



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

**Meeting 24 Minutes**

**March 4, 2025**

Meeting 24 of the ICC 825 Private Sewage Disposal Systems Standard Consensus Committee (IS-PSDS) was held on March 4, 2025, 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 (4:10pm 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 elects otherwise, future meetings will follow this format.*
2. Roll Call and Committee Introductions – DeLand 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 type="checkbox"/>	Esber Andiroglu PhD, PE	<input checked="" type="checkbox"/>	Bob Carpenter	<input checked="" type="checkbox"/>	Derek DeLand
<input type="checkbox"/>	Paula Kehoe	<input type="checkbox"/>	Tunzyaan Griffin	<input type="checkbox"/>	Ray Kennedy		
<input type="checkbox"/>	Rashid Istambouli	<input checked="" type="checkbox"/>	Albert (Bob) Rubin PhD	<input checked="" type="checkbox"/>	Charlotte Peele		
<input checked="" type="checkbox"/>	Bronwyn Humpries						

3. Interested Parties and Guests
  - a. Interested Parties – Austin Perry
  - b. ICC Staff – Tom Roberts
4. Quorum and Membership Review –
  - a. Mata announced that with six out of eleven members in attendance, quorum was achieved. Louise Weaver is standing in for Bronwyn Humphries.
  - b. Mata reported that Markus Lenger’s application for committee membership will be reviewed by the ICC Board at their April Board meeting.
5. Review and Approval of March 4, 2025 Agenda – Motion by DeLand, seconded by Weaver, motion carried.
6. Review and Approval of February 4, 2025 Minutes– Motion by May, seconded by DeLand, motion carried.
7. Project Outline –
  - a. Mata presented the standard working draft to show that it is beginning to take shape with language from the septic and holding tank sections being added as well as the preface and

introduction. An extensive discussion about the scope of the current standard and potential future work took place.

- b. It was reaffirmed that the current standard focuses on residential systems and does not cover commercial or industrial applications or detailed septage management.
  - c. The need for future standards on topics like maintenance, septage land application, and management of alternative toilet systems was discussed.
  - d. A disciplined focus on the current scope will be maintained while noting areas for potential future expansion.
  - e. May sent language for the mounds section to Mata to be added to the standard working draft.
8. Project Timeline – The committee briefly discussed the timeline dated January 7, 2025 and agreed that it is still accurate.
9. University of Miami Research – Perry talked about a research proposal they are working on which will provide background on socioeconomic and environmental constraints related to on-site wastewater systems.
10. Working Group Updates –
- a. Conventional Soil Absorption – Mata attended today’s meeting and took the following notes:
    - i. The working group focused on determining soil absorption rates and estimating daily sewage flow for conventional soil absorption systems.
    - ii. Derek presented a hybrid table combining percolation rates and soil classification methods, which includes hydraulic loading rates based on soil texture, structure, and corresponding percolation rates.
    - iii. The importance of considering both soil texture and structure when determining loading rates was discussed, noting that many practitioners historically focused only on texture, but structure is crucial for proper system performance.
    - iv. Shawn presented two approaches to estimate daily sewage flow: the US EPA method based on bedrooms as a proxy for occupancy, and a WHO standard based on water supply type.
    - v. The limitations of the EPA approach were considered, particularly its use of outdated water usage data from the 1970s, and how to account for differences in household sizes and water usage patterns globally.
    - vi. The group leaned towards using the EPA method with updated data for areas with on-premise water supply while incorporating a reduced sizing option for areas where water must be carried in.
    - vii. Excavation depth requirements were agreed upon, specifying that systems must be excavated to the approved infiltrative layer based on the soil evaluation. The rationale for requiring a slight slope in distribution pipes was discussed, concluding that it helps ensure even distribution.
    - viii. Seepage pits were kept as an option with cautionary language about their limitations, despite not being preferred.
    - ix. A lack of universal standards for geotextile fabrics used as trench covers was noted, and the group will attempt to provide some basic criteria.
    - x. The working group also met on February 19, 2025. Initial draft is still expected to be completed by end of March 2025. May requested that a meeting be held prior to the next committee meeting to wrap it up.
  - b. Pressure Distribution – Derry reported that work is in progress.
  - c. Mounds Systems – May sent a draft to Mata to be integrated into the standard working draft.
  - d. Other OWTS – Weaver reported the following:

- i. Discussed their work related to composting toilets and other alternative systems.
- ii. Standards and regulations for composting toilets, urine diversion systems, and incinerating toilets are being examined.
- iii. Issues around the management and use of end products from composting toilets are being grappled with, as regulations vary widely.
- iv. Existing product standards will likely be referenced where possible, and general guidance on system selection and use will be provided.

11. Review of Action Items –

- a. Work with DeLand to set up a Doodle poll for scheduling an additional meeting of the Schedule Soil Absorption WG meeting prior to March 4<sup>th</sup> committee meeting – Completed. Meeting was held on February 19<sup>th</sup>.
- b. Begin working on Pressure Distribution Systems section- Kennedy – In Process.
- c. Begin working on OWTS systems – Humphries – In process
- d. Move forward with the addition of Lenger to the committee – Mata – In Process

12. New Action Items

- a. Update preface – Perry
- b. Schedule additional Conventional Soil Absorption working group meeting – May

13. New Business – None

14. Old Business - None

15. Next Meeting – April 8, 2025

(Note: WG meetings to be held concurrently, 1pm – 3pm Central (2pm – 4pm Eastern))

- a. **Pressure Distribution WG Meeting**
- b. **Conventional Absorption Systems WG Meeting**
- c. Full Committee Meeting: 3pm – 5pm Central (4pm – 6pm Eastern)

16. Moved to Adjourn at 4:42pm CST (5:42pm EST) Moved by DeLand, seconded by Carpenter. Motion carried.