

Cesspool Conversion Implementation Working Group (CCIWG)

Meeting

Revisions to Hawai'i Administrative Rules, Title 11, Chapter 62 (HAR 11-62)

April 8, 2026, 8:00 – 11:00 AM

Hawai'i State Department of Health

2827 Waimano Home Rd., Pearl City, HI 96782

EMD Conference Room, 2nd Floor, Hale Ola Building

Microsoft Teams meeting

Join: <https://teams.microsoft.com/meet/278300432716928?p=8sHS9U5lz6Zh3mxfMM>

Meeting ID: 278 300 432 716 928

Passcode: gp2rR2N2

Meeting #2 Minutes:

1. Assembly/short introductions/opening remarks (Maureen)
2. Overall Goal & Roles: (Jon)
 - a. Cesspool Conversions
 - b. CCIWG
 - c. HAR 11-62 Revisions
 - d. Recommendation/SWOT form
3. HAR 11-62 Revisions – How to Accomplish: (Maureen)
 - a. Use Recommendation/SWOT form:
 - i. 1 form/recommendation
 - b. Meeting #2 and beyond:
 - i. Primarily virtual meeting
 - ii. Start with Recommendation/SWOT form #1
 - iii. Have open discussion
 - iv. Take notes
 - v. Add key takeaways to a chart/report
 - vi. Repeat from Item ii with next Recommendation/SWOT form
4. Explanation and Values of Recommendation/SWOT form (Maureen)
 - a. Identify and record recommendations submitted
 - b. Identify strengths/weaknesses/opportunities/threats
 - c. Encourages objective analysis before stakeholder discussions
 - d. Facilitates productive stakeholder discussions by providing facts, context, citation, research, data, etc.
5. Next Steps (Maureen)
 - a. Collection of Recommendation/SWOT forms:
 - i. 1 form/recommendation
 - ii. Email forms to: DOH.WWB.cesspool@doh.hawaii.gov
 - iii. Order by date received
 - b. Meeting #2 and beyond
 - i. Balance time to complete updates and amount of time to discuss each
 1. Should a time limit per form be established?
 - ii. Review each Recommendation/SWOT form
 - iii. Champion can speak to it if desired
 - iv. Offer participants to speak on SWOT
 - v. DOH to speak to each

6. Recommendation #1:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Reduce daily flow rate.
 - c. Onsite Wastewater Treatment and Disposal Systems-Design Manual:
 - i. Page 51, Chapter 4,
 1. Section 4.2.1.1 Average Daily Flow:
 - a. Average daily wastewater flow from a typical residential dwelling is approximately 45 gal/capita/day (gpcd)
 - b. Typically no greater than 60 gpcd
 - c. Seldom exceeds 75 gpcd
 2. Section 4.2.1.3.a. Minimum and Maximum Daily Flows
 - a. Daily wastewater flow from a specific residential dwelling is typically within 10% and 300% of the average daily flow
 - ii. Maximum daily flow rate:
 1. $45 \text{ gpcd} \times 300\% = 135 \text{ gpcd}$
 2. $60 \text{ gpcd} \times 300\% = 180 \text{ gpcd}$
 3. $75 \text{ gpcd} \times 300\% = 225 \text{ gpcd}$
 - iii. HAR 11-62 daily flow rate = 100 gpcd
 - d. Could not find the citation for the States. Need the exact citation, rationale, and calculations.
 - e. IAPMO Water Demand Calculator (WDC):
 - i. The Excel spreadsheet is a fixture-based calculator. DOH-WWB and HAR 11-62 do not use fixture-based calculations.
 - ii. The WDC is an application that computes the 99th percentile of the instantaneous water demand expected during the period of peak indoor use in a residential building that is fitted with water conserving fixtures.
 - iii. Gallons per minute (gpm) is used to calculate water pressure, pipe sizes, and meter size, not maximum daily flow in gallons per day (gpd).
 - f. IAPMO, UPC, 2021, Appendix M:
 - i. This appendix is for peak water demand calculator.
 - ii. This appendix provides a method for estimating the demand load for the building water supply and principal branches for single- and multi-family dwellings with water-conserving plumbing fixtures, fixture fittings, and appliances.
 - iii. There was no section for wastewater flow rate per bedroom.
 - g. Action:
 - i. No further action and recommendation is closed.
 - ii. If recommendation is resubmitted, then exact citation, rationale, and calculations are required.
7. Recommendation #2:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Create pathways for adopting innovative technologies
 - c. Action:
 - i. DOH-WWB will clarify approved IWS technology.

- ii. DOH-WWB created a CCIWG webpage and will update DOH-WWB website.
- 8. Recommendation #3:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Disposal system size reductions based on treatment quality
 - c. Dennis Poma offered to submit white paper regarding reduction based on treatment quality.
 - d. White paper was not submitted.
 - e. Action:
 - i. No further action and recommendation is closed.
 - ii. If recommendation is resubmitted, then white paper with citations, calculations, and data are required.
- 9. Recommendation #4:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Retrofitting cesspools into seepage pits
 - c. Action:
 - i. DOH-WWB will allow an existing cesspool to convert to a seepage pit without following the HAR 11-62 sizing requirement.
 - ii. Structural lining is required.
 - iii. Injection test at 100% daily flow is required.
 - iv. Existing cesspool cannot have any report of failure.
 - v. Existing cesspool must meet all setback requirements.
 - vi. DOH-WWB will eliminate from HAR 11-62 the three (3) criteria to allow the use of seepage pits (i.e., slope, area, and limiting layer).
- 10. Recommendation #5:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Create new pathways for decentralized cluster systems.
 - c. Covered by HAR 11-62 Subchapter 2.
 - d. Action:
 - i. No further action and recommendation is closed.
- 11. Recommendation #6:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Update bedroom definition.
 - c. DOH-WWB is already updating the bedroom definition in the HAR 11-62 revisions.
 - d. DOH-WWB currently has a memorandum for bedroom policy.
 - e. Action:
 - i. Complete update of bedroom definition in the HAR 11-62 revisions.
- 12. Recommendation #7:
 - a. Recommendation/SWOT form was shown on screen.
 - b. Topic:
 - i. Allow IWS Approval-to-Construct for new IWS before all existing cesspools on property are certified and issue IWS Approval-to-Use after certification of remaining cesspools on the property.
 - c. Action:
 - i. No further action and recommendation is closed.

13. Recommendation #8:

- a. Recommendation/SWOT form was shown on screen.
- b. Topic:
 - i. Allow approved manufacturer's installation instructions for chamber systems.
- c. HAR 11-62 will be revised to follow chamber equipment manufacturer's installation manual.
- d. Chamber equipment is IAPMO certified.
- e. Action:
 - i. Complete revision regarding chamber equipment in the HAR 11-62 revisions.

14. Recommendation #9:

- a. Recommendation/SWOT form was shown on screen.
- b. Topic:
 - i. Clarify setbacks from structures.
- c. DOH-WWB will clarify setback table.
- d. Structural load near the wastewater system is a factor.
- e. Obstructing O&M of wastewater system is a factor.
- f. No structures directly above the wastewater system.
- g. Action: Continue at next CCIWG meeting.