

عنوان مقاله:

Risk Analysis of Air Blower Operation in Sulfur Recovery Unit using HAZOP procedures

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خلاصه مقاله:

Many accidents have occurred because small local modifications had unforeseen knock-on effects elsewhere. Hazard and Operability study (HAZOP) is the most widely used methodology that is used in the world today as a tool for hazards identification. The sulfur recovery unit (SRU) is one of the most important part of gas purification process. The Air blower provides the air necessity of reactor furnace where 54% of H₂S is converted to elemental sulfur vapor. This paper presents a safety analysis for air blower using HAZOP procedure. All of the deviation has been considered by HAZOP team and the recommendations are suggested to reduce the likelihood of consequences. The result demonstrated that the SRU plant is an Ecological unit and any deviation in operation has severe effect on the environment.

کلمات کلیدی:

Safety analysis, HAZOP procedure, Air blower, SRU, Ecological

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