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Implementation of HSE MS in the Pipeline of Southern Pars Gas Field of Iran and its Impact on Green Efficiency Growth

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ABSTRACT

Iran's natural gas production has increased by over 550 percent over the past two decades, and the consumption has kept pace. As demand growth rates persist, the potential for shortfalls in natural gas supply grows. South Pars gas field is one of the famous gas fields of Iran with several phases, which is one of the major gas fields part is pipelines. The use of HSE MS to avoid wasting condensate gas to protect the resources, safety and the environment is very important. So that it can be effective in increasing efficiency and economic growth, with the preservation of the environment. Implementation of HSE MS provides a detailed framework outlining the roles and responsibilities for managers and employees which can be used to improve health, safety and environmental performance and increase efficiency in organizations and therefore it will bring about sustainable development. In the part of pipeline in southern Pars gas field, HSE MS brings awareness to safety hazards, provides appropriate levels results and Performance indicators and turned on one of its precarious that it is disability equipment is gas pipelines. So that, these factors that could be dangerous to the economy, fire and environmental toxicity is suspected. So that, the full implementation of the integrated HSE MS, efficiency increased by 7 percent and human risks reduced to a minimum value and the environmental pollution caused by condense gas leaks were fully protected and consequently the costs of cleaning up contaminated water and soil in this area is considerably reduced and effective as a step forward towards the green economy and efficiency.