



**BC Forest Safety**

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# PSM Implementation: Research Outcomes and Next Steps

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Prepared By: Kayleigh Rayner Brown,  
MAsc, P.Eng.

Prepared For: Wood Pellet Association of  
Canada (WPAC) and BC Forest Safety  
Council (BCFSC)

# Outline

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- ▶ PSM Research Project (IAW 2) Background and Status
- ▶ Key Outcomes and Findings
- ▶ Key Recommendations
- ▶ Next Steps
- ▶ Discussion and Q&A

# Project Background

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- PSM research project (IAW 2) complete and report released (“Integrating Process Safety Management into Canadian Wood Pellet Facilities that Generate Combustible Wood Dust”)
- Project Objective: Enhance process safety in operations by developing PSM integration tool that serves as foundation for industry-led PSM implementation
- Project used *CSA Z767 Process Safety Management* standard as basis for research, as it is a Canadian standard developed by range of subject matter experts in diverse high-hazard sectors

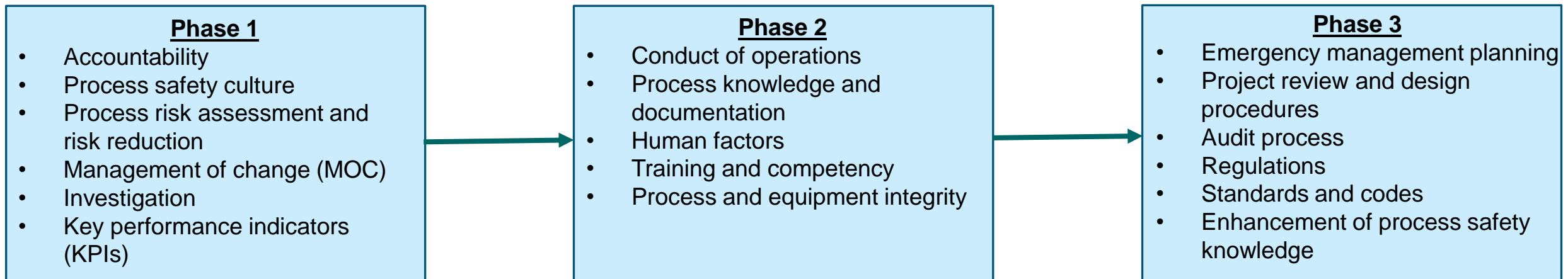
Process Safety Management Elements			
Process safety leadership	Understanding hazards and risks	Risk management	Review and improvement
Accountability	Process knowledge and documentation	Training and competency	Investigation
Regulations, codes, and standards	Project review and design procedures	Management of change	Audits process
Process safety culture	Process risk assessment and risk reduction	Process and equipment integrity	Enhancement of process safety knowledge
Conduct of operations — senior management responsibility	Human factors	Emergency management planning	Key performance indicators

**Table: CSA Z767  
Process Safety  
Management  
standard framework**

# Key Outcomes and Findings

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- Results and Outcomes:
  - Each PSM element in CSA Z767 was present in operations in varying degrees of formalization and completeness.
  - To formalize elements and close gaps, PSM gap analysis tools, industry best-practices, informative factsheets, and an implementation strategy were developed.
  - High-priority PSM elements were identified, and a phased approach to implementation was developed to make the process easier for industry.



# Key Recommendations

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- Undertake proactive implementation of PSM to prepare the industry, as there is the potential for PSM regulations in the future.
  - CSA Z767 PSM standard has been adopted by some authorities
  - Beyond regulatory compliance, PSM provides numerous business benefits, in addition to contributing to loss prevention, including enhancing reputation, reducing costs, and contributing to sustainable growth.
- Establish industry PSM Steering Committee to provide high-level strategic input for PSM implementation (will be heavily supported by WPAC and BCFSC).

# Next Steps

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- We are seeking representatives from plant operations to join PSM Steering Committee
- Who do we need? Representatives from plant operations who can:
  - Support decision-making
  - Provide strategic guidance and feedback
- What are the first steps for the Steering Committee? Project kickoff to:
  - Establish commitment, and formalize role and responsibility of Steering Committee
  - Define vision and scope of project
  - Develop milestones, including short-term targets, and indication for medium-term and long-term goals
  - Identify initial resources to begin project and develop implementation plan.
- Project timeframe: This is a long-term project over approximately 5-7 years that will be planned and resourced accordingly.

# Next Steps

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- Anticipated time commitment: This will vary and be defined by the committee. For example, during the kickoff phase, could involve half-hour meeting every two weeks and could decrease over time during other project phases.
  - The Steering Committee may change over time
- Timeline to indicate availability/interest: End of August (plan to report back out in September Safety Committee meeting)
- How to indicate availability/interest? Have questions? Email:
  - Gord (gord@pellet.org), Bill (blaturnus@bcforestsafe.org), and Kayleigh (kayleigh@obexrisk.com)

# Discussion and Q&A

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Kayleigh Rayner Brown, MAsC, P.Eng.  
Process Safety Specialist, Director  
Obex Risk Ltd.  
208-620 Nine Mile Drive, Bedford, NS  
B4A 0H4



782-640-9555



info@obexrisk.com

## Industrial Safety and Risk Management

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