



Major Accident Prevention Policy (MAPP)

Chemical Specialties Singapore Pte Ltd (CSL) recognizes that the nature of our activities may give rise to major accident scenarios and we are committed to achieve high standards of controls to reduce the risks to personnel, contractors, visitors, neighbours and the environment to as low as reasonably practicable.

In pursuit of our commitments, everyone in this facility is accountable and empowered to protect our stakeholders' health and safety and the environment. We shall embrace these principles in our Safety Health & Environmental Management System (SHEMS):

- Establishing an effective management system and identifying potential major accident scenarios involving major accident hazards, occupational, health & safety (OH&S) hazards, environmental aspects and energy resources, which will enable us to manage our operations and business in a manner that will offer maximum protections to our stakeholders and the environment.
 - o Adopts appropriate hazard assessment technique to identify hazards, improvements and reduce the risks to as low as reasonable practicable.
 - o Develops key performance indicators and establishes procedures and functions to manage the risks.
 - o Engage with stakeholders to build up their awareness and ownership of safety, health and environmental performance.
- Recognizing fatigue as a major health and safety risk that we must control effectively. Hence, we are committed to manage and mitigate fatigue risks, to ensure stakeholders are able to perform their duties safely.
 - o Establishes policies and guidelines to manage fatigue risks.
 - o Integrates fatigue risk identification into hazard assessment process.
 - o Reviews and implements controls to eliminate or reduce fatigue risks.
 - o Communicates and improves stakeholder awareness towards fatigue.
- Managing changes and designing our facility to ensure safe operations, prevent process safety incidents, prevent harm to individuals and protect the environment by applying good operating, engineering and maintenance standards.
 - o Manages changes through management of change (MOC) and pre-start up safety review (PSSR) program.
 - o Adopts relevant codes and standards to ensure good applications of practices for operations, process safety and maintenance.
 - o Communicates changes to the stakeholders.
 - o Ensures proper documentations of the MOC and PSSR.
- Empowering all stakeholders as everyone is held accountable for compliance obligations to which we subscribed. In the absence of such requirements, best practices will be applied to reduce the risks and impacts to as low as reasonable practicable.
 - o Involves stakeholders through development and communication of policies, procedures and performance indicators.
 - o Conducts regular compliance obligation review.
 - o Monitors the implementation status and effectiveness of the controls and practices.
 - o Demonstrates compliance through effective documentations.
- Working with our partners through proactive and open communications of information that will facilitate us to consult, share experiences and information and learn from each other.
 - o Engages with stakeholders through regular communications and consultations.
 - o Solicits feedbacks from stakeholders.
 - o Carries out community outreach program.
 - o Shares investigation results to ensure lesson learnt.
- Conducting meetings for critical tasks to ensure adequate controls are provided to manage the major accident scenarios, safety critical events, OH&S hazards and environmental aspects.
 - o Conducts critical task meetings with stakeholders for confined space, lifting, hazardous line break, hot work on existing line and excavation.
 - o Communicates the outputs (such as discussed job scope, hazard and control) from such meetings to the stakeholders.
- Embracing safety, health and environment requirements by meticulously organizing work activities which will invariably result in excellent performances.
 - o Carries out discussions with stakeholders to review tasks and work schedule.
 - o Conducts hazard assessments to identify hazards and controls.
 - o Communicates job scopes, hazards and controls to stakeholders.
 - o Ensures effective implementations of the controls.
- Providing trainings to equip our stakeholders with the skills and knowledge to ensure that every job, activity and task is performed to meet the safety, health, environmental and operation standards.
 - o Identifies training needs based on compliance obligation and stakeholders' function.
 - o Carries out annual review to identify training needs.
- Allocating adequate resources to achieve goals and eliminate any major accident scenarios, OH&S hazards and environmental aspects.
 - o Identifies work processes and functions to ensure organizational structure is appropriate to minimize risk of a major accident scenarios and to minimise its consequences.
 - o Defines roles and responsibilities to ensure accountability.
 - o Provides appropriate resources to manage emerging and established risk.
- Actively supporting and participating in safety, health and environmental initiatives.
 - o Seeks consultations and initiates communications with stakeholders.
 - o Builds up the stakeholders' skills and knowledge through trainings and engaging them to participate in programs.
- Advocating incident reporting and adopting a systematic investigation approach, which will facilitate us to establish its cause, identify measures and disseminate lesson learnt to stakeholders in a timely manner.
 - o Communicates incident reporting requirements to stakeholders through health, safety and environmental induction trainings.
 - o Conducts investigation in a timely manner to facilitate root cause identification and implementation to prevent recurrence.
 - o Communicates incident finding to stakeholders to facilitate lesson learnt.
- Establishing and maintaining of on-site emergency plans to control and mitigate the consequences of major accidents, regularly test and review our emergency response plans and to provide emergency trainings to all our stakeholders.
 - o Identifies emergency situations and develops plans to response and mitigate its consequences.
 - o Provides trainings and conducts regular drills for the emergency response team, employees and contractors.
 - o Conducts reviews to ensure the relevancy and effectiveness of emergency plans.
- Continuing improvement by evaluating best practices and reviewing policy, performances, procedures and the management system to ensure compliance, suitability and effectiveness.
 - o Establishes a set of monitoring parameters to evaluate the effectiveness of management system and its programs.
 - o Involves stakeholders and conducts regular reviews to improve compliances and performances.
 - o Allocates resources to carry out the reviews and implementations.
 - o Participates actively in industry workshops and seminars to gain insight of best practices or new technologies.
 - o Communicates review results and recommendations to the stakeholders.