

September 11, 2025 SWMAC Meeting

Proposed rule changes OAC 252:515

### **Subchapter 11 LINER DESIGN**

#### **252:515-11-51. FML materials**

(a) Materials. The FML shall be manufactured of first-quality resin, compounded and manufactured specifically for the purpose intended.

(b) Defects. The FML shall be free of holes, blisters, undispersed raw materials or any sign of contamination by foreign matter. Any defect shall be repaired in accordance with manufacturer's recommendations.

(c) Thickness. The FML thickness shall be determined considering the manufacturer's allowable tensile strength and tear and puncture resistance of the liner material, the maximum potential height of the waste pile, and the anticipated compacted waste density (lb/ft<sup>3</sup> or lb/yd<sup>3</sup>).

(1) A safety factor of two shall be used in this determination.

(2) The thickness shall be no less than 60 mils. **for HDPE and 30 mils for other types of FMLs.**

(3) The DEQ may require a thicker FML to resist various stresses.

(d) Chemical compatibility. The FML shall be chemically resistant to organic and inorganic chemicals in the wastes proposed to be disposed. Chemical resistance shall be determined in accordance with EPA Test Method 9090, Compatibility Test for Wastes and Membrane Liners.