Process Safety Management Division Meeting

Rastigouche Room, Crowne Plaza, Fredericton, New Brunswick

October 24, 2013, 9:00 – 17:00

Agenda (Draft)

1. Introductions (15 minutes)
2. Review and Approval of minutes from July 30th meeting in Calgary (15 minutes)
3. Review Workplan (60 minutes)

BREAK (15 minutes)

4. Letter to Doug McCutcheon (15 minutes)
5. BC Gas Commission LNG Document – discussion of response (45 minutes)
6. PSM Standard – as a CSA Standard (60 minutes)
   a. CSA participant to describe process
   b. Participants to discuss next steps – Oliverio’s summary of panel discussion from the technical session at the conference on the 23rd
7. PSM Standard – Workshop (60 minutes)
   a. Planning – who does what
   b. Marketing
8. Update of 2004 Risk Assessment Guideline for Municipalities and Industry and/or Risk Based Land-Use Planning Guidelines (30 minutes)
9. Administrative (30 minutes)
   a. Division secretary
   b. Website
10. 2014 Conference (30 minutes)
11. Next Meeting
MINUTES

1. WELCOME
Marcello Oliverio, acting as chair, called the meeting to order and those present introduced themselves. Gord Winkel spoke on a safety moment. Key to incident prevention is regulation, marketing, and design. Roland Anderson introduced Chemical Institute of Canada, future PSM conferences in 2015 and 2017, brief history on MIACC and CSChE. The agenda had two major items: discussion on PSM standard and Risk Assessment guideline. The agenda was then approved as issued.

2. APPROVAL OF MINUTES
There was no approval of minutes at this meeting. Minutes of the previous meeting should be approved together with these minutes at the next meeting on October 24 in Fredericton. There’s a typo in the last meeting minutes; page 3 should read ABSA instead of APSA.

3. WORK PLAN BY KEY RESULT AREA
Note: Work plan item numbers missing below were complete or were not discussed at this meeting.
A. Promote awareness, understanding and use of PSM

A1.3 Minerva Seminar in Edmonton, U of A
Gord Winkel reported that the Minerva seminar on May 24 at UAlberta, Edmonton was well attended.

A1.5 CSChE Conference

2013 conference, Fredericton, NB, October 20-23: John Johnson is the PSM Division lead for this. The official call for papers closed on the website, but can still be accepted via email. Deadline for abstract submission is August 1. It was proposed to have “Lesson Learnt: by someone from insurance company

- 17 papers submitted.
- Workshop on PSM standard (30 min overview)
- Marcello Oliverio will submit a technical paper
- Jack Fraser will get in contact with insurers to give a presentation on Lesson Learnt

A2 PSM “champion”
Della: PSM 4th edition hard copies are distributed to core group (big organizations and associations)
Gerry:
- Every company that handles hazardous chemicals already has 20-60% of standard in place
- If company senses a need, they will come to us for guidance. Market PSM to insurance companies instead.

Marcello:
- Prior to big accidents in Ontario, nobody did Hazard Analysis
- The tool for developed for companies with public exposure versus big companies that are far away
- PSM is part of Responsible Care
- We are voluntary organization. We need dedicated people, government regulations, high-level workshops for government employees.

Roland:
- Create a CSA approved standard worldwide
- Action: approach CSA for infrastructure support, create a standard and get CSA to adopt it
- Action: get in touch with David Thong who is in CSA.

A5 Marketing
Gord Winkel will lead the team in developing Marketing strategy to promote PSM

- Need to understand audience and objective for marketing. Who are we targeting (CEO’s, organizations, groups)? Need a screening protocol and marketing survey as there’s no responsible person and no tracking mechanism in place now
- Skill set value proposition for division
- Move beyond general objective. How PSM become relative to operations? Make PSM to become a benchmark core for organizations to adopt. Organizations will use PSM structure to build own framework.
- Need to prepare a matrix on how this is progressing. Need an audit (tool) to see how many people use the standard today.

B. Influence and encourage a public policy framework that incorporates sound PSM principles

B2 Proactive dialogue with those who establish or influence public policy
It was proposed to have a government workshop of PSM in 2014 January or February in Toronto

- Concept of element
- Examples from past how to reduce chance of injury
- Sub committee to help organize - > Morley
- Government doesn’t want to pay a lot. Need to be held at the right location to reduce cost for government people (federal and provincial)
- Get people from the industry to participate
- Marcello will be Chair

Other options to help promote PSM

- Seminar in BC at a later date
March pressure Conference in Banff
Annual pipeline conference (Calgary/ Banff)

MOC for organizations
- Standard path forward
- National standard of Canada
- Willing to work with CSA on standards committee
- Action: talk to CSA, Morley will follow up with David Guss by spring meeting

Agenda Item 4: PSM standard promotion
- PSM standard published and posted on website
- Protocol published and issued on website
- Implementation of protocol - Need to interview companies and different people to the same questions
- 2nd protocol document – put on web – Morley
- further communication of product – send copy of protocol to Morley

Agenda Item 6: Risk Assessment Guideline Issues
- Land Use within land “donuts”
- High/Low density residential – based on geographical risk (F-N curves)
- MIACC guidelines are simple and easy to communicate
- Who was there first – industry or residential?
- Consent to risk in real estate transaction
- No one assesses risk in the city – Is the house in the city fine?
- Action 2014 – Update land use planning guideline
- Action – Respond back to Doug who proposed double of MIACC units
  - We like your proposal to change MIACC guidelines in 2014
  - We don’t like higher density allowance
  - We should respond to Doug’s letter as a committee
  - Marcello will draft the letter
  - Stay with status quo until further assessment
  - Every X (3-4-5) years committee will revisit
- Action Item – Needs to be a visual organization chart with structure
  - Della Wong volunteers to make visual chart.
  - Risk committee, standards (PSM), web -> Morley will help

Agenda Item 7: Lac Megantic Accident discussion
- General discussion on root causes
- It is a process safety management failure

Agenda Item 8: Administrative
- take over from Shahana
- need to appoint a secretary (besides a recording secretary)
- Website – soft launch “new look” in June, reconfigured from IPhone / IPad
  - some papers were not put back up (some courses and symposiums, no more incident bulletins)
  - Pat Fisher volunteered to be web master

Agenda item 9: PSMD Mission
- more young people/companies to participate
- Critical Organization Renewal – org chart
- Oct AGM meeting
5. OTHER BUSINESS
Roland is attending World Council for Chemical Engineers and addressing issue on Process Safety

6. MEETING SCHEDULE
Fredericton    October 24, 2013 (with CSChE conference)
Overview of CSA Group

- Established in 1919
- Private, not-for-profit
- 1,800 employees

Consumer Product Evaluation

Standards

Product Certification & Testing

North America
  Canada, USA, Mexico

Europe
  Switzerland, Netherlands, Italy, UK, Germany

Middle East
  Turkey

Asia
  China, Korea, Taiwan, India

[World map showing locations and regions covered by CSA Group]
A Trusted Advisor

- 35 offices in 14 countries
- 88,000 customers globally
- CSA mark appears on billions of products worldwide
- 8,000 engaged and committed Members
- 1,300 standards development Technical Committees
- 3,000+ standards in 54 technologies and services
CSA and International Standards

International

ISO
IEC

Canadian Member Body

Standards Council of Canada
Conseil canadien des normes

ULC

Board of Directors
SPB (Governance)
SSC (Strategy)
Committees (Technical)

CSA Group

Input
What is a standard?
• Document used as a rule, guideline or definition
• Voluntary unless made mandatory

What is an accredited, consensus CSA standard?
• Standards Council of Canada (SCC) & American National Standards Institution (ANSI) accreditation
• Consensus-built
• Balanced representation

Who writes CSA standards?
• Technical Committees – expert volunteer members
• CSA does not influence the technical content or write standards
• CSA facilitates the standards development process
CSA’s Consensus Process

- Organized to drive diverse stakeholders to consensus on tough issues
- Accredited by the Standards Council of Canada
- Technical Committee - Balanced Matrix
  - All interest groups have equal access
  - Minority interest groups have a voice
Consensus - How to start the process?

- Process is third-party accredited in both US and Canada
- Built on principles of consensus, democracy, and inclusivity:
  - Balanced Matrix
  - Member selection
  - Public Review
  - Voting
- CSA is a neutral facilitator
- Documents reviewed at minimum every 5 years
- Final product is credible & respected by Governments
- Because inclusive development process is credible
- 18 month development plan
Why do we need standards?

1. Bring clarity to challenging issues and topics

2. Protect health, safety and the environment

3. Promote productivity, consistency and compatibility
Chemical Management

• Chemical Management is paramount within a broad range of CSA Standards

• CSA has developed countless stand-alone standards relating to the use, transportation, hazards and affects of chemicals

• We need expertise to continue to ensure safe effective use of chemicals in our workplace and homes

• Many CSA Standards act as seed documents to ISO standards
Join CSA’s Communities of Interest
• Participate in discussion and network with leading industry professionals across all sectors
• Help identify where standardization gaps exist
• Join standard technical committees
• Apply your knowledge and expertise

https://community.csagroup.org
CSA is a trusted broker
Our process and products help in the attainment of social licence to operate
Government references over 40% of our standards in regulation

Next Steps for PSM as a National Standard of Canada
- Scope out PSM Standard
  - Length
  - Content (analysis of seed document, content contention)
  - Membership Assessment
  - Funding
- Assign committee, start process
Thank You
Merci Beaucoup

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PSM Panel Discussion (September 23, 2013) Summary

1. Background Notes
   - PSMD has produced several PSM products – PSM Standard, PSM Guide, PSM Audit Protocol
   - PSM programs in place in many companies
   - Gap for Canada – PSM programs not in place for many smaller companies or larger companies who use CEPA chemicals in a “side” process
   - Need for broader acceptance and use of PSM as a management system
   - Special need for broader acceptance and use of hazard identification (PHA) and risk assessment

2. PSMD’s marketing of PSM and PSM products
   - General agreement that the PSM management system is a good thing that should be in widespread use in Canada
   - Creating a CSA PSM standard is an excellent path forward
   - Although PSM is a broadly applicable, initially focus on the chemical and allied industries
   - Identifying and understanding risks should be the PSM starting point
   - PSM program needs to have flexibility for “smaller” facilities/companies.

3. Options that PSMD could pursue to meet PSM adoption objectives identified during panel “brainstorming” for further discussion. However, need to make a business case for PSM.
   - CSA PSM Standard
   - Lobby governments to enact PSM regulations
     - An option may be to lobby Environment Canada to include PSM in CEPA S.200.
   - Hire marketing firm/lobbyist
   - Increase lobbying of industry associations
     - Roland already reached out, but maybe a different type of lobbying – e.g., one industry association to another
   - Reach out to municipal associations – make presentation at their conferences
     - Edmonton model??
   - Reach out to companies via the OH&S route, including those who provide training in this area.
   - Product stewardship – lobby chemical producers (who hopefully have PSM programs) to require companies the buy/sell chemicals to, to have PSM programs.
   - Talk to media (e.g., Fifth Estate) for a segment on PSM in Canada
   - Create PSM Certification Program.
     - For facilities/companies. Could have multiple advantages – e.g., insurance, reputation.