

Editorial on Safety Measures and Accidental Hazards in Oil and Gas Industries

Neeraja Gopalan*

Industrial Hazards, Thangamalai University, Chennai, India

Abstract

Safety Measures in Oil and Gas Agencies are must and should avail the Precautionary measures because the main part of their work will be in digging and dwelling the Soil range as well as Marine range areas, Most probably Labour in the sectors of Especially Gas Industries will suffer with so many Dis orders of Respiratory tracts etc... In case of Oil Refineries the Labour will not maintain any safety Measures in Digging, Marine Lifting's, Drillings, oil spilling's and all. Avoid these type of Physical Harms with Maintaining of API and ANSI Standards. NFPA Standards will play a main role in Prevention of risks in oil and gas fields.

Keywords: Oil and gas; Safety measures; Oil spilling; Industrial hazards; ANSI; Marine drilling

Type of Hazards in Oil and GAS Industries

- a. Pipe threads Leakages
- b. Blow outs while digging gas purpose fire led.
- c. Hot Treated Rig Leakages
- d. Fuel Tanks over load
- e. Gas Broiler over heating
- f. H₂s gas excess inhalation
- g. Collsion of vehicles etc...

Nonrenewable Energy is the Main origin of oil and gas production. Here the combination of different products with Hydrocarbons leads to give new a output of Oil and Gas. Carbon is having a Strongest back bone of Hydrogen Atoms. While comes to Marine, the extreme moisture in the oil which is presents in the Marine mixed nutrients will provide sufficient growth to Microbes which are living in deep sea. Some major planktons in deep seaar surviving in deep sea due to upwelling of oils only.

Explanation of Safety Measures

Now I am takes you through the Precautionary measures of Oil and Gas Industry.

- A. Occupational safety and Health Administration approved Machines should be used in petroleum and oil Industries definitely.
- B. National institution for Occupational Safety and Health approved Drills and Rotational Motors only used in the Oil and Gas Industries.
- C. Avoiding of Heavy Cranes in More Labour frequency areas.
- D. Maintenance of Fire Alarms and Water sprinklers and Sand buckets, mainly co₂ extinguishers in Every Petroleum and oil and gas Heavy Industries.
- E. Eye, Face, Head and Hand Protections will be followed by each and every person in Industry (Figures 1-4) [1-5].

Conclusion

Maintenance of International Standards in Safety and precautionary measures will not Harm to any Labour in Industries

and Api guidelines, USA Safety standards will give the perfection in vehicle running in respective speed, HEAVY Industries like oil and gas, petroleum also follow these strictly and restricting in Local machines and safety Measures to prevent Labour Damage.



Figure 1: Ballastic Injury with small fire accident.



Figure 2: Palm Cut injury due to over fire exhaust.

*Corresponding author: Neeraja Gopalan, Professor in Industrial Hazards, Thangamalai University, Chennai, India, E-mail: Neeraja_gopalan@redffmail.com

Received March 28, 2016; Accepted March 30, 2016; Published April 05, 2016

Citation: Gopalan N (2016) Editorial on Safety Measures and Accidental Hazards in Oil and Gas Industries. Oil Gas Res 2: e103. doi: [10.4172/2472-0518.1000e103](https://doi.org/10.4172/2472-0518.1000e103)

Copyright: © 2016 Gopalan N. This is an open-access article distributed under the terms of the Creative Commons Attribution License, which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.



Figure 3: Blast tanks in oil and Petroleum Industries.



Figure 4: Metal and Mechanical Fall downs.

References

1. The World Fact book (2009) Country Comparison - Oil Consumption.
2. New York Times (2010) "As Oil Industry Fights a Tax, It Reaps Subsidies.
3. Halliday, Fred (2010) The Middle East in International Relations: Power and Ideology. Cambridge University USA, p: 270.
4. Krylov NY, Bokserman AA, Stavrovsky ER (1998) The Oil Industry of the Former Soviet Union. CRC p: 187.
5. Shirin A, Anne A (2004) The Caspian: Politics, Energy and Security. Rout ledge, p: 5.

Citation: Gopalan N (2016) Editorial on Safety Measures and Accidental Hazards in Oil and Gas Industries. Oil Gas Res 2: e103. doi: [10.4172/2472-0518.1000e103](https://doi.org/10.4172/2472-0518.1000e103)

OMICS International: Publication Benefits & Features

Unique features:

- Increased global visibility of articles through worldwide distribution and indexing
- Showcasing recent research output in a timely and updated manner
- Special issues on the current trends of scientific research

Special features:

- 700 Open Access Journals
- 50,000 Editorial team
- Rapid review process
- Quality and quick editorial, review and publication processing
- Indexing at PubMed (partial), Scopus, EBSCO, Index Copernicus, Google Scholar etc.
- Sharing Option: Social Networking Enabled
- Authors, Reviewers and Editors rewarded with online Scientific Credits
- Better discount for your subsequent articles

Submit your manuscript at: <http://www.omicsonline.org/submission>