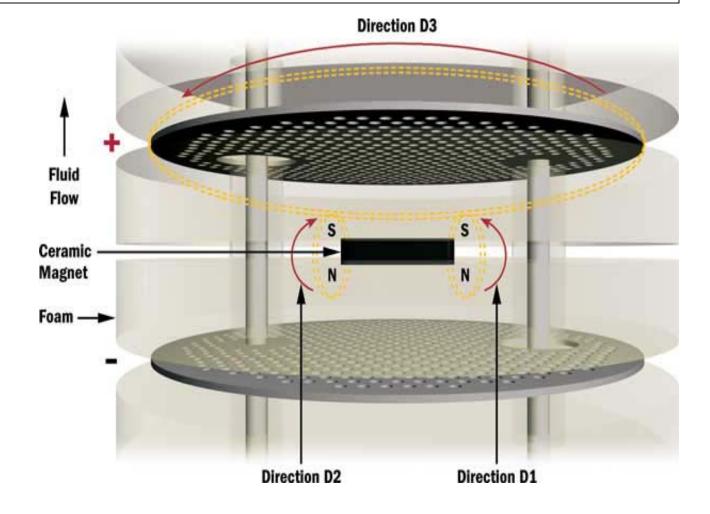
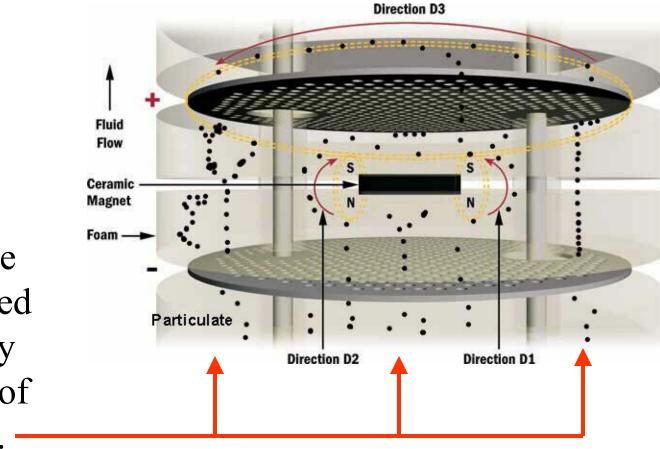
**ASL Electrostatic Fluid Purification Systems have the** unique ability to remove particulate of ANY size, right down to sub-micron sized particulate. The system will operate with any semi-conductive, or non-conductive fluid, lubricant, or oil, within broad temperature and viscosity limits. The system's ability to remove the precursors of oxidation by-products, prevents, and over time, removes existing tar and Varnish deposits. The Electrostatic Cell's unique back flush capabilities, extend it's life span to 8700 hours (one year of 24/7 operation) Inexpensive to procure, inexpensive to operate.

The Toroid -Corona influence zone.

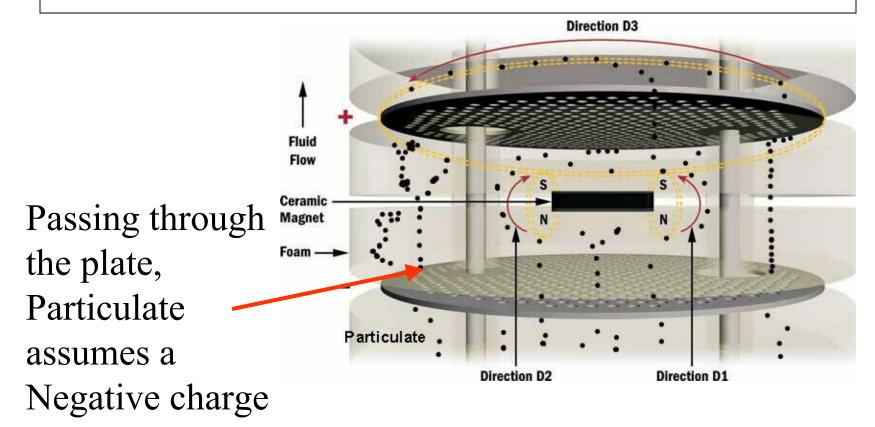
Direction D1, D2 Torodial flow

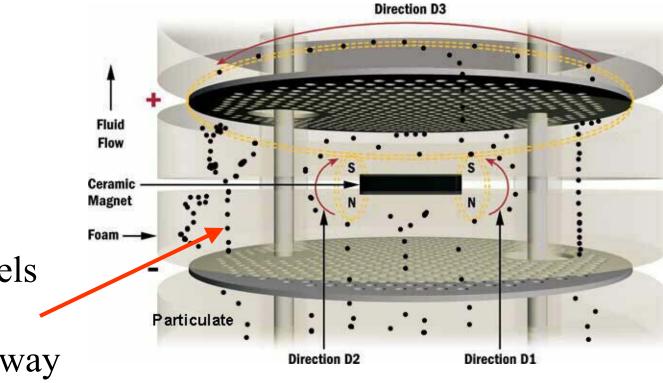
Direction D3 Corona flow



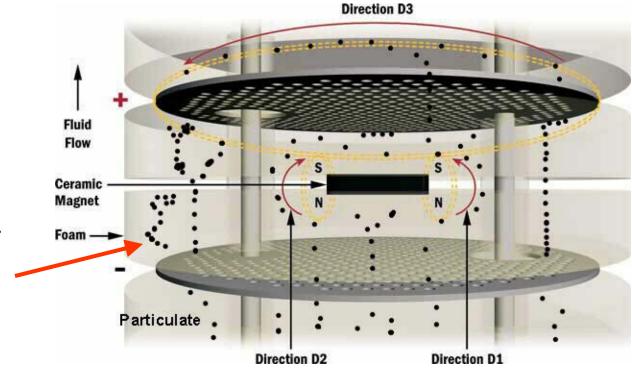


Particulate is propelled upward by the force of the pump. —



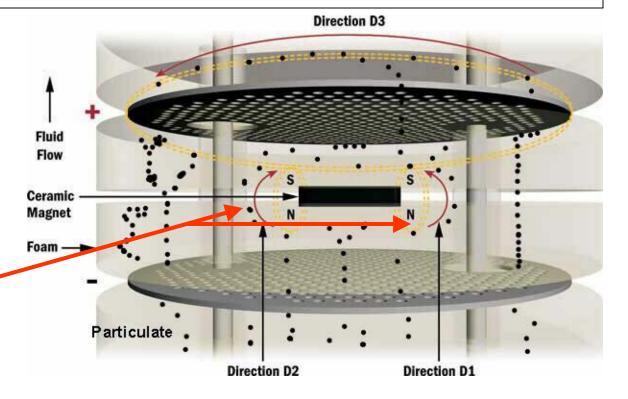


Coulombs force propels particulate upward, away from the plate

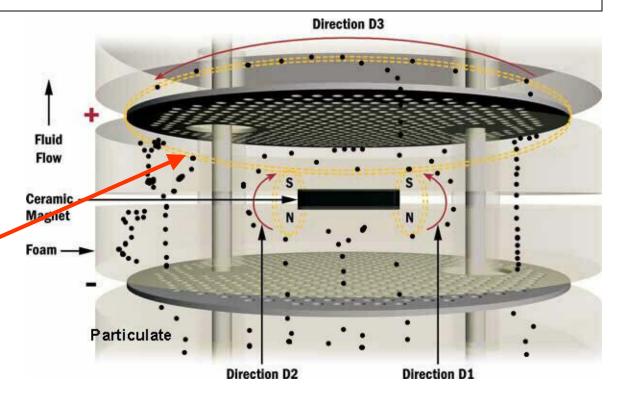


Some particulate "straws" itself into the foam, seeking an upward path

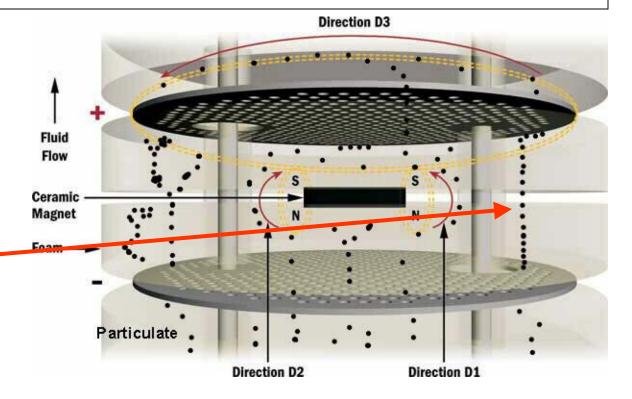
Some particulate comes under the influence of the Toroidal flux field around the magnets



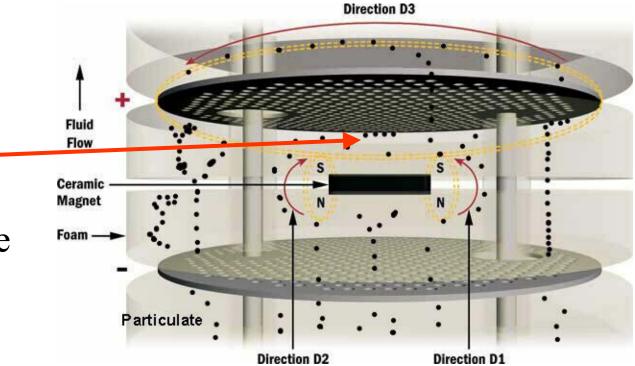
Other particulate comes under the influence of the Corona around the next (Positive) plate.



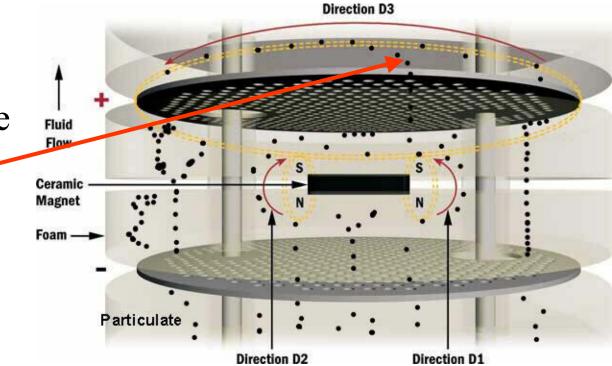
At the edges, other particulate forms a line, with half drawn upward, and half drawn downward



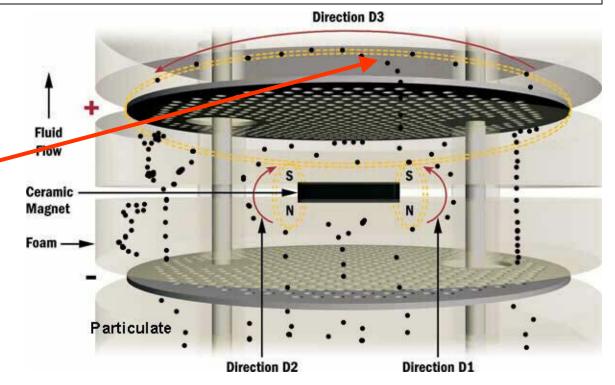
Other particles \_\_\_\_\_ stick to the positive plate and are held



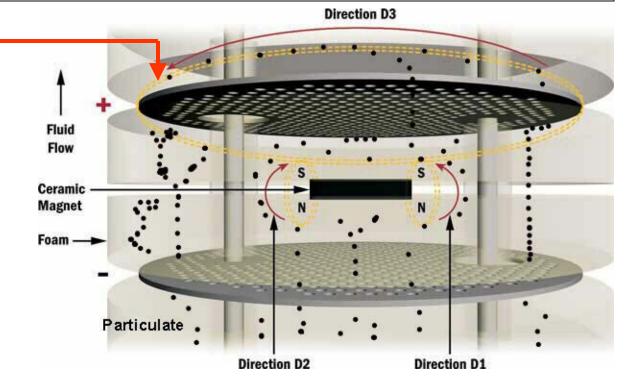
Some particles pass through the positive plate, reversing polarity



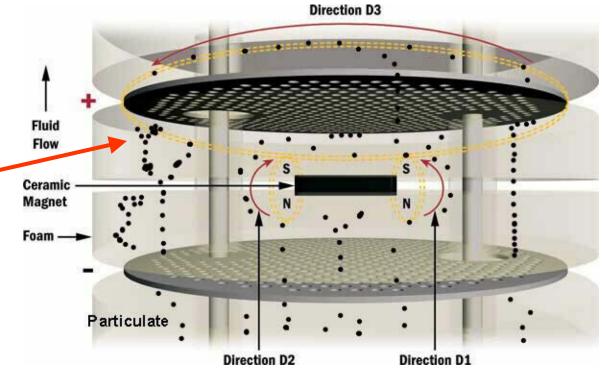
Repelled again by Coulombs force, particles move upward toward the next transition, or



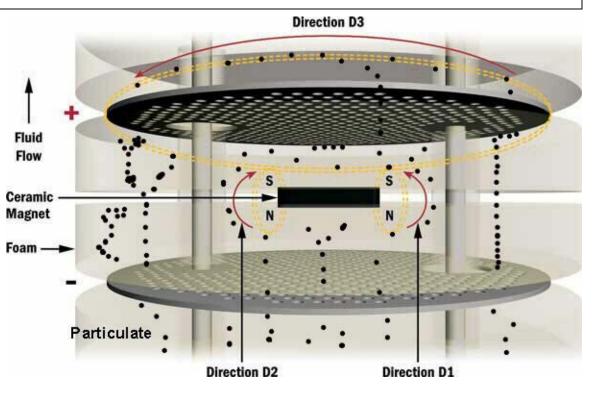
are influenced by the Corona, and are carried back down through the plate,



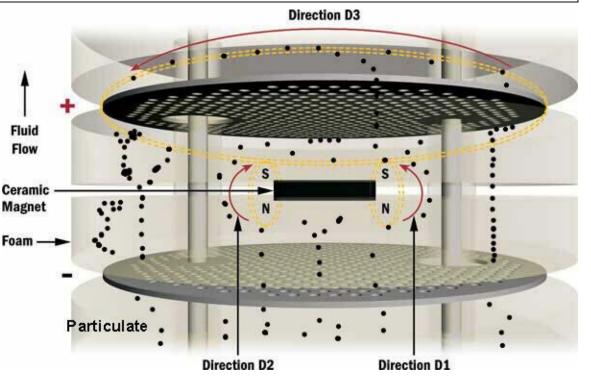
where they join with rising negatively charged particulate, agglomerating and becoming entrapped in the course foam



Particulate that is not trapped in the foam, or held in the force fields, continues upward, encountering three more like transitions



Uniquely, when the High Voltage is removed from the Cell, particulate falls toward the bottom, where it can be Backflushed out with shop air!



Back-flush gives the Cell an 8700 hour (1 year) life!

Replacement costs are less than 4 cents per operating hour!

