The May 2000 Cerro Grand Fire burned in both canyons next to the Clean Chemistry/Mass Spectrometry Building, resulting in significant smoke/soot damage to the inside of the building. Restoration and refurbishment of the Class 10,000 clean rooms required highly specialized contractors to replace ceiling tiles, grid, lights; seal walls; clean and replace ducting; replace fan motors; replace the floor and recertify the building. However, during the down-time, other systems developed problems and had to be repaired/replaced. This paper will discuss the overall project, impacts to operations, restoration of the clean-room, certification, and future recovery plans.