

Groundwater Supply and Quality Testing

Prior to beginning development activities on the site, prepare a work plan for establishing groundwater quality and estimating well yield characteristics. The intent being to characterize the condition of groundwater supply in the vicinity of the PREIT/New Garden/Chesco Limited Partnership and PR New Garden Limited Partnership ("PREIT") development in New Garden Township, Chester County. Submit the work plan to the Township for review and approval, prior to commencement of land development activities.

The work plan shall address the following:

Well Yield

1. General Location Plan of wells in the area of the work site
2. Name, address, phone number of property owner
3. Site visit to interview and obtain information relative to supply, plumbing system and operation
4. Sketch of well location, details of well construction including driller, year constructed yield, water level, pump location. Note variation of yield.
5. General usage number residents and bathrooms frequency of laundry
6. Note type of water treatment or filtration, if any

Ground Water Quality*

pH	Silica
Total Alkalinity (CaCO ₃)	Arsenic
Total Filterable Residue	Barium
Total Ammonia Nitrogen	Cadmium
Total Nitrite-Nitrogen	Chromium (total)
Total Nitrate-Nitrogen	Copper
Total Phosphorous	Iron
Total Organic Carbon	Lead
Total Hardness	Manganese
Calcium	Zinc
Magnesium	Mercury
Sodium	Turbidity
Potassium	Total Suspended Solids (TSS)
Chloride	Coliform
Sulfate	

* Certain testing will be conducted in the field, rather than through samples submitted for laboratory analysis.

Volatile Organic Compounds (VOCs) EPA Method 524

Semi-Volatiles Acid/Base Neutral Extractables EPA Method 525

Pesticides EPA Method 505

Exhibit "L"