



Dust, stock, and refuse conveying exhaust discharges outdoors unless contaminants are removed. Recirculation is allowed only if all three are met: particulate removal of at least 99.9% at 10 microns; vapor concentrations below 25% of the lower flammable limit (LFL); and approved equipment that continuously monitors vapor concentration. Miss any one → exhaust to outdoors.

Original Masterbuild PE packet from Daily Code Talk on 2024 IMC 510.1.3. Confirm the adopted edition. Distinct from 510 collectors, 510.1.5 explosion, and 510.2 over 600°F. This is not a dust-system design.

☐ **Default: discharge to the exterior. Direct flue, or through the bin/vault, unless contaminants are removed.**

Recirculation — all three: 99.9% at 10 μ m; vapors below 25% LFL; continuous approved vapor monitoring.

☐ **510.1.2: cyclone delivery pipe shall not discharge refuse into a boiler, furnace, Dutch oven, refuse burner, or incinerator f**

510.1.4: open-air terminals get an approved noncombustible spark screen.

The fail we see first

A baghouse that dumps into the plant with no 99.9% / LFL / monitor note. Field will assume the easiest path. Default outdoors unless all three are documented.

What to send: whether the collector returns air to the plant or goes outdoors, any filter-efficiency claim, and whether a vapor monitor is specified.

Send the comments. Not the County guideline.

Folio (does it start with 30?), process or UP number, and the comments PDF. Masterbuild will say which row is actually open.

masterbuildconsulting.com/send/

+1 (786) 398-6940 · Calendly: 30-minute scoping call

Masterbuild provides engineering services under a written scope. Not a dust-system design. 99.9% at 10 microns and 25% LFL are Daily Code Talk education. Confirm adopted 510.1.3. This is not legal advice.