



ELECTROMEDIA[®] FILTRATION SYSTEMS GENERAL MINERAL ANALYSIS FORM

This General Mineral Analysis Form includes general information and other essential data needed for the proper design of the pretreatment and filtration system. The tests are to be performed by qualified personnel with appropriate water quality monitors. If customer personnel are not qualified, we suggest that an independent certified laboratory be hired to perform these tests, to ensure that the test data provided to Filtronics is accurate and complete. **Please complete this form for each well that is to be treated.**

Customer

Consulting Engineer

Address

Address

City State Zip Code

City State Zip Code

Telephone Fax

Telephone Fax

Project Engineer

Project Engineer

GENERAL INFORMATION

Project Name: _____

Well No.: _____

Well Flow: _____ gpm Static Pressure: _____ psi

Working Pressure: _____ psi Reservoir Capacity: _____ gallons

Backwash Water Source: System Separate tank

Backwash Water Disposal to: Sewer Drying Bed Holding Tank Other-Specify

Backwash Water Reclaim system required: Yes No

Number of wells to be filtered: _____ **Please complete one form per well.**

New well? Yes No Well flow rate when samples taken _____ gpm

GENERAL MINERAL ANALYSIS

CATIONS

mg/l (ion)

Arsenic, As
Iron, Fe
Manganese, Mn
Magnesium, Mg
Calcium, Ca
Sodium, Na
Potassium, K

ANIONS

Bicarbonate as HCO₃
Chloride, Cl
Sulfate, SO₄
Fluoride, F
Nitrate, NO₃
Phosphorous, PO₄

Carbon Dioxide, CO₂ (Calculated)
Hardness as CaCO₃
Alkalinity as CaCO₃
Total Dissolved Solids, TDS
Total Organic Carbon TOC
Lab pH (@____°F)
Field pH (@____°F)
Lab Hydrogen Sulfide, H₂S
Water Temperature (In °F)
Conductivity
Turbidity
Ammonia Nitrogen (NH₄)

RO and ARSENIC APPLICATIONS:

Silica, SiO₂
Barium, Ba
Strontium, Sr
Vanadium, V

NOTES:

1. Please provide schematic drawing of system including well(s), distribution main, reservoir, and proposed treatment plant site plot plan. Include minimum and maximum amount of water stored in reservoir.
2. Field testing can be performed to accurately determine system performance using our full-scale 20 diameter skid mounted Electromedia® pilot unit or a smaller portable version for a treatability study. From either study, the data developed is sufficient for Filtronics to warrantee the effluent water quality.
3. Please follow your laboratory's instructions for proper sampling, preservation, and handling procedures.

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