Appendix B: An Example of Training Documentation for Hydrofluoric Acid Handling

This example HF training documentation can be pasted on to researcher's lab notebook page. Alternatively, HF training records can be collocated with PPE-HAT documentation.

Buddy system training allows less experienced researchers and undergraduate students to learn more quickly from close and frequent contact with the experienced researcher within a lab. During the hands-on HF training, both trainer and trainee should be able to communicate verbally and be within hearing distance of each other.

Department: _______________________________ Date of Training: ________________

PI Name and Signature: _______________________________

Trainer Name and Signature: _______________________________

Trainee Name and Signature: _______________________________

By the signatures of the PI, trainer and trainee listed above, we certify that the trainee has demonstrated his/her understanding of safe HF handling practices in our research lab.

____ Trainee has reviewed the HF specific chemical safety located in EHS website (this guidance document).

____ Trainee has reviewed the process specific standard operating procedure (SOP).

____ Trainer discussed the injury and illness prevention measures including first aid supplies and emergency/treatment.

____ Trainee was shown the location of HF specific first aid kit including CG gel and CG eyewash solution, and spill response supplies.

____ Trainee was shown HF specific waste collection and storage method(s).

____ Trainee was provided appropriate process specific lab coat, apron, face shield and chemical splash goggle to protect against chemical splash/splatter.

____ Trainee was shown HF storage location and safe transport of HF in a rubber bottle carrier.

____ Trainee satisfactorily transported HF bottle from storage cabinet to fume hood and then returned to storage.

____ Trainee satisfactorily demonstrated the dispensation and process handling techniques, and waste collection and storage in a polyethylene/polypropylene container.

____ Trainee satisfactorily demonstrated the correct fume hood sash height and able to recognize acceptable face velocity range in FPM if a Magnehelic gauge or digital velocimeter is installed.