
EHSS issues and concerns are integral to SPC's growth and development plans.



As an integrated oil and gas company, SPC has developed an Environment, Health, Safety and Security (EHSS) policy that sets the direction for achieving its business goals in a safe, secure and environmentally sustainable manner.

ENVIRONMENT

Efforts to improve and sustain the environment remains foremost in the planning and operational practices of SPC. The company participates actively in industry efforts. SPC has developed best practices in EHSS that incorporate stringent administrative, engineering controls and standards. Embedded in such practices is a heightened awareness of the environment, local regulatory requirements and strict compliance.

SPC and its associated company, SRC, are members of the Oil Industry Environment Steering Committee (OIESC). OIESC has been collaborating with the Ministry of the Environment and Water Resources to address various environmental challenges faced by the oil industry. This includes greenhouse gas emissions through the Singapore Green Plan Air and Climate Change Focus Group.

SPC participates in and has access to oil spill response resources both locally and internationally. These resources will allow SPC to respond quickly to manage and mitigate any impact to the environment should incidents occur.

CLEAN FUELS

SPC's plans to offer clean fuels underscore its commitment to the environment. Through SRC, SPC is currently investing to increase production of diesel that meets the sulphur specifications of the Euro-IV standard. The project is scheduled to come onstream in 2009. SRC is also evaluating a clean fuel gasoline desulphurisation project which will enhance its capability to produce Euro-IV gasoline.

Since February 2008, SPC has retailed CNG at its Jalan Buroh service station. CNG emits less particulates and emissions, thereby contributing to a cleaner environment.

ENERGY EFFICIENCY

SPC works closely with its business partners to implement projects that improve energy efficiency, recovery and conservation. This includes a joint effort via SRC to conserve work fuel through several initiatives such as the installation of energy-efficient heating equipment.

HEALTH AND SAFETY

SPC's track record attests to a safety culture that has been embraced by all levels within the organisation. In 2007, SPC employees achieved two million man-hours without any loss time injury.

EMERGENCY RESPONSE AND CRISIS MANAGEMENT

SPC regularly conducts emergency response exercises and drills with the authorities at the facility level.

In 2007, SPC began work with a consultant and expert in the field to ensure its crisis management plan would be considered "fit for purpose" based on the risks and hazards faced in its operating environment. The plan entails regular drills and exercises to ensure the organisation is operating at its optimum effectiveness. The crisis management plan will ensure SPC has the ability to react to emergencies, preserve business continuity, and at the same time, manage and contain environmental, health, safety or security impact.

SECURITY

SPC communicates and works closely with various authorities on security-related issues. In 2007, SPC conducted joint security exercises with the Singapore Police Force at Jurong Bulk Plant.

EHSS IN THE COMMUNITY

SPC is supportive of EHSS programmes in the community. In 2007, it sponsored the National Workplace Safety and Health Campaign, a high-profile and activity-filled annual event to promote safety and health at workplaces throughout Singapore. Organised by the Workplace Safety and Health Advisory Committee, in collaboration with the Ministry of Manpower, the campaign was supported by more than 30 organisations, with over 50 talks and workshops held throughout the month of May.

SPC actively participated and collaborated with various regulatory

authorities to promote industry EHSS. It was awarded the SCDF Strategic Partners Award by the Singapore Civil Defence Force for its support in promoting emergency preparedness within the community.

CONTINUOUS COMMITMENT

The proactive management of EHSS issues and concerns are integral to SPC's growth and development plans. Sponsorships and collaborations will also provide important platforms for SPC to lend its support to community-based EHSS programmes.





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SPC's EHSS policy commitments are also embodied in SRC.

SRC was the first oil refinery in ASEAN to be ISO 9002 certified in 1994. The refinery was awarded the ISO 14001 certification for its environmental management system in 1999 – the first in Singapore's oil refining industry to have an integrated ISO Quality and Environmental management system, covering its entire operations.

ENVIRONMENT

SRC complies with all applicable regulations and standards pertaining to emission controls, effluent standards and waste disposal. It operates a modern waste water treatment plant, and deploys technology and facilities in its manufacturing process for environmental control. It regularly monitors the refinery's emissions, including direct and indirect CO₂ (carbon dioxide). It adopts a two-pronged approach of leveraging proven technologies and adopting best practices. Environment impact

assessment is a key metric in all project decisions which include due consideration of future developments and requirements beyond current regulatory emission standards. SRC sets targets and strategies to drive environmental performance and improvements as a part of its annual performance measure.

ENERGY EFFICIENCY

SRC works closely with SRC to implement projects that improve energy efficiency, recovery and conservation.

SRC is currently studying energy-efficient technologies such as Cogeneration, a Combined Heat and Power application to improve power generation efficiency. A cogeneration plant has higher energy efficiency compared to conventional power generation systems. The improved efficiency could translate to savings in operating expenses of about US\$10 million a year. Besides the economics, such technologies lead to reduction in greenhouse gas emissions such as CO₂ – a positive impact to the environment.

HEALTH AND SAFETY

SRC firmly believes in the importance of safety excellence for continued business success. It focuses on achieving Injury and Incident Free (IIF) operation and promotes the IIF culture through Behaviour-Based Safety (BBS) and personal accountability. IIF and BBS programmes involve the active participation of employees and contractors. SRC and its contractors work to build safety into their company culture, with an emphasis on minimising workplace injuries.

Manager Safety Tours at SRC is designed to engage ground level staff and senior management to facilitate solutions on safety issues. A system has also been put in place to commend and affirm employees and contractors who display exemplary safety practices.

SRC has achieved 4.3 million man-hours without any loss time injury as of December 2007, and 1 million man-hours of "no recordable injury" in the year. These milestones affirm its rigorous safety systems and procedures.

SRC endeavours to achieve world-class safety performance and believes in practising not only occupational safety but also process safety. SRC adopts OSHA (Occupational Safety & Health Administration) standards which set stringent requirements for process safety management aimed at preventing major process-related incidents.

SRC carries out regular third-party audits and other HSEQ (Health, Safety, Environment, Quality) assurance reviews to ensure continued safe operations.

- 1. All geared up for safety.
- 2. Nurturing a committed EHSS culture.