



Technical Standards and Safety Authority

Minutes of the Boilers, Pressure Vessels, & Operating Engineers Advisory Council

Friday, November 15, 2024

Minutes of the Boilers, Pressure Vessels, & Operating Engineers Advisory Council meeting for the Technical Standards and Safety Authority (TSSA) held by teleconference at **9:00 a.m.** on Friday, November 15, 2024

Present	
Ryan McLachlan	Greg Black
Mark Lambert (BPVOE AC Chair)	Mohammed Farooqi
John Milton	Yan Huang
Randy Purves	Ralf Klopff
Brian Taylor	Ronald Morrison
Jason Brimble	Justin Awoyomi
David Little	
TSSA	
Alexandra Campbell	Viola Dessanti
Frank Pallotta	Ajay Raval
Kim Semper	Glen Lang
Shaun Montano	Chalin Fernando
Mohammed Kareem	Iuliana Afanase
Kristian Kennedy	
Guests	
Derek Petri (EDAC)	Antonella Di Padre (YRDSB)
Regrets	
Justin Clappison	Mario Gogic
Fred Oliver	Alt: Frank Zhang
Hillar Prits	Peter Michieli
Alt: Kerry Johnston	Jamie Webb
Konstadin Dino Kantzavelos (Canadian Fabricare Association)	Ryan Jones

Action Items

There were no action items at the last meeting.

1. Constitution of Meeting

1.1. Safety Moment

The Chair delivered a Safety Moment on standard operating procedures for plant operators.



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2. Adoption of the Agenda

- 2.1.** The agenda was adopted as presented. It was noted that there are guests attending representing owners for agenda item #5, including Antonella Di Padre from York Regional School Board, responsible for compliance with the Boilers and Pressure Vessel regulation.

3. Approval of Minutes

- 3.1.** The council approved the minutes as presented.

4. Council Administration

- 4.1.** Membership Renewal – Mark Lambert
The Chair renewed his membership.

5. Boilers & Pressure Vessels: Inspection Data Collection Update

V. Dessanti provided an update on the process to collection inspection data for BPVs to bring the devices into the same data-collection category as other devices regulated under the Technical Standards and Safety Act. She noted that TSSA took feedback from the plenary session and would like to further engage on the project at this meeting. She spoke to next steps, including an opportunity for user testing prior to go-live.

A. Di Padre asked where she would find the twenty non-compliances. V. Dessanti explained that they are enumerated in the PowerPoint presentation on the following slide and will be communicated widely to owners of devices.

G. Black asked if all registered devices are on an annual inspection cycle. He considers some safety tasks that should not remain unresolved over a long period. If not, can safety tasks sit dormant over a longer period? Boilers are on one-, two- or three-year cycles depending on the code, V. Dessanti explained. Inspectors may not have the opportunity to revisit the site until a three-year period has elapsed. Safety tasks in the portal can be resolved at any time. TSSA does not prescribe how and when to resolve safety tasks, it is simply that TSSA does not need it resolved until the next inspection cycle. V. Dessanti and S. Montano added that insurers can mandate a timeline for safety tasks as they



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are taking on the insurance risk. If any safety tasks should be categorized as orders, she recommended the advisory council identify them.

D. Little asked if the owner required to submit in a certain number of days if the insurer fails the ROI. V. Dessanti said the requirement to report is set out in the regulation. D. Little indicated that a few months could elapse before reporting happens. V. Dessanti suggested the change would be more involved and may require regulation change. He advised that some safety tasks need to be added to the orders, notably pressure retaining items that are improperly repaired, have material flaws or are inoperable.

Y. Huang commented that he agrees with D. Little about improper repair as it could affect safe operation. Same with corrosion and cracks. The most common violation is safety device calibrations or servicing, but he noticed it is not present on the list.

J. Awoyomi noted that some orders do not have an immediate shutdown order. When they are issued on the TSSA side, the resolution of the orders is followed up on by TSSA. He raised this at the plenary session. V. Dessanti said any of the eight orders highlighted in yellow automatically trigger a shutdown order. There will be a mechanism to validate that devices that are supposed to be shutdown will be shutdown. The requirements do not change, only the reporting changes. He asked what the platform is to provide input on recommendations. V. Dessanti and K. Kennedy stated that feedback can go directly to C. Fernando.

Action: I. Afanase to share C. Fernando's email contact information with the advisory council.

A. Di Padre noted that she sees infractions on pressure relief valves that need to be tested every two or six years. Would these falls under shutdowns? S. Montano clarified they would not force shutdowns. She also asked how certificates are being received. R. Klopf replied that the owner provides the first inspection through TSSA. After that the insurance companies take over.

R. Klopf asked about unattended plants with deficiencies. He wanted to know if this has been incorporated into the process. S. Montano indicated that it is not part of the project's scope.



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J. Brimble asked if owners could get visibility into non-compliances, especially for safety tasks. V. Dessanti noted all information is available on the TSSA portal and the status of safety orders are visible there.

M. Farooqi, representing petrochemical industry, asked for guidance about inoperable safety relief devices. Interpretation and experienced knowledge are required: How would an inspection determine that?

S. Montano said that it would be determined through a back-and-forth between the site and the inspector. S. Montano elaborated that the aim is not to increase shutdowns, but to increase reporting. He followed up asking about the practicalities of shutdowns. S. Montano suggested alternate arrangements to avoid shutdowns and to keep a site operating would be considered.

G. Black asked if there is follow up with the contractor who performed the improper repair or alteration. K. Semper clarified that there would be follow-up with the contractor.

6. Chair's Update

He noted that there was a consultation on CSA B56, a new standard for plant-ratings. He also spoke about the IPE conference, noting TSSA and IPE are collaborating on a restricted chief's list.

G. Lang noted there will be a second opportunity for recommendations on B56, probably in the new year.

7. Engineering Service Level Agreements

A. Raval introduced the topic with context about engineering process pain-points. He noted an end-to-end review of the TSSA engineering customer journey is underway. He asked that the council think about the numbers TSSA is presenting. F. Pallotta spoke to:

- Standardized Work Status and Completion
- Pre-requisites for Applications
- On-Hold Standards
- Expedited Requests



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The Chair asked if a dashboard can be used so that a customer can identify where they are in the process. F. Pallotta replied that some sort of status to applicants is something TSSA is looking into. The precise channel has not yet been established; it may be the portal it may be something else.

J. Brimble noted that tracking applications in organizations with high turnover can result in challenges, especially where email communications are the main means of communication. He agrees a dashboard would be helpful. M. Farooqi asked for clarification of the categories of review, namely technical and engineering review. F. Pallotta explained the difference and S. Montano provided BPV-specific considerations. M. Farooqi requested consideration of factors specific to the petrochemical sector for changes to the expedited service timeline.

J. Brimble on turnaround times suggested a 30-calendar day turnaround is reasonable if there is a robust expedited process to move things along quickly. M. Farooqi added that such flexibility is helpful.

D. Little echoed the comments. He agrees that applications not responded to in 28 days should be closed. He agrees on shortened turnaround times for expedited service. B. Taylor shared that a 30-day turnaround is reasonable if the communication process is transparent along the way.

8. Risk Score Follow-up

V. Dessanti explained that TSSA is rolling out a new model for periodic inspections to better leverage regulatory tools to focus on high-risk areas. The model for operating plants is being revised.

The Chair asserted that data collected is often not data collected from users and can be manipulated to produce desired results. He asked if the project was open to consultation so there was transparent input on the data collected. V. Dessanti said data is collected from TSSA inspectors and engineers. Most data come from the inspection checklist as well as incidents reported. R. Klop asked if the template can be shared for risk scores. V. Dessanti said it is based on machine-learning and it would be difficult for customers to replicate. She offered instead to share the principles and methodology.

Action: V. Dessanti to share targeted information via upcoming advisory council meetings.



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J. Brimble asked if TSSA has looked at what other jurisdictions have accomplished. V. Dessanti explained that Technical Safety B.C. has a similar data-driven approach. She believes the Technical Safety Authority of Saskatchewan does as well. She emphasized that at the end of the day this is about prioritizing periodic inspections.

9. Industry Prioritization Discussion

9.1. Recap of Priorities

K. Semper provided a recap of priorities and agenda items raised at previous meetings.

9.2. New Priorities

9.2.1. J. Awoyomi: Request for UID/First Inspection/Turnaround Time

J. Awoyomi asked about the timeframe to reduce backlogs and is there a move toward a turnaround time.

K. Semper said TSSA is looking at the whole UID flow to establish a turnaround time. TSSA will work with insurers to land on an agreed turnaround time. When a UID form is not submitted, the instance will be treated differently.

R. Klopf asked if TSSA can provide a user guide for the UID and COI inspections so that there is no confusion. What is happening, especially in the educational sector, is that there is a poor understanding of the process. K. Semper said TSSA will take the suggestion away.

9.2.2. J. Awoyomi: Agricultural Exemption Agenda Item

The five-year mark is approaching for the reporting deadline. He asked if an extension will be granted. If not, first inspection compliance considerations will be needed to minimize stress on owners. A. Raval noted that this is very much on TSSA's radar. For Year 3 of TSSA's Strategic Plan, there is an initiative to focus on these devices, to onboard them and to locate non-reported devices. S. Montano explained that insurers should inform agricultural customers that they are the insurers of their devices otherwise the link to TSSA is not present.



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9.2.3. J. Awoyomi & Y. Huang: Notification Letters for Expiring COIs

Revising the language for notification letters was a priority for the insurer working group. He wanted to make sure this item did not fall through the cracks. R. Klopf asked what the follow-up is from TSSA when these letters are circulated. S. Montano suggested TSSA can provide information on data related to his request.

Action: TSSA to share information on Expiring COIs with the insurer working group. (S. Montano)

9.2.4. Y. Huang: COIs for Autoclaves and Deaerators

Y. Huang proposed a review to check the TSSA database for corrections to reflect the code adoption document for inspection frequencies. TSSA issued the Certificate of Inspection for autoclaves and deaerators for three years. Insurers contacted the owners for yearly periodic inspection, but owners said they had the valid certificates. S. Montano advised that this might be a data glitch. He asked Y. Huang to send the relevant UIDs.

9.2.5. Y. Huang: TSSA Notices to Owners

TSSA notices to the owners have caused consternation among owners. They are pushing the insurers for rush inspection, resulting in the significant stresses to every party involved. It is prompting rush inspections. He advised caution with respect to communications. K. Semper said TSSA would look to these suggestions to improve upon communications in the future.

Action: K. Semper to review Y. Huang's Notices to Owners advice for future communications/messaging improvements.

10. Adjournment

10.1. The meeting adjourned at approximately 11:28 AM.