

NPDES Compliance Inspection Manual

Appendix AG



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Appendix AG – Field and Personal Protective Equipment

FIELD AND PERSONAL PROTECTION EQUIPMENT

Table AG-1 presents a quick reference guide to field and personal protection equipment (PPE) that should be considered, as appropriate, for inspections and sampling events.

Table AG-1. List of Field and PPE Equipment

Field Equipment	
<p>Documents and Recordkeeping Tools</p> <ul style="list-style-type: none"> • Credentials • Facility File • Inspection Checklists • Log book • Field notebook • Shipping labels • Analysis request forms • Waterproof pen • Calculator • QAPP & Sampling plan • Copy of Permit • Previous Inspection Report • Extra Inspection Checklists • Compliance Assistance Materials (Factsheets, BMP guidance) 	<p>Protective Clothing¹</p> <ul style="list-style-type: none"> • Bump hat • Disposable boot covers • Hearing protection • Safety shoes (waterproof) • Disposable gloves • Protective suit • Reflective safety vest • Safety glasses/goggles • Rainwear • Climate-appropriate outerwear • Change of clothes
<p>Sampling Materials</p> <ul style="list-style-type: none"> • Prepackaged sampling kit, if available • Sample containers, including extras • Batteries/extension cords • Sample bottle labels/sample seals • Plastic security tape • Chain-of-custody forms • Dissolved oxygen meters • pH meter • Deionized water • Chart paper • Thermometer • Coolers/ice • Preservatives • Directions to laboratory • Shipping labels 	<p>Safety Equipment¹ /Miscellaneous</p> <ul style="list-style-type: none"> • First-aid kit • Extra batteries • Sunscreen • Insect repellent • Paper mask • Backpack • Clip board • Water/Fluids • Sun hat • Binoculars • Road Map • Emergency contact information
<p>Sample Transportation Materials</p> <ul style="list-style-type: none"> • Bubble pack material • Filament tape • Air bill/bill of lading 	<p>Tools</p> <ul style="list-style-type: none"> • Multi-tooled jack knife (Swiss Army type) • Electrical and duct tape • Tape measure

Field Equipment	
<p>Flow Measurement Devices</p> <ul style="list-style-type: none"> • Measurement devices (e.g., flumes, weirs, portable ultrasound or bubble systems) • Flow discharge tables • Level • Ruler • Stopwatch or watch with second hand 	<ul style="list-style-type: none"> • Hand-held range finder and level • Digital camera and extra memory card • Flashlight • Screwdriver • Adjustable wrench and vise grips • Bucket (plastic or stainless steel, as appropriate) • Nylon cord • GPS • Laptop computer • Cell phone and charger • Navigation systems • Pens/pencils • Extra paper • Portable scanner
<p>Biosecurity – Clothing, PPE</p> <ul style="list-style-type: none"> • Plastic coveralls (disposable outerwear) or cloth coveralls • Standard steel-toed safety boots with disposable boot covers • Disposable gloves (e.g., nitrile, or vinyl) • Hair nets • Filtering face piece (respiratory protection beyond this is not anticipated but if necessary, would require additional supplies and procedures) • Safety glasses with impact protection • Hardhats 	<p>Biosecurity – Supplies</p> <ul style="list-style-type: none"> • Water container(s) for potable water • EPA-approved disinfectant and relevant safety data sheets (SDS) • Spray bottle for disinfecting small items • Pump sprayer for disinfecting large items • Long-handled brush • Trash bags and zip-lock bags • Paper towels • EPA-approved soap or antibacterial wipes or products • Bucket • Duct tape to secure plastic boot covers, coveralls, etc. • Waste containers for storing disinfectant rinsate, other liquid waste • Plastic tub for storing “dirty” equipment and PPE in the vehicle • Insect repellent • First aid kit, including tick removal tool

¹ List of Protective Clothing and Safety Equipment is not limited to only Sampling Inspections.