

NC DEQ/DWR WASTEWATER/GROUNDWATER LABORATORY CERTIFICATION BRANCH

LABORATORY NAME:		CERT #:	
PRIMARY CONTACT:		DATE:	
NAME OF AUDITOR COMPLETING CHECKLIST (PRINT):			
SIGNATURE OF AUDITOR COMPLETING CHECKLIST:			

Field Lab Walkthrough Checklist

Inspection Type: Initial Maintenance Follow-up Abbreviated Requested

Date of Last Inspection: _____

Laboratory Classification: Field Municipal Field Industrial Field Commercial Field Field Other

Compliance Programs: check all that apply and list permit numbers (use comment section if needed)

<input type="checkbox"/> NPDES		<input type="checkbox"/> UST	
<input type="checkbox"/> Groundwater		<input type="checkbox"/> Pretreatment	
<input type="checkbox"/> Non-Discharge		<input type="checkbox"/> Stormwater	

Entrance Remarks:

<input type="checkbox"/> CPL Verified	<input type="checkbox"/> Lab and Contact information Verified	<input type="checkbox"/> Contract Lab used? List:
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Parameters: check all that apply Method(s): Circle applicable methods

Chlorine, Free Available	SM 4500 CI G-2011; SM 4500 CI D-2011; SM 4500 CI F-2011
Chlorine, Total Residual	SM 4500 CI G-2011; HACH 10014 ULR; HACH 10070 HR; HACH 8167; HACH 10025 ULR; SM 4500 CI B-2011; SM 4500 CI C-2011; SM 4500 CI D-2011; SM 4500 CI E-2011; SM 4500 CI F-2011; Orion Electrode, 1977
Conductivity	EPA 120.1, Rev. 1982; SM 2510 B-2011; SW-846 9050 A
Dissolved Oxygen	SM 4500 O G-2016; SM 4500 O H-2016; ASTM D888-12 (B); ASTM D8888-12 ©; Hach 10360, Rev. 1.2, 2011; SM 4500 O C-2016; In-Situ 1002-8-2009
pH	SM 4500 H ⁺ B-2011; SW-846 9040 C; SW-846 9045 D; EPA 150.2 (1982)
Residue, Settleable	SM 2540 F-2015
Salinity	SM 2520 B-2011
Sulfite	SM 4500 SO ₃ ²⁻ B-2011
Temperature	SM 2550 B-2010; USGS Method 1975
Turbidity	SM 2130 B-2011; EPA 180.1, Rev. 2.0, 1993; Mitchell Method M5271, Rev 1.0 (2008); Mitchell Method M5271, Rev 1.0 (2008) (inline); Mitchell Method M5331, Rev 1.0 (2008); Orion Method AQ4500, Revision 5 (2009)
VAR	Option 5; Option 6; Option 12

PLEASE COMPLETE CHECKLIST IN INDELIBLE INK
Please mark Y, N or NA in the column labeled LAB to indicate the common lab practice
and in the column labeled SOP to indicate whether it is addressed in the SOP.

	DOCUMENTATION	L A B	S O P	EXPLANATION
1	Are all manual data or log entries written in indelible ink? [15A NCAC 02H .0805 (g) (1)]			
2	Are all original records retained for at least 5 years? [15A NCAC 02H .0805 (g) (1)]			All analytical records, including original observations and information necessary to facilitate historical reconstruction of the calculated results, shall be maintained for five years. All analytical data and records pertinent to each certified analysis shall be available for inspection upon request.
3	Are error corrections made properly? [15A NCAC 02H .0805 (g) (1)]			All documentation errors shall be corrected by drawing a single line through the error so that the original entry remains legible. Entries shall not be obliterated by erasure or markings. Wite-Out, correction tape, or similar products designed to obliterate documentation are not to be used; instead the correction shall be written adjacent to the error. The correction shall be initialed by the responsible individual and the date of change documented.
4	Has the laboratory developed and implemented a documented training program with all required elements? [15A NCAC 02H .0805 (g) (5)]			<input type="checkbox"/> Documented education and experience <input type="checkbox"/> Signed and dated that read and understood SOP <input type="checkbox"/> Demonstration of capability for each parameter (excluding Temperature) <ul style="list-style-type: none"> <input type="checkbox"/> PT Sample or blind QC Sample <input type="checkbox"/> Side-by-side comparison <ul style="list-style-type: none"> <input type="checkbox"/> Acceptance criteria included <input type="checkbox"/> Formal IDOC <ul style="list-style-type: none"> <input type="checkbox"/> Acceptance criteria included
5	Does the laboratory have a documented system of traceability for all chemicals, reagents, standards and consumables? [15A NCAC 02H .0805 (g) (7)]			
6	Is all required documentation included in the system of traceability? [NC WW/GW LCB Traceability Documentation Requirements for Chemicals, Reagents, Standards and Consumables Policy]			<u>Purchased Consumables</u> <input type="checkbox"/> Date received <input type="checkbox"/> Date opened (in use) <input type="checkbox"/> Vendor <input type="checkbox"/> Lot number <input type="checkbox"/> Expiration date <u>Prepared Reagents</u> <input type="checkbox"/> Analyst's initials <input type="checkbox"/> Date prepared <input type="checkbox"/> Volume/mass of standard used <input type="checkbox"/> Solvent <input type="checkbox"/> Final volume of solution <input type="checkbox"/> Traceable identifier
7	Are chemical containers dated when received and when opened? [15A NCAC 02H .0805 (g) (7)]			
8	Are reagent containers dated, identified and initialed when prepared? [15A NCAC 02H .0805 (g) (7)]			
	QUALITY ASSURANCE	L A B	S O P	EXPLANATION
9	Are samples collected for analysis by a contract lab stored on ice or thermally preserved within 15 minutes to <6°C until relinquished? [40 CFR 136.3 Table II, footnote 18]			40 CFR footnote 2 allows 15 minutes for sample preservation, including thermal. This means that if a sample is received in the lab within 15 minutes, it is not required to be on ice. Document temperature downward trend for short transport samples.
10	If samples are stored in a refrigerator, is the temperature checked each day samples are held? [15A NCAC 02H .0805 (g) (1)] [NC WW/GW LCB Required Documentation for Sample Collection and Receipt Policy]			All analytical data and records pertinent to each certified analysis shall be available for inspection upon request.

