

Worker Sample Collection Sequence

Chapter 10: FIELD OPERATIONS
AHETF-10.E.1.

Effective Date : January 1, 2006

APPROVAL <u><i>Micky Staudert</i></u>	DATE <u>01/06/06</u>
APPROVAL <u><i>[Signature]</i></u>	DATE <u>05 JUN 06</u>
Last Revision Date: September 1, 2003	Previous Version Number: 10.E.0

1.0 PURPOSE AND SCOPE

- 1.1 This Standard Operating Procedure (SOP) describes the sequence for the research personnel to follow when collecting worker samples from the field phase of the Agricultural Handlers Exposure Task Force (AHETF) exposure studies.
- 1.2 This SOP was revised to address the collection sequence when no sock dosimetry is required, sections 2.5, 2.6, and 2.7. Also, section 2.1 was modified to clearly indicate the use of disposable gloves by the research personnel.

2.0 COLLECTION SEQUENCE

- 2.1 Upon completion of the standard replicate, the worker shall return to the appropriate staging area. Research personnel collecting dosimetry samples must change their disposable gloves (latex, vinyl, etc...) between each sample collected described as follows.
- 2.2 The research personnel will check the air pump flow rate using equipment and techniques described in SOPs 8.D and 10.A. The air sample will be collected according to SOP 8.D, and the air pump and lines removed from the worker.

- 2.3 The worker will then remove their own personal protective equipment (PPE), which may include chemical-resistant (CR) gloves, a respirator, glasses, hat or CR headgear. This headgear may contain head patch samples. If inner head patches were utilized during the study, the researcher will remove the inner head patch according to SOP 8.H.
- 2.4 If head patches were utilized in the study, the outer head patch will be collected by research personnel, according to SOP 8.H., after the worker removes their headgear.
- 2.5 The worker will then remove any body PPE (e.g., apron, coveralls, or gloves) and their shoes, then the worker may enter the clean, private area where they will remove their outer work clothes and socks.
- 2.6 If no sock dosimeters were used on the study, skip to section 2.7 and collect a hand wash sample. Otherwise, upon removal of outer garments (shirt, then pants, then outer socks) by the worker, the researcher will remove the sock dosimeters, according to SOP 8.I.
- 2.7 Immediately after the worker has removed his outer clothing and if the socks dosimeters (if used) have been collected, the researcher will collect hand wash samples, according to SOP 8.B.
- 2.8 After collection of hand washes, the researcher will collect face/neck wipe samples, according to SOP 8.C.
- 2.9 After collection of the face/neck wipes, the researcher will remove the inner dosimeter from the worker and process it, according to SOP 8.A.
- 2.10 At this point, all worker samples will have been collected and the worker shall dress in his/her street clothes and may be dismissed.
- 2.11 Any deviations to this procedure must be documented in the raw data and the Study Director informed of the changes and reasons. This sequence only applies to the post-replicate sample collection procedure. Interim samples that are collected will be done according to the specific matrix sample SOPs and identified according to SOP 8.F.