre-Incident Plans (PIPs) are having following Process Safety Information, which is helping to Emergency Response Staff, Process Operator, and other plant personal the Emergency Scenarios and its mitigation.

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