



**Process Safety Management Division Minutes**  
**Division Meeting**  
**June 21, 2016, 2016 9:00 – 3:30**  
**TransCanada Pipelines Ltd Building (Room 217)**  
**Calgary, Alberta**

(Members Present: Steve Coe, Jyoti Patel, Hua Deng, *David Guss*, Melanie Wilson, Adrian Pierorazio, Roland Andersson, François Roche, Sylvia Layton, Yves Malouin, Anthony Owolabi, Beverly Perozzo, Brian Kelly, Guy Brouillard, Carl-Cristof Bollmann, Della Wong Fadil Kadhim, Mireille Busque, Steve Coe, Jeff Dancey)  
(Members Teleconference: *Jean-Paul Lacoursiere*, Morley Brownstein, *Manny Marta* Italics – not present for the entire meeting)

1. Welcome and Introductions  
The PSM Chair (Pierorazio) welcomed everyone, and full introductions of all in attendance were made. TransCanada Pipelines were thanked for hosting the meeting. Agreed on the agenda for the day.
2. Minutes of the last Division meeting (February 2016, Toronto). Division had no comments on the meeting minutes that were sent out.
  - Motion to accept minutes -Jyoti Patel
  - Second – Melanie Wilson
  - Carried
3. Process Safety & Loss Management (PSLM) CSChE Conference 2016

Roche provided an update to the upcoming Process Safety & Loss Management (PSLM) CSChE Conference due to occur in Quebec City.

- Call for abstracts was extended, initially the deadline was set for June 13<sup>th</sup>, and the extended deadline was June 20<sup>th</sup>.
- Although there are no current academics that submitted a paper/presenting at this year's conference, Andersson noted an expression of high interest as the current count of abstracts that were submitted climbed to 26
- Roche shared the overall challenge he was experiencing in obtaining key note speakers related to the Quebec government/agencies. The



PSLM division generated great discussions and the following actions were generated:

**ACTION 1:** To connect with a current CEPA representative as a potential speaker **WILSON**

**ACTION 2:** To connect with the IChemE association to seek a potential key note speaker **ANDERSSON**

**ACTION 3:** To become involved in seeking additional contacts as potential speakers and presenters at the conference **KELLY/LACOURSIERE**

**ACTION 4:** Identify session chairs are going to be at the conference, any volunteers can connect with Wilson or Roche **ALL ATTENDING PSLM CONFERENCE**

**ACTION 5:** To provide any guidance documents to Roche and Wilson to highlight the responsibilities and roles of session chairs (e.g. uploading process, presentations, introduction of speakers etc. **ANDERSSON**

**ACTION 6:** It was agreed at the meeting that Lacoursiere will attend and present a paper at the PSLM conference **LACOURSIERE**

Marta has made progress and currently has an Environmental Risk Assessment presentation that he can share at the PSLM Conference. Discussion was generated on the logistical issues of “how” we as a committee can present and distribute this material given that he will not be able to attend. Previous techniques included videotaping. Further discussions were generated on having a few selected PSMD committee members present for the QA period. Based on the discussions, it was concluded that a telephone that has a good sound speaker system is the most efficient way to execute this.

**ACTION 7:** To connect with Payne to provide her with updates on any technical issues or questions relating to executing the sessions **ROCHE/WILSON**

Translation of papers to French was discussed to enable the French speaking audience to have the opportunity to ask questions and fully understand some of the presentations that are presented at the sessions.

**ACTION 8:** To consider having some key presentations to be offered in French and English and/or distributing presentation material in French and English **ROCHE/WILSON**

#### 4. Increasing attendance for the PSLM Technical Sessions



Committee discussed potential avenues on how to increase attendance and general exposure of the importance of PSM and “how to” get the word out about the PSMD initiatives (e.g. new and strong approaches). Suggestions include:

- Taking advantage of integrating with the student program

**ACTION 9:** To draft a letter to department chairs and directors within different associations (Chemical Engineering, CIAC, CIC, IChemE, Universities) to encourage and prompt students and members to become involved in CSChE PSMD activities and also increase the awareness of the PSLM Conferences. **PIERORAZIO/PATEL**

EHAQ is an association where division members are divided out in regions therefore potentially connecting a larger set of individuals that may be interested in PSMD activities (new graduates, current employees to retired individuals)

**ACTION 10:** To translate the drafted letters (from Adrian and Patel) to French for distribution. **BUSQUE**

**ACTION 11:** To connect with Amy Reckling to integrate PSMD activities with their avenues of career path workshops and events. **PIERORAZIO/PATEL**

#### 5. PSLM Conference Re: Student Workshop

Andersson provided an update on the Student workshop on behalf of Jadidian, and Siseilli. Both are confirmed to speak at the student workshop on October 17th, 2016. Both actions that were associated with this topic have been closed.

#### 6. CSA PSM Standard Status Update

Pierorazio provided the status of the CSA PSM Standard. Second public review of standard just closed, and the team are vetting through the final comments. It was discussed that there may be an opportunity for the committee to put together a glossary of terms and definitions as some terms were not included in the CSA Standard, and the definitions that have not been included can be housed with the PSMD committee.

**ACTION 12:** To review the definitions of those terms that were not included in the final CSA PSM Standard **WILSON**



It was also presented by Roche and Lacoursiere that the Land Use Planning Department at the City of Montreal has been very interested in implementing the CSA PSM Standard, and are waiting to for the standard to become finalized for full roll-out.

Date for final CSA PSM Standard is set for the Fall of 2016.

#### 7. UL2984 Status Update

Pierorazio provided an overview of UL 2984. This is an initiative to create a standard to guide regulators in the creation of risk-based frameworks for public health and safety. While some agencies and organizations use risk-based processes based on ISO 31000, this is not directly applicable to intra-jurisdictional/multi-stakeholder situations in which life safety is the goal rather than organizational mission. It was noted at the meeting that AER include ISO 31000 as a means to also include positive risks.

Discussion was generated around a new program that API have formulated: API Site Assessment. There have been benchmarking assessments conducted by API (6-8 “API Assessors”) to conduct site assessments to perform a risk assessment and culture “report card” of a specific site/facility. According to the discussion generated, the initial onset began within refineries (Chevron Refinery as an example). API is apparently expanding these types of assessments to more than just refineries.

#### 8. Regulatory Updates

It was concluded that there were no regulatory updates. All actions relating to the request to TSSA last winter have been closed.

#### 9. Environmental Risk Committee

Marta provided an update to the work he is currently developing in a presentation format, he also presented some gaps related to human health impacts. There was a request for guidance from the PSM group related on how best to deal with the identified gaps. PSMD collectively agreed that immediate need is to develop a consistent and common ERA scoring system, as the human health impact is considered as a separate system.

**ACTION 13:** To continue working towards developing a product that provides a scoring system when conducting an ERA **MARTA**

#### 10. Risk Matrix Sub-committee



Guss provided an update and shared that due to the number of economic changes within the oil and gas industry, this item should be parked and reinstated in the future when time and resources allow for it. The committee agreed with his recommendation.

#### 11. Other activities

Pierorazio provided an overview of other activities that were currently in the pipeline within the PSMD. There were updates and discussion around:

- Andersson mentioned that the CSA Webpage for the PSM Standard is on schedule
- Andersson provided an update that he will place a request to obtain space for an article in the ACCN magazine; probably for early 2017 to highlight the new CSA PSM Std.
- Andersson also mentioned that there isn't a need to contract out a technical science writer, as one is already present within CSCHE.

**ACTION 15:** To request for an article to be included in t ACCN**ANDERSSON**

Pierorazio and Morley provided an update relating to developing the audit guidelines and associated workbook. It was agreed at the meeting that Brownstein would continue this work with a nominal fee of \$1000 from the division funds.

**ACTION 16:** To contract Brownstein to continue the development of the audit guidelines and associated workbook for a nominal fee of \$1000 from the division funds.

**ANDERSSON/PIERORAZIO**

#### 12. Administrative and other action items

The following items during the meeting require follow-up:

**ACTION 17:** To determine the status and update of the 'Waterloo Student Competition'  
**PIERORAZIO**

**ACTION 18:** To determine the status and update of the PSM Award commitment and funding  
**PIERORAZIO**

#### 13. Next Meetings

The following dates and locations were agreed:

- PSMD AGM: Quebec City, Quebec – Monday, October 17, 2016, 17:45 – 18:15
- PSMD Committee, Quebec City, Thursday, October 20, 09:00 – 15:00



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- Winter 2017, Calgary – Week of February 6, 2017
- Spring 2017, Ottawa –Week of June 19, 2017
- CSChE Conference, Edmonton, AB - October 22-25, 2017