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SUB L.T. SOMCHAI RAMART : FACTORS AFFECTING SAFETY OPERATION  
BEHAVIOR OF STAFF MEMBERS IN RAYONG GAS SEPARATION PLANT. THESIS  
ADVISORS : LADDAWAN THONG-NOP, B.Sc. , M.P.H. , PEETI BHOONCHAI SRI, B.Sc.,  
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The purpose of this research is to identify and study the factors affecting safety operation behavior of staff members of Rayong Gas Separation Plant. Questionnaires were used to interview 98 staff members and indepth interview technique were used for 8 department managers of the Rayong Gas Separation Plant. Data was collected during November 1, 1998 to December 15, 1998. The data was processed by the SPSS/PC+ software using the statistics frequency distribution, percentage, arithmetic mean, standard deviation, Z-test, one-way analysis of variance, analysis of covariance with multiple classification analysis. Description analysis was utilized for indepth interview data and information.

The result of the study showed that the significant factors affecting safety operation behavior were education level, income, attitude toward safety operation behavior, and the plant safety management, all with positive relationships, meaning that the staff members who had higher education level, better income and better attitude toward safety operation behavior also had better safety operation behavior than other groups. It was also found that the Rayong Gas Separation Safety Management had positive relationship with the safety operation behavior of the majority of the staff members.

Based on the study result, it could be recommended that in order to promote better safety operation behavior of staff members, the Rayong Gas Separation Plant should make it possible for the staff members to further their additional education along with providing a continuous training programme of the Plant Safety Management Department so that the knowledge and good attitude toward safety operation behavior is provided and maintained for all staff members.