UCDMC Soldering/Brazing Guidelines

1. Soldering/brazing operations must not take place within three feet of chemical and/or combustible materials.

2. Items being soldered/brazed must be free of dust, dirt, oil or any other material which will generate smoke.

3. Soldering/Brazing operations must not take place any closer than ten feet horizontally from a smoke detector.

4. The area where the soldering/brazing operation is taking place must be confined from adjacent areas (i.e. doors to rooms must be closed).

5. Material, including drywall, adjacent to soldering/brazing operations must be protected (use of asbestos or welding blankets is recommended).

6. Personnel performing soldering/brazing operations must have a fire extinguisher, minimum rating 2A 10BC (generally a 5 pound dry chemical extinguisher will suffice) in their immediate possession during all brazing operations. Solders/Brazers must not use extinguishers located in the building/area in which they are brazing to meet the requirements stated in the previous sentence.

7. Personnel performing soldering/brazing operations must remain in the immediate vicinity for a minimum of 1 hour after completion of brazing activities.

8. In areas/buildings where research activities are performed or where chemical or combustible materials are involved, the person performing soldering/brazing operations must contact Fire Services at 734-3036 to determine if it is necessary to turn off the local fire alarm and/or fire sprinkler system. If Fire Services decides it is necessary to disable the fire alarm and/or sprinkler system, then Auxiliary Services shall be contacted to immediately initiate the shut down request. If the response will take more than one hour, the supervisor for the area impacted by the “down” equipment (example: refrigerator) will be notified by the Auxiliary Services or Fire Services supervisor on duty. It will be the responsibility of the person performing the soldering/brazing operation to provide Auxiliary Services or Fire Services the name of the supervisor for the area impacted.

9. During off hours (nights and weekends), the personnel performing soldering/brazing operations for the areas indicated above must contact PO&M at 4-2763 to coordinate a fire alarm and/or sprinkler system shutdown. The PO&M Engineer will determine if a shutdown is necessary in accordance with these guidelines for urgent or emergency work. Pre-scheduled work requiring a shutdown must be addressed prior to the day of the shutdown by completing the PO&M Access Authorization Form and submission to PO&M, Suite 1500, 4800 2nd Avenue, Facilities Support Services Building.