1	Upon arrival at Field Team Center (FTC), receive a status briefing from Field Sampling Team Leader (FSTL) and review this SOP to familiarize yourself with what might be required. Clarify any questions with FSTL or FTC Coordinator before departing on sampling assignments. Verify communications, radio channels, cell phone numbers, FTC number, etc.
2	Receive sampling assignment(s) from FSTL.
3	Inventory sampling kit using Attachment 1. Obtain any missing items from Field Team Center.

IF	THEN
Assignments are outside of the	Proceed with Item #4
Assignments include locations inside Restricted Zone	If needed, request assistance from FSTL or FTC staff in plotting routes to assigned locations. Request briefing on dosimetry and use of any protective gear issued. Request any information on stay time restrictions. Request monitoring station location. Review sampling techniques, procedures, requirements, and locations with assigned escort. Follow the escorts instructions regarding cross-contamination and exposure control measures.

IF	THEN
FSTL advises that samples are to be split (processed at different labs to verify accuracy).	Make two complete collections at assigned sample site per normal procedures. Indicate this information on both data sample sheets and containers.

Prior to Traveling to the Sample Site

4	Label all containers with as much information as possible.
5	Fill out the Sample Laboratory Data Sheet with as much information as possible and have the sampler sign the chain of custody section.
6	Ensure the vehicle has adequate fuel, paper liner on floorboards and cargo area, trash box with liner or trash bag with duct tape, sample transport container, receptacle for reusable equipment (for decon), maps, and communication equipment.
7	Turn on GPS unit and Survey Meter
8	Place the following items into backpack or equipment caddy: sample jugs, pitcher, two resealable bags, permanent marker, ink pen, GPS unit, clip board with Sample and Laboratory Data sheet, sampling instructions, paper towels, small trash bag, large trash bag, duct tape, and knife. Split samples require bucket, extra bags, and jug.
9	Don PPE (Tyvek, Boot covers, and Gloves).

Upon Arrival to Sample Site

10	Radio Field Team Center of arrival and explain purpose of sampling to the property owner (if appropriate) while verifying the exact address for the Sample and Laboratory Data Sheet. Conduct an area survey taking note of background readings in the margin of the Sample and Laboratory Data Sheet.
11	Don respiratory equipment, if advised by Field Team Center.
12	Utilized lined trash box or prepare a garbage bag to receive waste by taping it in place on an easily accessible area in the work vehicle.
13	Select a Sample Point
14	Use the survey meter to take a radiation reading at a height of one (1) meter above (or away from) the sample area. Record the reading on Sample Data Sheet as Field 1 Meter Reading.
15	Use the survey meter to take a radiation reading at a maximum of 3-5 cm (2") above the sample area. Do not make contact with the sample point. Record the reading on Sample Data Sheet as Field Contact Reading.
16	Sample from surface water sources (lakes, rivers, and streams) may be obtained using a ladle, scoop, pitcher, or bucket.
17	Fill the sample container with water from source (3.8 liters). Do not contaminate the outside of sample container while transferring water. If needed, use funnel to minimize contamination transfer. Do not add any preservative.
18	Complete sample info on label or jug then place into resealable bag and seal.
19	Use the survey meter to take radiation reading at a maximum of 3-5cm from sample container. Do not make contact with sample container. Record reading on Sample Data Sheet as Sample Contact Reading.
20	Complete the sample submission sheet recording time, GPS latitude, and longitude.
21	Place the sample form and bagged sample into a second resealable bag and seal. Ensure information on sample form is visible
22	Place disposable equipment and used paper towels into small trash bag; if long ladle was used, place ladle end into a large trash bag and duct tape bag to handle.

Returning to Vehicle

23	Secure samples in transport container (cooler).
24	Place reusable equipment, if any, in decon container for decontamination.
25	Place continuous use equipment (survey meter, backpack, etc.) in equipment container.
26	Place disposable equipment in waste container.
27	Remove one layer of gloves and place in waste container.
28	Contact Field Team Center to update status of Field Sampling Team and proceed to next sample point as previously instructed.

Sampling Equipment Inventory Sheet

This list covers all items needed for water samples.

- Equipment Caddy
- Backpack
- Protective Gloves
- Boot Covers
- Tyvek
- (2) 1 Gallon Sample containers (w/ label)
- (2) 18"x20" Resealable bags
- Pitcher
- Funnel
- Ladle Extended Handle
- Bucket
- Scoop
- Large Trash Bag
- Duct Tape
- Permanent Marker
- Paper Towels
- Clipboard
- Sampling Instructions
- Sample and Laboratory Data Sheet
- Ink Pen
- Survey Meter
- GPS Unit (wrap in plastic)
- Hand Held Radio (wrap in plastic)
- Utility belt (Optional)
- Small Trash Bag
- Knife

Note: Split samples will require additional bags, bucket, sample container (jugs) and Sample and Laboratory Data Sheet.

(Items such as coolers and ice for perishable samples and protective clothing/dosimetry/respirators for sampling within the Restricted Zone would be provided by the Field Team Center.)

Instructions for Completing Sample and Laboratory Data Sheet

Plant - Beaver Valley Power Station
Sector - Leave Blank if Unknown
Distance - Leave Blank if Unknown
Date Collected - MM/DD/YYYY (ex. 06/31/2010)
Mil Time - Use 24 hour clock
Code - See the key on sheet (ex. "WA" for water)
Agency Log No. - Given by Field Team Center for tracking
Street - Leave Blank if Unknown
GPS Latitude - Enter Direction and Degrees-Minutes Decimal
GPS Longitude - Enter Direction and Degrees-Minutes Decimal
Collected by - Enter Your Name and agency
Sampling Info - Fill out info for water sample under other (Comment any irregularities)
Field 1 Meter Reading - Reading obtained in Step 14 before sample
Field Contact Reading - Reading obtained in Step 15 before sample
Sample Contact Reading - Reading obtained in Step 19 after sample
Duplicate/Split # - Enter split or duplicate number if applicable
Chain of Custody - Print name, sign, date and time