

REMOVING AN ALIQUOT TO CONDUCT ON-SITE pH AND CONDUCTANCE MEASUREMENTS STARTING JANUARY 2005

Insert this page in the *NTN Site Operation Manual* (July 1999 edition) in front of page 3-25.

1. Volume requirements

- A) Up to 20 mL may be removed from any sample with a volume greater than 70 mL (>70 grams Sample Weight from Block 6 of the FORF) for on-site field chemistry measurements. The CAL requires at least 50 mL (grams) of sample for complete chemical analysis.
- B) If you have less than 70 grams of liquid, do not remove any sample from the sample bottle.

NOTE: Sites requiring a larger volume must seek pre-approval from the NADP Program Office.

2. Filling your container

- A) You must provide your own supplies to remove an aliquot for field chemistry. See supplies list (Appendix page A-3, 12/04) if you intend to continue field chemistry measurements.
- B) If you have 70 grams of sample or more, pour up to 20 mL from the 1-liter sample bottle into your container.
- C) Ensure that there is no rim-to-rim contact between the 1-liter sample bottle and your container.
- D) Do not attempt to replace samples which are spilled in this transfer.

**CHANGES TO THE NTN WEEKLY SAMPLING PROCEDURE FOR
DISCONTINUING FIELD CHEMISTRY MEASUREMENTS
STARTING JANUARY 2005**

Insert this page in the NTN Site Operation Manual (July 1999 edition) in front of page 3-25.

1. Remove the sample, transport it back to the lab, weigh and decant from the field bucket into the sample bottle.
2. Follow your weekly routine until you get to section **3.3.8.2 General Field Laboratory Analysis** (page 3-24). Points to highlight in section **3.3.8.2** include:
 - A) Make sure the sample is thawed completely before decanting it into the 1-liter bottle.
 - B) Ship samples to the CAL within 48 hours of their removal from the field.
3. Skip all instructions related to field chemistry measurements (sections **3.3.8.2.1** to **3.3.8.4.6**). Specifically; the steps to ignore (you might want to cross them out in your manual) are:

PAGES	SECTION	TITLE
3-24 to 3-25	3.3.8.2.1	Filling Vials for Field Chemistry Measurements
3-25 to 3-27	3.3.8.3 (.1 to .5)	Conductance Measurement
3-27 to 3-29	3.3.8.4 (.1 to .6)	pH Measurement

3. Continue sample processing with section **3.3.9 SUPPLIES, Block 9**.

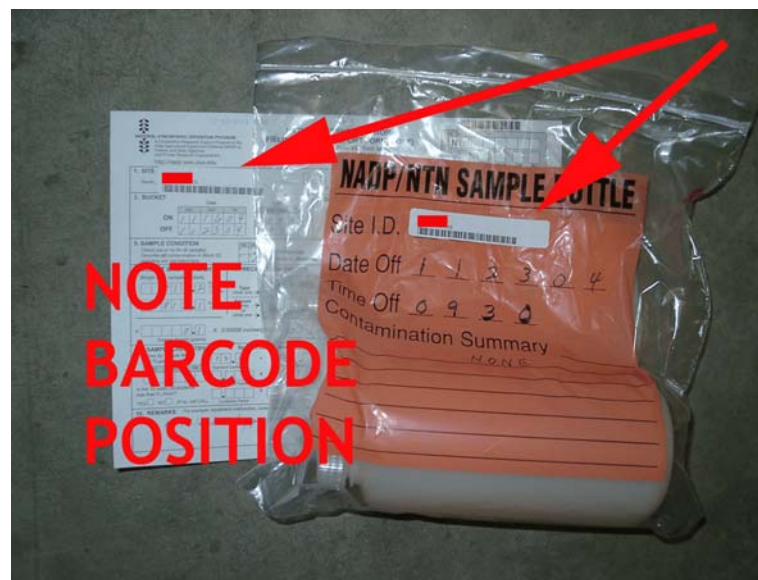
NEW FORF AND SAMPLE BOTTLE BAG BAR CODE LABELS FOR USE STARTING JANUARY 2005

Insert this page in the NTN Site Operation Manual (July 1999 edition) in front of page 3-31.

- 1) Follow your weekly routine until you complete section **3.4.2 Sample Bottles**. To this point you have prepared a 1-liter sample bottle, raingage chart, and a field form (white and yellow copies) for shipping. Keep the pink copy of the field form and a copy of the raingage chart for your records. Label the sample bottle bag as usual.
- 2) Use the labels provided by CAL (see Sample ID Labels figure below). Two labels are provided for each sample. **Start with the first set (indicated in green on the Sample ID Labels figure below)**. Place one label over Block 1 of the white copy of the field form and the identical label on the outside of the bottle bag (see figure at bottom). Use the labels in ascending order for each sample you submit to CAL.
NOTE: continue to write your Site ID on Block 1 SITE of the FORF as normal.



Sample ID Labels



Preferred Bar Code Position