



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

**Meeting #9 Minutes – December 12, 2023**

The ninth meeting of the ICC 825 Private Sewage Disposal Systems Standard Consensus Committee (IS-PSDS) was held on December 12, 2023, 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](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 1:03 CDT (2:03pm EDT) 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.
2. Roll Call and Committee Introductions – DeLand called the meeting to order, and Mata took roll call of committee members –  indicates present.
3. Interested Parties – Austin Perry, Jim Richardson and Mathew Lippincott. Mr. Lippincott, consultant from the University of Michigan, gave a short introduction as a first-time attendee and new Interested Party member.

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

4. Membership and Quorum – Mata indicated that with 7 members present, quorum was met.
  - a. Membership Update – May discussed the engagement and participation of members in the group. Parisi and Lexvold have dropped out, and efforts are being made to recruit replacements. The group is at a critical moment where specialized knowledge is needed to shape the standard, and everyone's contribution is appreciated.
  - b. Dr. Andiroglu is working on getting a representative from Miami-Dade County to replace Carlos Hernandez.
5. Approval of meeting minutes – Motion by Andiroglu to approve all, seconded by DeLand. Motion carried.
  - a. From September 12, 2023
  - b. From October 3, 2023
  - c. From November 14, 2023
6. Approval of meeting agenda – Motion by DeLand, seconded by Griffin. Motion carried.

## 7. Title and Scope

The committee debated whether to use 'facilities' or 'systems' in their title instead of systems. There was also discussion about keeping an exclusionary sentence in the scope that precludes certain types of buildings from being included. Some attendees expressed concern over using facilities as it implies a physical space rather than processes.

- a. Title - ICC 825 Standard for Residential Onsite Wastewater Treatment Systems
- b. Purpose - (why we are creating this standard, what has been missed, public health) The intent of this standard is to provide minimum requirements for those involved in the design, construction, installation, enforcement, operation, and maintenance of Onsite Wastewater Treatment Systems, while improving the efficacy of OWTS through innovative technologies and strategies for the treatment, dispersal, reclamation, and reuse or disposal of domestic wastewater that are resilient to factors that negatively impact the performance of OWTS.
- c. Scope  
This standard establishes minimum requirements for onsite wastewater treatment systems (OWTS) to provide a reasonable level of safety, health, property protection and general welfare by regulating the design, construction, installation, quality of materials, location, operation, and maintenance where connection to public utilities are not available or not required. This standard does not include onsite commercial and industrial sanitary treatment systems.

## 8. Project Outline –

- a. The committee reviewed the draft and elected to replace the tiered level of management under the Improved 'Limited' system with the same categories under the Improved 'Basic' system.
- b. There was much discussion around the terms 'Limited' and 'Basic' and whether 'Limited' maybe more to do with the management or maybe it has to do with the type of treatment and setting parameters around them.
- c. Dr. Rubin mentioned that many states still permit pit privies, which are very primitive disposal technologies.
- d. It was suggested to consider composting toilets or disposal/dispersal type systems as well and putting them into an appendix format since they're not common practices. May agreed with this suggestion but also raised concerns about whether composting toilets belong under unimproved or improved categories.
- e. Mata suggested that open defecation and unimproved systems should be acknowledged in an appendix, while improved systems should be included in the body of the standard. It might avoid giving a sense of condemnation for those primitive systems and instead focus on improving conditions for people.

## 9. Project Timeline –

Mata presented a draft timeline for the committee to review. He added that the dates on the timeline needed to reflect the goal of publishing by March of 2025 to meet the deadline for inclusion into the 2027 IPSDC.

## 10. Research Update

- a. Perry reported on their progress since their last meeting, including finishing a report on socioeconomic and environmental constraints related to open defecation of

unimproved systems. He also mentioned two abstracts they have created regarding open defecation and unimproved systems, which they hope to expand upon with feedback from others.

- b. Dr. Andiroglu discussed expanding research work on defining vulnerabilities based on climate change impacts as well as bringing solutions to those vulnerabilities by documenting all findings by year-end 2021 so that committee members can contribute inputting details into various sections while identifying missing knowledge areas along the way through ongoing dialog or feedback between researcher's and committee's work.

#### 11. Working Group Updates

- a. Breakout sessions – Mata demonstrated how he was able to create ‘rooms’ within MS Teams for the working groups to meet and assigned attendees to each one as a test. The technology seemed to work but DeLand asked if screens can be shared while in the breakout rooms.
- b. Dr. Andiroglu suggested each working group send out an agenda prior to the meeting to facilitate the task.
- c. Mata will send out the rosters to the working group members and chairs.
- d. Working Group 1 Update – Perry (Chair)  
May reported on work group one's progress in taking open defecation and unimproved into appendix format, including primary protection factors such as proper separation from drinking water sources, avoiding areas of high human or animal traffic factors, etc. Austin sent drafts of socioeconomic and environmental constraints as well as two abstracts.
- e. Working Group 2 Update –
  - i. DeLand reported that there were no updates since they haven't met again yet but plans to revisit their draft document sections with Perry's flow chart in mind during their next meeting. He encouraged everyone to use the chart but not feel handcuffed by it when adapting it to fit their needs better.
  - ii. Members are encouraged to come up with ideas and thoughts before the next meeting in January regarding the definition of ‘Limited’ and ‘Basic’ category. Also, to determine parameters for management tiers or type of treatment.

#### 12. New Business

- a. The committee voted to use the first two hours for working group meetings, with the remaining time used for the normal full committee meeting beginning with the January 9<sup>th</sup> meeting.

#### 13. Action Items –

- a. Septic Tank Data - Kennedy
- b. Send working group rosters to chairs and members – Mata
- c. Determine how to share screens during breakout sessions – Mata
- d. Send OWTS Access Flow chart to Mata - Perry

#### 14. Next meeting – January 9, 2024

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

#### 15. Meeting adjourned at 3:34 Central (4:34pm Eastern)