



Master Checklist

Name	Date [YYYY-MM-DD]
Deployment Name	Deployment ID
Email	Phone
Notes	

No.	Item Description	Checked	Confirmed	Initials
1	Packing Checklist	[]	[]	
2	Deployment Checklist	[]	[]	
3	Post-Deployment Checklist	[]	[]	
4	Decontamination Protocol	[]	[]	

Signature	Date [YYYY-MM-DD]	Complete
		[]



Packing Checklist

Name	Date [YYYY-MM-DD]	Complete
		[]

No.	Item Description	Checked	Confirmed	Initials
Instrument Packing List				
1	eDNA Surface Sampler	[]	[]	
2	Battery, Makita LXT 18V	[]	[]	
3	Protective Carrying Case, Nanuk 905	[]	[]	
4	Tubing, 2× 1 m lengths of ⅛" flexible tubing	[]	[]	
5	4× ⅛" male quick connect → ⅛" barb adapters	[]	[]	
6	2× male Luer Lock → ⅛" barb	[]	[]	
7	2× female Luer Lock → ⅛" barb	[]	[]	
8	2× female Luer Lock → ¼" barb	[]	[]	
9	2× ⅛" barb → ¼" barb	[]	[]	
Sample Supplies Packing List				
1	47mm Filter A (Type: Size: μm QTY:)	[]	[]	
2	47mm Filter B (Type: Size: μm QTY:)	[]	[]	
3	47mm Filter C (Type: Size: μm QTY:)	[]	[]	
4	Filter storage containers (QTY:)	[]	[]	
5	Tweezers	[]	[]	
6	Squirt bottle	[]	[]	
7	Flush cutters	[]	[]	
Deployment Documentation				
1	Checklist Package (Deployment, Post Mission)	[]	[]	



Deployment Checklist

Name	Date [YYYY-MM-DD]	Complete
		[]

No.	Item Description	Checked	Confirmed	Initials
Step 1: Pre-Field Inspection and Preparation				
1	Open case and remove Surface Sampler and accessories.	[]	[]	
2	Inspect power terminals for contaminate or corrosion.	[]	[]	
3	Inspect quick-disconnect fitting action functionality.	[]	[]	
4	Inspect battery charge and functionality.	[]	[]	
5	Inspect tubing for signs of end-of-life; i.e. discoloration, etc.	[]	[]	
6	Inspect case for water and or high humidity.	[]	[]	
7	Install battery onto Surface Sampler, listen for click.	[]	[]	
8	Turn on Surface Sampler and dry run for 5 seconds.	[]	[]	
9	Ensure Surface Sampler nominal functionality.	[]	[]	
10	Remove the battery from Surface Sampler	[]	[]	
11	Repack case, confirming all contents required for sampling.	[]	[]	
Step 2: Connect and Route Filter and Tubing (In-Field)				
1	Collect equipment to suite sampling protocol	[]	[]	
2	Connect Surface Sampler inlet to filter outlet	[]	[]	
3	Connect Surface Sampler outlet to collection container Eg. Graduated cylinder, nalgene bottle, portable field scale	[]	[]	
4	Secure and verify all fittings to prevent leaks	[]	[]	
Step 3: Install Battery				
1	Install battery onto Surface Sampler, listen for click.	[]	[]	
Step 4: Begin Sampling				
1	Place filter intake into sample water	[]	[]	
2	Ensure output tubing directed into volume tracking device	[]	[]	
3	Press the Surface Sampler power button to begin sampling	[]	[]	
4	Let system run until desired volume or saturation reached	[]	[]	
5	Press the Surface Sampler power button to end sampling	[]	[]	
Step 5: Post Sample Handling				
1	Disconnect the filter housing	[]	[]	
2	Store filter/housing according to your protocol	[]	[]	
3	With input open to air, output in volume device, run pump	[]	[]	
4	After sampler is empty, turn off and record volume	[]	[]	
5	Remove battery and store in case	[]	[]	
6	Remove tubing and store in case	[]	[]	
7	Wipe and dry sampler, store in case	[]	[]	

Post-Deployment Checklist

Name	Date [YYYY-MM-DD]	Complete
		[]

[illegible]



Decontamination Protocol

Name	Date [YYYY-MM-DD]	Complete
		[]

Pump only requires decontamination in special cases - like misuse, regulatory requirements, or before storage. Normally, each sample goes through its own filter, so no cross-contamination. Over-cleaning can wear out parts prematurely, stick to standard procedures unless strictly necessary.

No.	Item Description	Checked	Confirmed	Initials
1. Preparation (Materials Collection)				
1	Surface Sampler	[]	[]	
2	Makita 18V LXT battery	[]	[]	
3	1m input and output tubing	[]	[]	
4	100 ml of 70% isopropanol alcohol in a cylindrical container	[]	[]	
5	2x 250 ml of de-ionized water in cylindrical containers	[]	[]	
2. Initial Rinse				
1	Connect input and output tubing to Surface Sampler	[]	[]	
2	Route tubing into the first DI water container	[]	[]	
3	Connect battery and run sampler for two minutes	[]	[]	
4	After 2 min, electate input tube and run pump dry	[]	[]	
5	After 10 seconds of dry run, turn off sampler	[]	[]	
6	Discard the first DI water container	[]	[]	
3. Decontamination				
1	Route tubing into the 70% isopropanol	[]	[]	
2	Run the Surface Sampler for 20-30 seconds	[]	[]	
3	Elevate the input tube and run pump dry	[]	[]	
4	After 10 seconds of dry run, turn off sampler	[]	[]	
5	Discard the isopropanol	[]	[]	
4. Final Rinse				
1	Route tubing into the second DI water container	[]	[]	
2	Run the sampler for two minutes	[]	[]	
3	After 2 min, electate input tube and run pump dry	[]	[]	
4	After 10 seconds of dry run, turn off sampler	[]	[]	
5	Discard the second DI water container	[]	[]	
5. Visual Inspection and Dry				
1	Disconnect the battery from the Sampler	[]	[]	
2	Disconnect quick-connecting fittings and tubs from sampler	[]	[]	
3	Inspect fittings, tubes, and sampler for signs of ware	[]	[]	
4	Dry all components in well-ventilated area out of sun	[]	[]	
5	Pack away instrument and components in case	[]	[]	