

CHANGES TO THE VOLUNTARY STANDARD SINCE THE PUBLIC FORUM

1. Table of Contents page added. Sequentially numbered all pages in the protocol.
2. In the “Purpose,” removed the word “laboratory,” to avoid any possible confusion that the entire protocol can be done in a laboratory, when it also requires pilot plant work.
3. In the “Definition of Key Terms- Recyclability Test Sample,” changed the wording to allow the testing of more than 20% treated board in the test sample if desired.
4. In the “Test Method” section, in Part 1: Repulpability, removed the words “artificially hardened” to allow the use of city or tap water to be used in this process and changed the wording to allow the use of a screen with slots smaller than 0.010” if desired.
5. In the “Test Method” section, in Part 2: Recyclability, changed the wording to allow the use of more than 20% treated board in the test sample (See No. 3 above). Also in this section, changed the wording to allow the use of the pressure screens with 0.062” holes and 0.010” slots to be either sequentially in the same apparatus or in a separate apparatus that is used in series with the first apparatus.
6. Changed the “Performance Levels” section to make it Part 3 of the “Test Methods” section.
7. In “Part 3: Performance Levels,” under “Operational Impact,” changed the wording to clarify what would constitute a failure due to operational problems with the equipment.
8. In “Part 3: Performance Levels,” under “Product Requirements No. 3,” changed the requirement for the STFI and Bursting Strength tests to allow no more than a 10% decrease in the strength of the test sample handsheet from that of the control handsheet. Emphasized that all test results are to be reported in English units.
9. In the “Certification and Marking” section, changed the title to emphasize that this is a “Self-Certification” standard.
10. In the “Certification and Marking” section, added three descriptive paragraphs to: (1) more clearly define when substrate chemistry changes require re-certification; (2) allow a treatment product that has been certified at one location to be used at other locations providing the treatment-to-fiber ratio is not increased and the treatment is used on standard kraft or recycled containerboard; and, (3) better define when treatment material modifications require re-certification.
11. In “Appendix A,” under “Purpose,” added a note explaining that the Repulpability test must be run at least twice and must pass two out of three tests.

12. In “Appendix A,” under “Apparatus,” changed the wording to allow the use of other open flat screens, such as the Somerville screen, to be used instead of requiring that only a Valley screen be used. Changed No. 8 under “Specimen Testing” to reflect this change.
13. In “Appendix B,” under the title, added a note explaining that both the control and the test sample must be tested for Recyclability at least twice and must pass two out of three tests.
14. In “Appendix B,” No. 1, changed the word “laboratory” to “pilot plant” to emphasize that this protocol must be run in a pilot plant scale pulper. Also, changed the wording to indicate that the pulping stage can be carried out at either 3% consistency, or, at the equipment manufacturer’s recommended consistency.
15. In “Appendix B,” No. 8, added notes to better define which sides of the handsheets must be tested for the Slide Angle test and the Water Drop Penetration test, and, to require that the Basis Weight, STFI and Bursting Strength Index Values must be reported in English units.
16. In “Appendix B” in the “Handsheet Preparation For Stickies/Spot Count Test” section, No. 12, changed the wording to indicate that any appropriate analysis tool may be used to count the spots. Deleted the reference to the Verity Image Analysis Software and deleted the Scanner & Computer Instructions section.
17. In “Appendix C: Test Report,” added an Option B to allow for the certification of products where testing was done at another location.
18. Modified the test report forms to reflect the changes listed above, especially those in item Numbers 8 and 15.