

PROCESS HAZARDS ANALYSIS

Process Hazards Analysis for Energetic Materials and Hazardous Chemicals

October 18, 2017 | W | 1 – 5 pm | \$295 | 0.4 CEUs | C2318024

Process Hazards Analysis (PHA) provides an industry-proven way for your team to efficiently and objectively identify, evaluate, and control potential hazards. In this introductory course, you will learn how to apply risk management protocol to ensure safe processing and handling of energetic materials and hazardous chemicals. Participants will gain insights that will improve or establish new safety practices that are practical and effective.

Topics Include:

- PHA examples relevant to rocket propulsion propellants and testing
- Regulatory PHA requirements
- Preparing and organizing PHA studies
- Subdividing the process for study
- Determining appropriate PHA methodology
- Leadership skills for managing the PHA team
- Applying quantitative PHA methodologies
- Design intent, parameters, and deviations
- Conducting PHA's using various methods
- Human factors
- Material characterization test data
- How to document a PHA study
- PHA Report preparation and approval process
- Managing the follow-up of PHA results

Visit PCS.uah.edu/ProcessHazards to register.

INSTRUCTOR:

Gary D. Dodds is a subject-matter expert with over 34 years of experience in the propellant, explosives and pyrotechnic industries. He uses the practical application of engineering and explosives safety principles to minimize the risk for processes involving energetic materials/articles. He is proficient in performing hazards analysis for proposed new or modified explosives processes and effecting changes in process specifications that focus on "safety by design". He also has extensive experience in chemical processing, handling, transportation, and storage of hazard materials. His career spans a variety of industries such as explosives/propellant manufacturing, rocket motor manufacturing and demilitarization, airbag manufacturing, specialty chemical processing, and environmental remediation. He currently serves as Vice President of Safety Management Services of Safety Management Services, Inc.



Note: This course is tailored to meet requirements of OSHA 29 CFR 1910.199 "Process Safety Management of Highly Hazardous Chemicals," and the requirements outlined in DOD 4145.26-M "DOD Contractor's Safety Manual for Ammunition and Explosives."

5 EASY WAYS TO REGISTER

- 1 ONLINE**
www.PCS.uah.edu/ProcessHazards
- 2 PHONE**
256.824.6010 or 800.448.4031
8:15 am – 5 pm (CST),
Monday – Friday
- 3 FAX**
registration form to 256.824.6760
- 4 IN PERSON**
UAH, Wilson Hall, Room 103

- 5 MAIL**
registration form to:
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Continuing Studies
Wilson Hall, Room 103
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CEUs

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UAH Professional and Continuing Studies (PCS) courses meet requirements for providing Continuing Education Units (CEU).

- One CEU = 10 contact hours of instruction
- One PDH, CLP, or CPE = one contact hour of instruction
- One CEU = 10 PDH, CLP, or CPE

Successful course completion requires participants to attend 80% of scheduled class meetings (and complete associated exams or projects, if applicable). Participants receive a certificate indicating the number of CEUs earned.

For a complete list of policies, visit www.PCS.uah.edu.

Volume Discounts Available

Register three or more people from the same organization, at the same time, for the same course at a reduced rate. Phone 256.824.6010 to register.



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