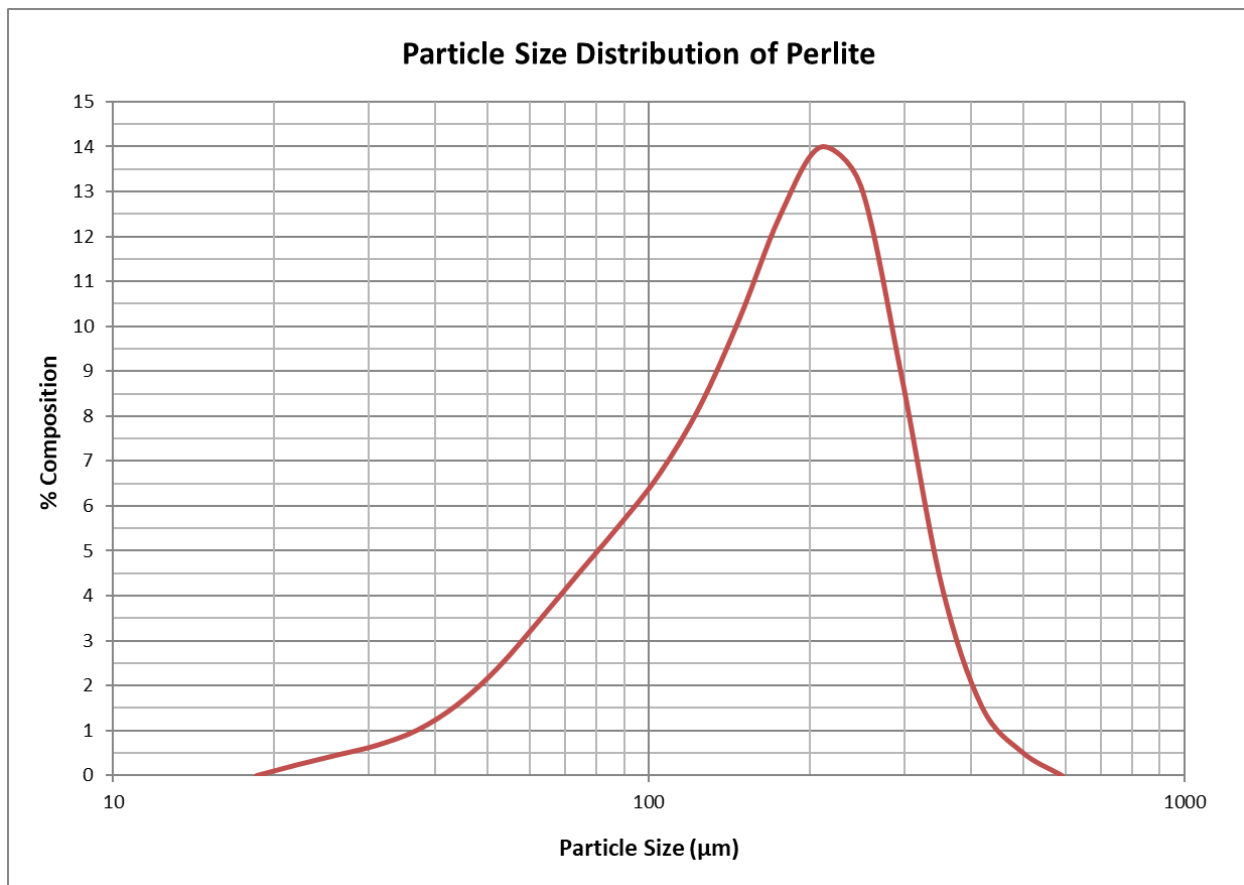


GPC Cyclone Dust Removal Case Study

Perlite Powder Removal

Aerodyne Environmental tested perlite powder in our GPC-24 test lab. The test was done at room temperature with a pressure drop of 1.5" W.C. through the cyclone. The dust loading was 2.8 grains/ft³. The perlite sample had a particle size distribution as shown in the graph below. Its mean particle size was 159 micron with a loose bulk density of 4.4 lbs/ft³.

The GPC-24 cyclone got 99%* removal of the material.



* Please note that particle removal efficiency is based on multiple factors in the process, including but not limited to cyclone size, pressure drop through the cyclone, particle size distribution, particle geometry, and material density. This test is a representative test, and results for your application may be different based on the above conditions.