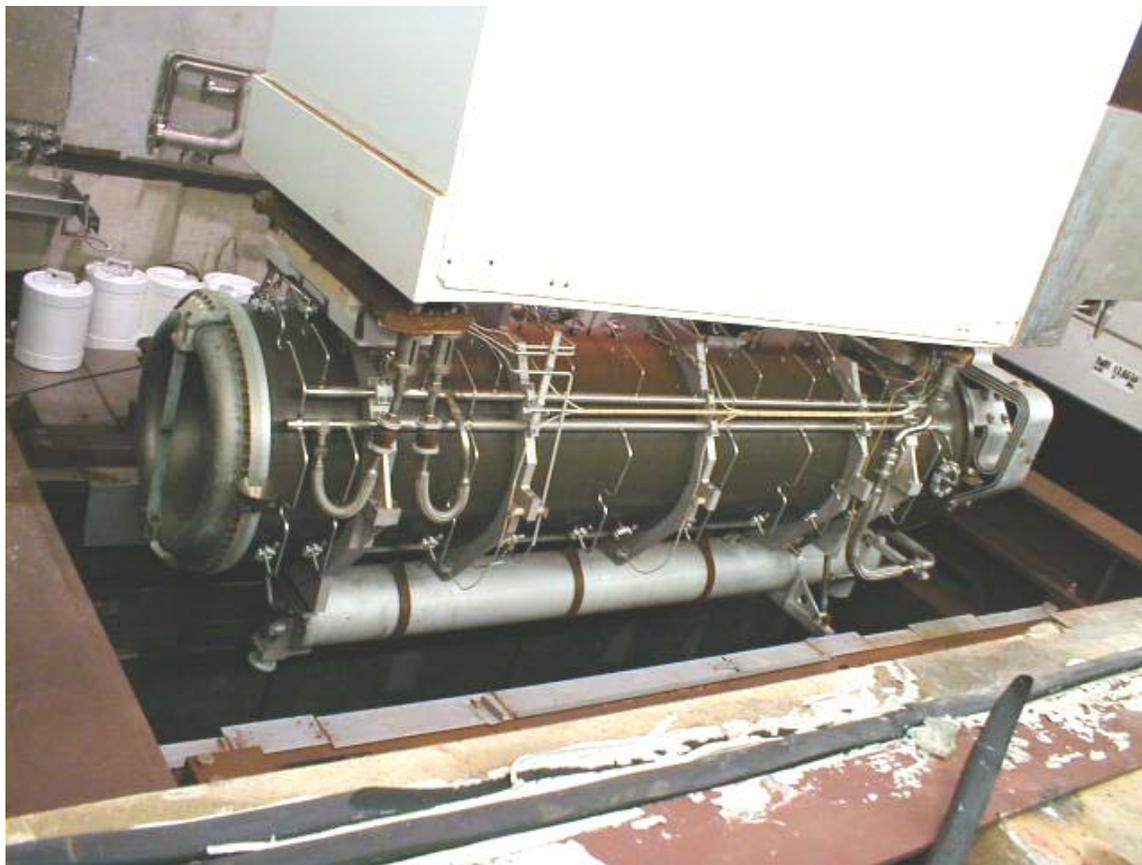


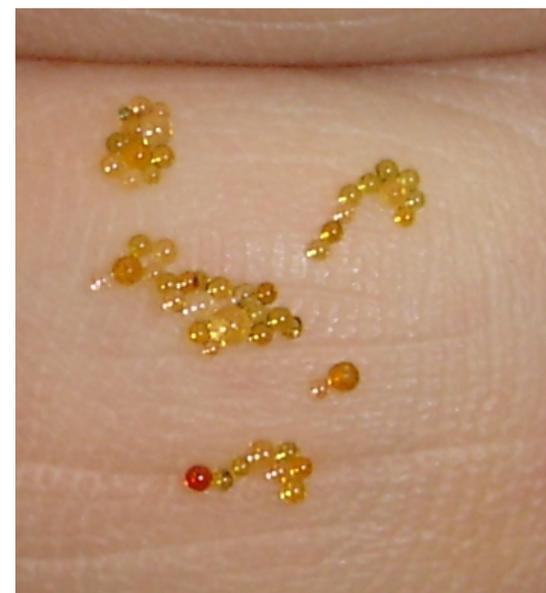


# NuMI / MINOS Status



On June 30, resin beads clogged the NuMI horn 1 spray lines

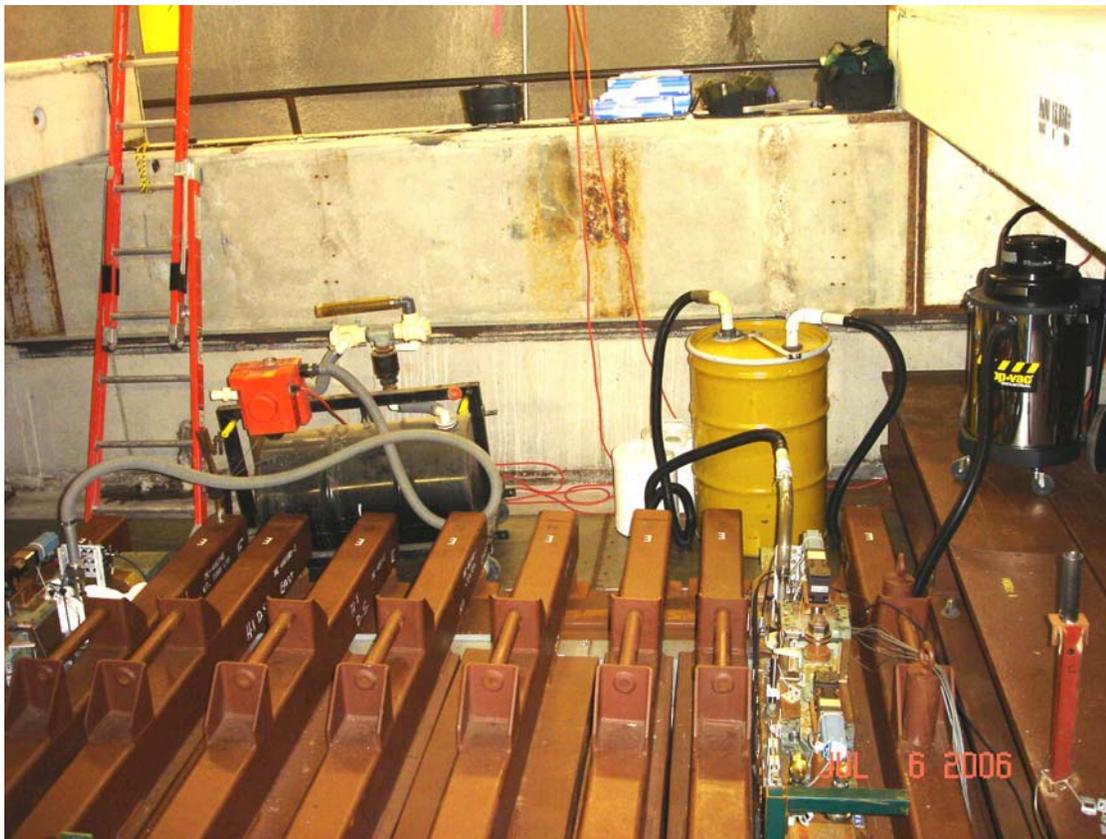
New, uncontaminated beads





Since then, have tried to back-flow beads out with air  
(pressurizing horn, vacuuming headers)

Two of the three headers are now cleared out,  
water spray in third is 9 to 10 gpm compared to 12 gpm normal





Plan:

- (1) One more cycle of drying/burping the third line
- (2) Pulse horn dry at low rep. rate while vacuuming lines (Wed?)

If still clogged, decide whether:

- Run with one line partially clogged <- current preference
- Air technique at higher pressure (30 psi)
- Fill horn with water, and back flow at 30 psi
- Toluene or other solvent

Takes about 2 days for horn testing, shield replacement  
after deciding to quit cleaning before running beam