

We are



Dear Vahid,

February 2024

Process Safety Dispatch

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Process Safety Management Willy Nilly - a logical proposition!



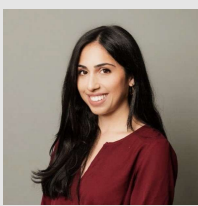
At Stonehouse we help many companies design and implement their **Process Safety Management (PSM)** systems Willy Nilly.

We have **Willy**, who's a technical details person. Willy has a deep understanding of process safety from an engineer's perspective. He knows about flammability, reaction hazards, hazardous area classification, static electricity, dust explosions, and more. He understands the fires, explosions, and accidental chemical release risks associated with processes and operations as well as the need for technical control measures and how to effectively implement them.

Then we have **Nilly**. Nilly is a process person. Nilly understands the big picture, understands the need to focus on organizing people and culture, pulling out the relevant information from those in your company that have it, laboratory test data, standards, planning for emergencies, etc... and putting it all together into a credible and effective Process Safety Management System. Nilly knows how to keep those Willys under control and stop them even entering the rabbit holes of never-ending research. But Willy, of course, knows that Nilly hasn't gotten much idea about cool flames and regression analysis. Willy is proud of his technical knowledge and how this can input to a HAZOP, Fault Tree, or Bow Tie analyses; and he sees his input as essential and can make the difference between a plant that has all the PSM boxes ticked – and one that is continuing to operate safely!

[Read More](#)

Free of Charge, Online Technical Guidance and Advice



Our monthly Process Safety Dispatch Newsletter is part of our attempt to inform and entertain in an easy-to-read style. We aim to offer expert observation and guidance on all things process safety throughout the year. We know it's popular with our clients and those that follow the work of Stonehouse on our journey – because you tell us so!

So now, in 2024, we give you the opportunity to catch up on our most popular Process Safety articles of 2023. For your convenience we have catalogued our greatest hits and provided links to each. We hope you are sometimes amused – and always educated – by our take on the wonderful world of process safety.

Enjoy!

Best wishes,

Yassamine Ebadat
COO, Stonehouse Process Safety Inc.

[Top Ten PS Dispatch Articles](#)

Dust

[Explainers: What is Kst, Pmax...?](#)

[Cases in the News: Powdered Milk Dust Cloud Explosion - Combustible Dust](#)

[Manually Transferring Powders: Explosion Risk Explained](#)

Hazardous Area Classification

[Portable Electronic Devices in Hazardous Locations](#)

[Electrical Area Classification or Hazardous Area Classification](#)

[Hazardous Location Classification: Electrical Equipment in Flammable Atmospheres](#)

Static Electricity

[Explainers: Flammability - Static Electricity on Plastic Sheets and Drums](#)

[Static Electricity Safety: Making Sense of Volume Resistivity, Surface Resistivity, and Charge Decay Time](#)

[Static Electricity Hazards from Splash Filling, Steam Leaks, Spray Washing...](#)

Flammability

[Nitrogen Gas to Prevent Explosions and Fires: Nitrogen Gas as a Killer](#)

[Explosions Associated with Ethanol Production](#)

[What are Flammable and Combustible Liquids?](#)

Transport of Dangerous Goods

[Moving Dangerous Materials!](#)

Process Safety

[What is the Difference Between Process Safety and Occupational Safety and Does it Matter?](#)

[Hierarchy of Controls in Process Safety](#)

[Which Risk Assessment Technique for Me?](#)

Other

[What is the Difference Between a Fire and an Explosion?](#)

[Intrinsic Safety - What It's All About?](#)

[Thermal Reaction Hazards - Your Problem](#)

**Dust Clouds, Liquids & Gases, Static Electricity, Electrical Sparks, Mechanical Sparks
Explosions - Learn all about them!**



Process Safety Training from Stonehouse. Virtual, broadcast live and direct to your PC in two 3-hour segments.

At Stonehouse, we've been helping hundreds of businesses with their process safety consulting and testing needs. We've built decades of cumulative knowledge, and experience - and (we believe) a unique insight into industry's process safety problems and solutions. Everything from dust explosions and static electricity through to hazardous area classification and process safety management. Now it's time to let you benefit directly from this, through a suite of live virtual training courses, complete with video footage, solution methodologies, and case studies.

We hope you can join us on-line starting in January for all our virtual and live, bite-sized training events!

Upcoming Virtual Training Courses

Process Safety Management (PSM) in Practice - February 20 & 21, 2024, 1:00pm-4:00pm EST

As a Process Safety Professional or someone who simply wants to understand Process Safety Management, here's a training course you do not want to miss! The OSHA Process Safety Management (PSM) program, under 29 CFR 1910.119, represents a pivotal framework in industrial safety. PSM is designed to prevent and mitigate major chemical accidents, ensuring the well-being of both workers and the environment. Professionals in this field recognize that thorough knowledge of PSM is paramount for legal compliance, but more importantly, it equips them with the tools and expertise to identify and mitigate potential risks in highly hazardous chemical processes.

This training is delivered in our new live, bite-sized, virtual training format. It guides you to all the answers, providing you with valuable insights into regulatory requirements, risk assessment, emergency response planning, and best practices for ensuring the safe

management of chemical operations. Attending such a course will advance career prospects but most importantly it underscores commitment to creating safer, more responsible industrial environments. For more information and to register, [click here](#).

Exploding Dusts - March 19 & 20, 2024, 1:00pm-4:00pm EST

You've heard it all. NFPA652, Dust Hazards Analysis, DHA, the brand new, game changing NFPA 660 even? You've even been and got a consultant in to do the necessary DHA. But do you want to know what to do next? Are you struggling to apply the DHA recommendations in a practical and cost-effective way? Or perhaps you are even wondering how you will arrange the mandatory revalidation and update of your DHA?

In this virtual training course, we are ready to guide you to all the answers. We'll give you all the basics, tell you about your dust explosion lab results, and what they mean and will lead you to the next steps in your dust fire/ explosion control journey from first-time DHA through to revalidation, including preventing explosions and all the plant protection methods available. For more information and to register, [click here](#).

Explosions - April 23 & 24, 2024, 1:00pm-4:00pm EST

Gases, vapors, aerosols, fibers, dusts and more. We all know they can (and do) explode uncontrollably in industry threatening life, community, and business integrity. Yet, explosions and flash fires can be prevented and controlled.... if you have the knowledge, experience and sometimes ingenuity. Our 'Explosions' course is your key to a safer plant – and peace of mind.

This course takes you from understanding to hazards analysis, to explosion prevention and protection techniques and through to compliance with standards and guidelines. And we do this with copious doses of video and case study material built up from years of practical experiences. For more information and to register, [click here](#).

Static Electricity - May 14 & 15, 2024, 1:00pm-4:00pm EST

Static electricity is a devious subject. Fear not. We have it covered in this neat course designed for those who want to understand how static sparks arise in industry – and what to do to control this most elusive of ignition sources. We walk you through from the basics of the subject to help you understand where it all starts, we enthrall you with new video clips of the subject, filmed in our own labs and we lay out practical options available to control static electricity on your plant. For more information and to register, [click here](#).

Hazardous Area Classification - June 11 & 12, 2024, 1:00pm-4:00pm EST

You've got flammable atmospheres at your facility. You've got electrical equipment at your facility. Better make sure the two never meet – or else make sure that if they do, the electrics cannot cause a fire or explosion. Knowing where your flammable atmospheres are (classifying hazardous areas) is a fundamental requirement of good process safety – important enough to have its own NFPA standards.

In our hazardous area classification course, we aim to have you understanding the requirements of the standards, explain good industrial practice and point you in the right direction to ensure your plant is safe from the fire and explosion hazards presented by electrical equipment. For more information and to register, [click here](#).

For more info & Registration



Expert Consulting

- Dust Explosion Prevention & Mitigation
- Control of Static Electricity
- Hazardous (Electrical) Area Classification
- Process Hazard Analysis
- Process Safety Management
- Fire and Explosion Hazard Assessment
- Incident Investigation
- Organizational Process Safety Competency Assessment

Specialist Laboratory Testing

- Combustible Dust Testing
- Electrostatic Testing
- Self-Heating / Thermal Instability Testing
- Flammability Testing of Gases & Vapors



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