WATER QUALITY IMPLEMENTATION ON GEORGIA'S GOLF COURSES

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2017 GA ENVIRONMENTAL CONFERENCE

WATER QUALITY TESTS

- W1 - MINERALS + PH =$20
- W17 – TKN = $30
- W6 - NO3-N = $12
- W8- NH4-N = $12
- W24 – BOD = $40
- W25 – COD = $23
- W35 - *E. COLI* - $36
- W21 – TSS = $20
- W31 – TURBIDITY =$17
- W11 – CONDUCTIVITY = $13
- W27 – DRP = $18
- PESTICIDES = $100-$160

W1	**Basic Water Test** (Minimum Sample Amt.: 125mL) pH and Hardness, Phosphorus (P), Potassium (K), Calcium (Ca), Aluminum (Al), Boron (B), Chromium (Cr), Copper (Cu), Iron (Fe), Magnesium (Mg), Manganese (Mn), Molybdenum (Mo), Nickel (Ni), Silica (SiO_2), Sodium (Na), Zinc (Zn)	20.00	SPW
W6	**Nitrate-N** (NO_3-N) (Cd reduction colorimetric) (Minimum Sample Amt.: 125mL)	12.00	SPW
W8	**Ammonium-Nitrogen** (NH_4-N) (Minimum Sample Amt.: 125mL)	12.00	SPW
W11	**Soluble Salts** (Electrical Conductivity/Specific Conductance) (Minimum Sample Amt.: 125mL, Holding Time: 28 days)	13.00	FEW
W17	**Kjeldahl Nitrogen** (Minimum Sample Amt.: 500 mL, Holding Time: 28 days)	30.00	FEW

W21	**Total Suspended Solids** (TSS) (Minimum Sample Amt.: 1 Liter, Holding Time: 7 days)	20.00	FEW

W24	**Biochemical Oxygen Demand** (BOD) CALL FOR SCHEDULING Wednesday & Thursday 8:00 AM - 5:00 PM Friday 8:00 AM - 12:00 PM (Minimum Sample Amt.: 1000mL, Holding Time: 48 hours) **Note:** *If you have more than one BOD sample and we are not aware of them, please bring them on Wednesday or Thursday. Additional tests are required.*	40.00	FEW

W25	**Chemical Oxygen Demand** (COD) Minimum Sample Amt.: 125 mL, Holding Time: 28 days)	23.00	FEW

W27B	**Dissolved Reactive Phosphorus** (filtered, undigested) Minimum Sample Amt.: 125mL, Holding Time: 48 hours	20.00	FEW

W31	**Turbidity** - 48-h holding time, **ship overnight** or **drop off** (Minimum Sample Amt.: 125 mL)	17.00	FEW

W35	**Total Coliform** / ***E. coli*** (Colilert®) (Requires sample in a ***special bottle***. Drinking Water, Irrigation Water, GAP Program - Please download appropriate forms at: http://aesl.ces.uga.edu/forms under Microbiological Forms. For EPD Compliance / Regulatory samples, contact the lab for the appropriate submission form.) (Samples accepted Monday-Thursday 8:00am - 4:00pm)	36.00	FEW

W45	**Chlorinated Hydrocarbon & Organic Phosphate Insecticide** (Screen) Aldrin, Chlordane, DDD, DDE, Dieldrin, Endrin, Ethion, DDT, Heptachlor, Heptachlor Epoxide, Lindane, PCB 1242, PCB 1254, Malathion, Methoxychlor, Mirex, Parathion, PCB 1260, Toxaphene, Methyl Parathion	100.00	CEQ
W46	**Herbicide** Analysis Atrazine, Balan, Bromacil, Devrinol, Dual, Eptam, Goal, Hexazinone, Lasso, Ordram, Oxadiazon, Paarlan, Propachlor, Propazine, Prowl, Roneet, Sencor, Simazine, Mirex, Terbacil, Tillam, Tolban, Treflan, Vernam	100.00	CEQ
W47	**Phenoxy Acid Herbicide** Analysis 2-4-D, 2,4,5-T, 2,4-DB, Dicamba, Picloram, Silvex, Triclopyr, MCPP * * Special request (by HPLC Method)	100.00	CEQ
W48	**Termiticide** Analysis Dursban, Chlordane, Cypermethrin, Bifenthrin, Pydrin, Permethrin	100.00	CEQ
W49	**Volatile Organic** Analysis Acetone, Benzene, Bromobenzene, Bromochloromethane, Bromodichloromethane, Bromoform, Butylbenzene, Carbon Tetrachloride, Chlorobenzene, Chloroethane, Chloroethyl Vinyl Ether, Chloroform, Cymene (Isopropyltoluene), Dibromochloromethane, Dichlorobenzene, Dichlorodifluoromethane, Dichloroethane, Dichloroethylene, Dichloropropane, Dichloropropene, Ethyl Benzene, Hexanone, Isopropylbenzene, Methyl Bromide, Methyl Chloride, Methyl Pentanone, Methylene bromide, Methylene Chloride, M,P-Xylene, MTBE, Naphthalene, O-Xylene, Propylbenzene, Styrene, Tert-Butylbenzene, Tetrachloroethene, Tetrachloroethylene, Toluene, Trichlorobenzene, Trichloroethane, Trichloroethylene, Trichlorofluromethane, Trichloropropane, Trimethylbenzene, Vinyl Acetate, Vinyl Chloride	125.00	CEQ
W50	**BTEX** (only) Benzene, Toluene, Ethyl Benzene, m,p-Xylene, MTBE, O-Xylene	100.00	CEQ

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HACH TEST KITS

HACH LAB SET-UP

NITRATE HACH TESTS

TNT835: Nitrate TNTplus Vial Test, LR (0.2-13.5 mg/L NO₃-N)	TNT plus™	.23 - 13.50 mg/L NO_3^--N	10206 Spectrophotometer, LR, TNTplus 835	Y		$41.85	Add to Cart » Add to Quote
	TNT plus™	0.2 - 13.5 mg/L NO_3^--N	10206	Y			
	TNT plus™	1.00 - 60.00 mg/L NO_3	10206 Spectrophotometer, LR, TNTplus 835	Y			

LAMOTTE TEST KITS

TESTING TIMES

- TEST AT LEAST YEARLY
- TEST WITH HACH, LAMOTTE OR OTHER KITS AT LEAST MONTHLY

REASON FOR TESTING

- LET YOU KNOW WHAT IS HAPPENING ON THE COURSE
- HAS SOME DATA TO SEE WHAT IS HAPPENING
- SEE IF THERE ARE ANY ISSUES ON THE COURSE

Questions?

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