



**ICC 825 Private Sewage Disposal Systems
Standard Consensus Committee (IS-PSDS)**

Meeting #11 Minutes – February 13, 2024

The eleventh meeting of the ICC 825 Private Sewage Disposal Systems Standard Consensus Committee (IS-PSDS) was held on February 13, 2024, in virtual format. The meeting was conducted in accordance with ICC’s Consensus Procedures. https://www.iccsafe.org/wp-content/uploads/ICC-Consensus-Procedures-ANSI-approved-8_2_21-BOD-apprvd-8_27_21.pdf

1. Welcome –Chairman, Shaun May, convened the meeting and welcomed attendees at 3:10 CST (4:09pm EST) * along with Staff Secretariat, Ramiro Mata. Mata reviewed the ICC Code of Ethics and the Anti-Trust Policy, both of which can be found in the ICC 825 webpage. Mata also announced that the meeting will be recorded for internal reference only and that recording by anyone other than ICC staff is prohibited.
**NOTE: Working group sessions were held from 1pm – 3pm CST (2pm – 4pm EST). Unless the committee to change, future meetings will follow this format.*
2. Roll Call and Committee Introductions – May called the meeting to order, and Mata took roll call of committee members – indicates present.

Regulator		User		Manufacturer		SDO/Test Lab	
<input checked="" type="checkbox"/>	Shaun May	<input checked="" type="checkbox"/>	Esber Andiroglu PhD, PE	<input type="checkbox"/>	Bob Carpenter	<input checked="" type="checkbox"/>	Derek DeLand
<input checked="" type="checkbox"/>	Peter McLennan	<input type="checkbox"/>	Tunzyaan Griffin	<input type="checkbox"/>	Jonathan Kaiser		
		<input type="checkbox"/>	Albert (Bob) Rubin PhD	<input type="checkbox"/>	Ray Kennedy		

3. Interested Parties and Guests
 - a. Interested Parties – Austin Perry, Jim Richardson, Paula Kehoe
 - b. ICC Staff – Tom Roberts
4. Membership and Quorum – Mata indicated that with only 4 members present, quorum was not met.
 - a. Membership Update –
 - i. Dr. Andiroglu stated he has been in contact with Galo Pacheco from Miami-Dade County as a potential replacement for Carlos Hernandez.
 - i. Paula Kehoe with the San Francisco Public Utilities Commission plans to apply for committee membership.
 - ii. Mata will be contacting Louis Herrin III from the Texas Commission on Environmental Quality to gauge interest as a committee member.
5. Review of Project Outline – Approval of outline tabled due to lack of quorum
6. Review of Project Timeline – The committee reviewed the draft project timeline. There was discussion that the March 2024 deadline for the initial working group drafts may be too

ambitious especially for Working Group 2. Mata reiterated that the timelines are intended to be target goals and that the committee can adjust as necessary based on the progress.

7. University of Miami Research Update –

- a. Perry gave a presentation entitled ‘ICC 825 Environmental Impacts’ focusing on the research of Dr. James Hughes, Technical Director for Climate and Resilience at Tonkin and Taylor and the University of Auckland to study the impacts of climate change on various wastewater system elements. Dr. Hughes found that geography is a major factor in determining the appropriate type of wastewater system and that regardless of the environmental hazard the impact to wastewater systems are as follows:
 - i. Decreased performance of wastewater system components
 - ii. Increased risk of wastewater overflows
 - iii. Worsened water quality
 - iv. Implications for public health
 - v. Economic Performance Impacts
- b. Direct Effect vs. Cascade Effects – Perry provide examples of hazards along with direct and cascade impacts.
- c. Resiliency – Discussed the importance of identifying hazards to mitigate because not all hazards can be mitigated.
- d. Impact Themes – Presented examples of climate hazards such as increased rainfall or droughts and their implications on the wastewater system.

8. Working Group Updates –

- a. WG 1 Open Defecation/Unimproved Systems (Perry) –
 - i. Working Group 1 continued its discussions on the meaning and purpose of a preface for ICC 825 standards, focusing on contextualizing standards for communities contending with open defecation or inadequate sanitation.
 - ii. The meeting emphasized priorities, goals, objectives, and methodologies for the preface. Key considerations highlighted were public health, stressing its impact on community well-being, clean water and sanitation as fundamental components, environmental protections recognizing the link between sanitation and ecological sustainability, and sustainable development for long-term benefits. WG1 emphasized incorporating these elements into the preface to provide a comprehensive understanding of the standards' global implications.
 - iii. Significant progress has been made in shaping a preface that prioritizes public health, clean water, sanitation, environmental protections, and sustainable development.
- b. WG 2 Improved/Limited Systems (DeLand) –
 - i. DeLand shared a proposed draft of the Limited Systems outline and used it as the agenda for the meeting. Much of the draft was based on the 2021 International Private Sewage Disposal Code. The discussion centered around the United Nations requirements:
 1. Access – The importance of access to OWTS and how it differs from limited to improved facilities.
 2. Collection of Waste/Septic Tanks – Proper sizing, design, capacity, and installation. Kennedy explained how each of these must be considered

based on the site, the needs of the occupants and availability of funding.

3. Holding Tanks – Kennedy led the discussion on sizing, approvals construction and materials.
4. Pit Latrines – Discussed chapter 10 of the IPSDC regarding design, construction, materials, isolation from ground water. Considered how and where to reference pit latrines in the standard.
5. Cesspools – Acknowledged that these systems are still in use. Discussed how to incorporate it into the standard or as a separate guide/appendix.
6. Disposal – How to safely manage the waste and minimize human contact with it.
7. Advanced management – Using water reuse techniques that can be applied.

9. New Action Items

- a. Send letter ballots to approve (Mata)
 - i. Meeting minutes from December 12, 2023
 - ii. Meeting agenda for January 9, 2024
 - iii. Meeting minutes from January 9, 2024
 - iv. Meeting agenda for February 13, 2024
 - v. Draft Standard outline
- b. Review Septic and Holding Tank sections of WG2 draft (Kennedy)

10. New Business – None

11. Old Business –

- a. Septic Tank Data (Kennedy) – Tabled

12. Next meeting – March 12, 2024

- c. Working Groups at 1pm – 3pm Central (2pm – 4pm Eastern)
- d. Full Committee at 3pm – 5pm Central (4pm – 6pm Eastern)

13. Meeting adjourned at 4:56 CST (5:56pm EST)