

## CHAPTER 7

### REFERENCES

1. Ahmad, S. (2008), Equipment failure rate updating-Bayesian estimation. *Journal of Hazardous materials*, Vol. 159, pp. 87-91.
2. Al shanini Ali, Arshad Ahamad, Faisal Khan. (2014), Accident modelling and analysis in process industries. *Journal of Loss Prevention in the Process Industries*, Vol. 32, pp. 319-324.
3. Albrecht M.B., Gilles D., Frederic H. (2013), Analysis of a Propane sphere BLEVE, *Chemical Engineering Transactions*, Vol. 31, pp. 481-486.
4. Alfredo V., Geoff S. (2008), Is HAZOP Always the Method of Choice for Identification of Major Process Plant Hazards? *Symposium Series Vol. 154*, pp. 1-8.
5. Anatoly B. Z., Ove T. G., (2002), Application of fuzzy sets theory in Qualitative and Quantitative risk assessment, *International journal of offshore and polar engineering*, Vol. 12, pp. 289-296.
6. Anjana M., Warren D. S. (2006), Plant-specific dynamic failure assessment using Bayesian theory, *Chemical engineering science*, Vol. 61, pp.7036-7056.
7. Badri, Nasser, Nourai, Farshad, Rashtchian, Davood. (2011), The role of Quantitative Risk assessment in Improving Hazardous Installation siting: A Case study, Iran. *Journal of chemical engineering*, Vol. 30, pp. 113-119.
8. Baybutt, P. (2015), A critique of the Hazard and Operability (HAZOP) study, *Journal of Loss Prevention in the Process Industries*, Vol. 33, pp. 52-58.
9. BIS-Indian Standard, (2006), Hazard Identification and Risk Analysis-Code of Practice (IS 15656), Bureau of Indian Standards, pp.1-25.

10. Bruno Fabiano, Hans Pasman. (2010), Trends, Problems and outlook in process industry risk assessment and aspects of personal and process safety management, *Advances in Risk Management*, pp. 59-92.
11. CCPS. (1989), *Guidelines for process equipment reliability data with data tables*. New York: CCPS/AIChE.
12. CCPS. (2000), *Guideline for chemical process quantitative risk analysis*, second edition. New York: CCPS/AIChE.
13. CCPS. (2001), *Layer of Protection Analysis (LOPA), A simplified process risk analysis*. New York: CCPS/AIChE.
14. Clement L., Clarisse Durand. (2011), Introduction of frequency in France following the AZF accident. *Journal of Loss Prevention in the Process Industries*, Vol. 24, pp. 227-236.
15. Cristina G., Mauro Gotti. (2013), Semi-quantitative HAZOP methodology applied to upstream oil& gas activities, *The Italian Association of Chemical Engineering*, Vol. 31, pp. 229-233.
16. Deborah K., Shane T., Peter Harper. (2011), Management of the UK HSE failure rate and event data. *Journal of Loss Prevention in the Process Industries*, Vol. 24, pp. 237-241.
17. Demichela, M., Norberto P., Alfredo Romano. (2004), Risk analysis as a basis for safety management system. *Journal of loss prevention in the process industries*, Vol. 17, pp. 179-185.
18. Dennis and P.N., P.E. (1997), *Handbook of Fire and explosion protection engineering*, Elsevier Publications.
19. Dennis C. H., (1989), A Simple problem to explain and clarify the principles of risk calculation, pp. 1-20.
20. Editorial. (2011), Acute risk assessment: new light on frequency assumptions. *Journal of Loss Prevention in the Process Industries*, Vol. 24, pp. 201-202.
21. Eelke S.K., Margreet, B., Spoelstra, Paul A.M Ujit de Hagg. (2013), QRA Method for Land-Use Planning around on shore Natural Gas Production and Processing Plants, Vol. 31, pp. 67-72.

22. Gareth Book. (2007), An overview of learning software tools for QRA, Process safety technical Exchange Meeting, pp. 1-5.
23. Gautam. S.S., and Saxena, P.K. (2001), Survey of criticality of risk from LPG storage tanks at user-sites in North India, Indosh News, Vol. 6, pp. 1-8.
24. Georges A. Melhem, (2006), Conduct Effective quantitative Risk assessment, White paper, Io Mosaic discovering solutions, pp. 1-14.
25. Giardina.G., Morale.M. (2015), Safety study of an LNG regasification plant using an FMECA and HAZOP integrated methodology., Journal of Loss Prevention in the Process Industries, Vol. 35, pp. 35-45.
26. Gooijer, L., Cornil, N., Lenoble, CL. (2012), An International comparison of four quantitative risk assessment approaches-A benchmark study based on a fictions LPG Plant, Process Safety and Environmental Protection, Vol. 90, pp. 101-107.
27. Graham D. Creedy, (2011), Quantitative Risk Assessment: How realistic are those frequency assumptions. Journal of Loss Prevention in the Process Industries, Vol. 24, pp. 203-207.
28. Gregory Carter, Simon Smith. (2006), Safety Hazard Identification on Construction Projects. Journal of Construction Engineering and Management, Vol. 132, pp. 197-205.
29. Hai Tang, Lixuan Lu. (2014), A Quantitative software testing method for hardware and software integrated systems in safety critical applications, Probabilistic Safety Assessment and Management, Vol. 12, pp. 1-9.
30. Han Z.Y., Weng H.G. (2010), An integrated quantitative risk analysis method for natural gas pipeline network. Journal of Loss Prevention in the Process Industries, Vol. 23, pp. 428-436.
31. Han, Z.Y., Weng, W.G. (2011), Comparison study on qualitative and quantitative risk assessment methods for urban natural gas pipeline network, Journal of Hazardous Materials, Vol. 189, pp. 509-518.
32. Hans Boot, (2013), Quantifying Safety with a QRA: To agree on the results, the method should be explicit. Chemical Engineering Transactions, Vol. 13,

pp. 7-12.

33. Hans J. Pasman, Bruno Fabiano. (2008), Trends, problems and outlook in risk assessments: Are we making progress? *Chemical Engineering Transactions*, Vol. 13, pp. 9-16.
34. Hans J. Pasman. (2011), History of Dutch Process Equipment Failure Frequencies and the Purple Book. *Journal of Loss Prevention in the Process Industries*, Vol. 24, pp. 208-213.
35. Hans J. Pasman, William Rogers. (2013), Bayesian networks make LOPA more effective, QRA more transparent and flexible, and thus safety more definable, *Journal of Loss Prevention in the Process Industries*, Vol. 26, pp. 434-442.
36. Han J., William J. (2012), Risk assessment by means of Bayesian networks: A comparative study of compressed and liquefied H<sub>2</sub> transportation and tank station risks. *International Journal of Hydrogen energy*, Vol. 37, pp. 17415-17425.
37. HAZOP Procedure, (2006), PR-1696, Petroleum Development of Oman, Sultanate of Oman.
38. HID Statistics report 2013-1, (2014), Offshore injury, ill health and incident statistics 2012/2013, Health and Safety Executive, UK.
39. IS 15656:2006, Indian standard Code of Practice for Hazard Identification and Risk Analysis., Bureau of Indian Standards, pp. 1-25.
40. Jeffrey D. M., John B. Cornwell. (2001), What is a QRA and what can it tell you? Annual symposium at Mary Kay O'Conner Process safety Center, pp. 1-7.
41. Jon Espen S., Jan Erik Vineem. (2012), Quantitative risk analysis of oil and gas drilling, using deep water horizon as case study, *Journal of reliability engineering and system safety*, Vol. 100, pp. 58-66.
42. Juan, A., Vicen E., Joaquim Casal. (2011), Generic event trees and probabilities for the release of different types of hazardous materials, *Journal of Loss prevention in the process industries*, Vol. 24, pp. 281-287.

43. Lees, Frank, P., (1980), Loss Prevention in the Process Industries, London and Boston: Butterworths. Vol. 1.
44. Liu Fei and Liu Mao, (2006), Individual Risk and Social Risk analysis for urban pipeline carrying Natural Gas, International conference on the 20th anniversary of Bhopal Gas Tragedy, IIT, Vol. 20, pp. 1-6.
45. Madhu, G., Risk Assessment of a cross-country pipeline transporting hydrocarbons, Indian Pipeline seminar, Vol. M-19, pp. 1-14.
46. Marhavidas, P.K., Koulouriotis, D., Gemeni, V. (2011), Risk analysis and assessment methodologies in the work sites: on a review, classification and comparative study of the scientific literature of the period 2000-2009, Journal of Loss Prevention in the Process Industries, Vol. 24, pp. 477-523.
47. Mathurkar, H.N., Gupta, A. (2004), Cross-country pipeline assessment, International conference on the 20th anniversary of Bhopal Gas Tragedy, IIT, Vol. 20, pp. 1-11.
48. Micaela D., Norberto P., Alfredo Romano. (2004), Risk Analysis as a Basis for Safety Management System. Journal of Loss Prevention in the Process Industries, Vol. 17, pp. 179-185.
49. Michael M. (2006), Avoiding Pitfalls in Assembling an Equipment Failure Rate Database for Risk Assessments. Journal of Hazardous Materials, Vol. 130, pp. 128-132.
50. Miguel Angel de la O H., Aderval S L., Antonio Carlos Augusto da Costa and Elezer Blanco Lemes. (2015), A Structural Approach to the HAZOP – Hazard and operability technique in the bio pharmaceutical Industry, Journal of Loss Prevention in the Process Industries, Vol. 35, pp. 1-11.
51. Mkrtchyan, L., Podofillini, L., Dang V.N. (2015), Bayesian belief networks for human reliability analysis: A review of application and gaps, Journal of reliability engineering and system safety, Vol. 139, pp. 1-16.
52. Nic Cavanagh, Colin Hickey. (2012), A “Triple Bottom Line” approach to QRA. The Italian Association of Chemical Engineering, Vol. 26, pp. 165-170.

53. Nic, C. (2001), Calculating Risks- Quantitative risk assessment for improving safety in the production and processing of petrochemicals. DNV Software,
54. Nima Khakzad., Faisal Khan., Paul Amyotte. (2011), Safety analysis in process facilities: comparison of fault tree and Bayesian network approaches, Reliability Engineering and system safety, Vol. 96, pp. 925-932.
55. Nima Khakzad. (2015), Application of dynamic Bayesian network to risk analysis of domino effects in chemical infrastructures, Journal of reliability engineering and system safety, Vol. 138, pp. 263-272.
56. Nima K., Faisal K., Paul Amyotte. (2013), Dynamic safety analysis of process systems by mapping bow-tie into Bayesian network, Journal of process safety and environmental protection, Vol. 91, pp. 46-53.
57. Nima K., Faisal K., Paul Amyotte. (2013), Quantitative risk analysis of offshore drilling operations: A Bayesian approach, Safety science, Vol. 57, pp. 108-117.
58.  
<https://www.cdc.gov/mmwr/preview/mmwrhtml/mm6216a2.htm>.  
(Accessed on 15.04.2016).
59. Paolo P., Paolo B., Carrado Delle Site. (2014), Updated failure rates and risk management in process industries, Vol. 45, pp. 1364-1371.
60. Perez-Martin, M., Rodriquez Toral, M.A. (2013), HAZOP – Local approach in the Mexican oil & gas industry, Journal of Loss Prevention in the Process Industries, Vol. 26, pp. 936-940.
61. Pietersen, C.M, (1990), Consequences of accidental releases of hazardous material, Journal of loss prevention in process industries, Vol. 3, pp. 136-141.
62. Pietersen, C.M., Van het Veld, B.F.P. (1992), Risk assessment and risk contour mapping, J. Loss Prev. Process Industries, Vol. 5, pp. 60-63.

63. Ramesh Babu, J. (2007), Process risk management for better insurance benefits, International symposium on Safety Instrumentation in oil and gas industry, pp. 2-10.
64. Ramesh Babu, J. (2014), Challenges of SIL assessments and implementation in various packages, White Paper.
65. Ramesh Babu, J., Subramanian, R., Chetan Birajdar. (2009), Risk Associated with cross-country Natural Gas Pipeline, IORS, pp. 2-10.
66. Ray J Davies, T D., Alfano, Farrukh Waheed, Tiina Komulainem. (2009), A Root Cause analysis approach to risk assessment of a pipeline network for Kuwait Oil Company, RIO Pipeline, pp. 1-8.
67. Rigas, F., Sklavounos, S. (2004), Major hazards analysis for populations adjacent to chemical storage facilities. TranslChemE, Part B, Process safety and environment protection, Vol. 82, pp. 341-351.
68. Robin P., Brian B., Andreas F., Kjellaug L., Cynthia Spitzenberger. (2011), Frequency data and modification factors used in QRA studies, Journal of Loss prevention in the process industries, Vol. 24, pp. 249-258.
69. RPS Energy. (2010), Preventing major accidents in oil and gas industry, White Paper, RPS group downstream.
70. Sabatino D., Roberto Fiore. (2008), A Realistic assessment of LNG hazards and consequences of release scenarios, Vol. 13, pp. 211-218.
71. Sergio C., Luciano F., Massimo Binda. (2010), Software inter-operability in consequence assessment: results of a feasibility study. Chemical Engineering Transactions, Vol. 19, pp. 341-346.
72. Seungkyu D., Chang Jun L., Jeongpil P., Dongil Shin. (2014), Quantitative risk analysis of fire and explosion on the top-side LNG-liquefaction process of LNG-FPSO, Vol. 92, pp.430-441.
73. Shahabaldin B., Bahman A., Che R., Mahar D., Genserik. (2013), Application of a multi-plant QRA: A case study investigating the risk impact of the construction of a new plant on an existing chemical plant's risk levels., Journal of Loss Prevention in the Process Industries, Vol. 26, pp. 895-903.

74. Shell Fred Technical Guide. (2001), Fire, Release, Explosion, Dispersion Hazard Consequence modelling package. Shell Global Solutions.
75. Siddiqui, N.A., Tamil Selvan, R., Ziauddin A. (2011). Risk Assessment – Tool to Minimize the Accidents, Vol. 31, pp. 77-82.
76. Sivaprakasam R., Maniramkumar A., Arumugaprabhu T. (2015), Application of fuzzy fault tree analysis and expert elicitation for evaluation of risks in LPG refueling station, Journal of loss prevention in the process industries, Vol. 33, pp. 109-123.
77. Soman A.R., Sundararaj G. (2012), Consequence Assessment of Vapour Cloud Explosion involving hydrogen release, International Journal of emerging technology and advanced engineering, Vol. 2, pp. 291-297.
78. Spyrossklavounos, Fotis Rigas. (2006), Estimation of safety distances in the vicinity of fuel gas pipelines, Journal of loss prevention in the process industries, Vol. 19, pp. 24-31.
79. Suddle S.I., Weerheijm J., Van den berg A.C., Vambersky J.N.J.A. (2008), Modelling the effects of BLEVE blast on a building spanning an underpass, 9<sup>th</sup> International Conference Probabilistic Risk Assessment and Management, pp. 1-8.
80. Tamil Selvan, Ajaya Kumar, Siddiqui, N.A. (2015), Consequence Analysis of Hydrogen storage tank and handling facility: A case study approach. Journal of applied engineering research and development, Vol. 5, pp. 1-10.
81. Taylor, J.R. (2010), Accuracy in Quantitative Risk Assessment? 13th International Symposium on Loss Prevention, Dome Oilfield Services, pp.1-8.
82. Ted A Williams. (2013), Risk based LNG facility siting and safety analysis in the US: Recent developments, 17th International conference and exhibition on LNG, pp.1-23.
83. TNO. (1197), Methods for the calculation of physical effects. TNO yellow Book. CPR 14E.

84. Tomaso V., Renato P., Abdul R., Bruno F. (2015), An Approach to Risk Evaluation in Connection with Fire Scenarios from a Cruise Ship. The Italian Association of Chemical Engineering, Vol. 43, pp. 1939-1944.
85. CCPS. (1996), Use of Vapor Cloud Dispersion Models, Second Edition, Center for Chemical Process Safety. New York: CCPS/AIChE.
86. Vic Marshall., Steve Ruhemann. (2001) Fundamental of Process Safety, Institute of Chemical Engineers.
87. Viswanathan, G. (2013), Common Mistakes in HAZID, HAZOP, SIL Studies, Process Safety Symposium, IIT Gandhi Nagar.
88. Young-Do J., Bum Jong A. (2005), A Method of quantitative risk assessment for transmission pipeline carrying natural gas, Journal of Hazardous Materials, Vol. A123, pp. 1-12.
89. Young-Do J., Daniel A.Crowl. (2008), Individual risk analysis of High-pressure natural gas pipelines, Journal of Loss Prevention in the Process Industries, Vol. 21, pp. 589-595.