

**Chapter NR 661****APPENDIX I****REPRESENTATIVE SAMPLING METHODS**

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The methods and equipment used for sampling waste materials will vary with the form and consistency of the waste materials to be sampled. Samples collected using the following sampling protocols, for sampling waste with properties similar to the following indicated materials, will be representative of the waste:

- (1) Extremely viscous liquid – ASTM D140–70, incorporated by reference in s. [NR 660.11](#)
- (2) Crushed or powdered material – ASTM D346–75, incorporated by reference in s. [NR 660.11](#)
- (3) Soil or rock–like material – ASTM D420–69, incorporated by reference in s. [NR 660.11](#)
- (4) Soil–like material – ASTM D1452–65, incorporated by reference in s. [NR 660.11](#)
- (5) Fly ash–like material – ASTM D2234–76, incorporated by reference in s. [NR 660.11](#)
- (6) Containerized liquid wastes – “COLIWASA”<sup>1a</sup> described in “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods”, EPA SW–846, second edition, incorporated by reference in s. [NR 660.11](#)
- (7) Liquid waste in pits, ponds, lagoons and similar reservoirs – “Pond Sampler”<sup>1a</sup> described in “Test Methods for Evaluating Solid Waste, Physical/Chemical Methods”, EPA SW–846, second edition, incorporated by reference in s. [NR 660.11](#)

<sup>1a</sup> These methods are also described in “Samplers and Sampling Procedures for Hazardous Waste Streams”, EPA 600/2–80–018, January 1980, incorporated by reference in s. [NR 660.11](#). This manual also contains additional information on application of these protocols.