



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

**Meeting 26 Minutes**

**May 6, 2025**

Meeting 26 of the ICC 825 Private Sewage Disposal Systems Standard Consensus Committee (IS-PSDS) was held on May 6, 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 publicly accessible 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 checked="" type="checkbox"/>	Esber Andiroglu PhD, PE	<input type="checkbox"/>	Bob Carpenter	<input checked="" type="checkbox"/>	Derek DeLand
<input type="checkbox"/>	Paula Kehoe	<input checked="" type="checkbox"/>	Tunzyaan Griffin	<input checked="" 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, Kevin Kalakay, Louise Weaver
  - b. ICC Staff – None
4. Quorum and Membership Review –
  - a. Mata announced that with eight members in attendance, quorum was achieved.
  - b. Mata reported that the ICC Board approved Markus Lenger's application to serve on ICC 825.
5. Review and Approval of April 8, 2025 and May 6, 2025 Agenda – Motion by DeLand, seconded by Rubin
6. Review and Approval of March 4, 2025 and April 8, 2025 Minutes– Motion by DeLand, seconded by Humpries
7. Project Outline – May suggested meeting with DeLand and Mata to review the outline to make sure the OWTS content is aligned with the outline.
8. Project Timeline –

- a. The project timeline was discussed, with a target publication date set for the first quarter of 2026.
  - b. The importance of peer review and international feedback was emphasized. May mentioned that the Definitions draft would probably need to be pushed to July since it is dependent on completion of the other sections.
  - c. Additionally, he is concerned about the work each working group can undertake. DeLand proposed sharing the work among several working group that can work concurrently.
9. University of Miami Research (Perry)
- a. Looking at standards that could potentially be referenced. Will send a list to Mata for distribution to the committee.
  - b. Still looking for comments on the draft preface.
  - c. Andiroglu reminded the group to review the Florida Septic System Plume Study that he had shared with the Pressure Distribution working group.
10. Working Group Updates –
- a. Conventional Soil Absorption (May)
    - i. Thanked DeLand on his efforts to develop the soil loading rates.
    - ii. Had an additional meeting to discuss system sizing with regard to estimated sewage flow. Drafted three sizing methodologies – by living area, number of bedrooms and number of occupants. The idea is to use the method that produces the most conservative estimate.
    - iii. Increased sizing estimate from 100 gallons to 120 gallons for each additional bedroom to align with sizing estimates already in use in the US and provide additional safety factor.
  - b. Pressure Distribution and Mounds Systems (Kennedy)
    - i. The working group met earlier today and went through the Pressure Distribution section of the 2021 IPSDC and mentioned that Pressure Distribution and Mounds Systems go hand in hand with only difference being a lifting system.
    - ii. The discussion focused on the design and implementation of pressure distribution systems in various geographical areas.
    - iii. Highlighted the importance of the 37-page report on pressure mound systems from Michigan DEQ, particularly the section on pressure distribution. The report's applicability to different regions, especially Florida, was questioned.
    - iv. Alternative pumping methods in areas without electricity, such as mechanical hand pumps or gravity-based systems, were considered.
    - v. The dosing frequency of no more than four times a day was agreed upon.
    - vi. The necessity of a dosing volume at least ten times the capacity of the distribution pipe volume for system cleansing was noted.
  - c. Pit Latrines (DeLand) – Will review the draft and determine if any revisions are needed. Will schedule a separate discussion with May.
  - d. Other OWTS (Humphries)
    - i. Mentioned the six OWTS from the original brainstorming session and that some who've been assigned have dropped off. Will work with Weaver to reconnect with the group and see who is still willing to participate.
    - ii. Would like to prioritize OWTS #5 - Source Separation or waterless options and #6 – Water Reuse. Will reconnect with Andiroglu, Perry and Lippincott to discuss further.
    - iii. Plans to utilize existing OWTS standards from various countries so that users for ICC 825 are able to determine which one is the most appropriate for their area.
11. Review of Action Items –
- a. Send materials on pressure distribution and pressure distribution integrated with mound systems to the committee for review. – **Kennedy (Completed)**

- b. Schedule meeting for the soil absorption group in around two weeks, avoiding Fridays to accommodate international participants. – **May (Completed)**
- c. Coordinate with Humphries to schedule a meeting with the OTWS working group members – **Weaver (In Process)**
- d. Send a list of potential standards to reference – **Perry (Completed)**
- e. Follow up on Lenger committee application – **Mata (Completed)**

12. New Action Items

- a. Send Appendix A and B documents related to pressure distribution systems to Kennedy/Derry - **Mata**
- b. Send the estimated daily sewage flow sizing information to Ray for incorporation into pressure distribution/mound system design - **May**
- c. Connect with Andiroglu and Perry regarding alignment and scope of "other treatment systems" approach - **Humphries**
- d. Create and populate a table of currently available standards for different countries/regions to reference for waterless options and reuse systems with input from Humphries - **Weaver**
- e. Review and clean up the pit latrine treatment section documentation to prepare it for completion - **DeLand**
- f. Create detailed schematic drawings showing pressure distribution system components and provide example calculations for a three-bedroom home design with input from Derry - **Kennedy**
- g. Schedule a 30-minute check-in meeting with DeLand to finalize the conventional soil absorption system documentation - **May**

13. New Business – Mata announced his retirement, his final day being May 30, 2025. Interim secretariat will be announced by the next meeting.

14. Old Business - None

15. Next Meeting – June 5, 2025

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

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

16. Moved to Adjourn at 4:20pm CST (5:20pm EDT) Moved by Rubin, seconded by DeLand. Motion carried.