

## **Pumping Monitoring and Mitigation Plan Amendment –Well #14 Town of Hamilton**

Analytical Services, Inc. and TRIAD Engineering, Inc. are pleased to present the following pumping, monitoring and mitigation plan (PMMP) Addendum for Well #14 that has been prepared on behalf of our client, the Town of Hamilton (the Town.) This amendment addresses concerns expressed from the Loudoun County (the County) Planning Commission regarding SPEX 2010-005.

### **Purpose of the PMMP**

The PMMP has been developed to both monitor water withdrawal from Well 14 and to monitor the impact that Well 14 may have on surrounding wells. Evaluating for impact will be done primarily by analyzing data collected from select wells that are in proximity to Well 14 (monitored wells). The goal of the plan is to identify groundwater monitoring trends that may suggest adverse impacts on surrounding wells and take enable remedial action before the productivity of a surrounding well is compromised to an unacceptable extent. In summary, the PMMP is designed to enable remedial action before there is an adverse impact on a surrounding well. Adverse impact is defined as an interruption in water service that is solely caused by the Town's use of Well 14. In the unlikely event that adverse impact occurs before remedial action is undertaken, the following proposed amendments to the PMMP are offered.

### **Point of contact**

The Town will coordinate with the County to establish a point of contact, likely within the Department of Building and Development, or in other departments as appropriate. The identified office will be where homeowners, residing within the County, report adverse impacts in the first instance. The contact number for the Town of Hamilton is 540-338-2811. After Business hours and weekends, the Town of Hamilton contact number is 540-454-7155, Director of Utilities. All contact information will be posted on the Town's website. Homeowners who suspect a problem will contact the County first and then, only then, the Town.

### **Timeframes**

When an adverse impact is reported to the designated County office, the first step will be to determine whether or not the adverse impact is solely caused by the use of Well 14. This determination will be made by the County and representatives of the Town based upon an analysis of the PMMP monitoring data and the nature and scope of the reported problem. Every effort will be made to initiate the data analysis within 24 hours of when the report is received. If the problem is determined to be solely caused by Well 14 pumping, appropriate remedial action will be undertaken. If the problem is ultimately determined to be unrelated to the use of Well 14, and the County and/or the Town incurs remediation costs, the homeowner shall reimburse the Town and/or the County. The

homeowner may be asked to execute a reimbursement/ indemnification agreement before any investigation on the subject property takes place or any remediation effort is undertaken.

**Posting of Data**

Information regarding the PMMP and Monitoring Reports will be posted on the Town's web site.

**Monitoring data for projected Town needs**

As a part of the monitoring plan, the Town will pump Well#14 at a rate that will provide for both the existing and anticipated future water requirements from Well #14. The Town has nine other wells that are also used to meet the Town's needs.

**Monitoring data from drought conditions**

The Town will monitor during drought conditions in accord with recommended SPEX 2010-0005 Condition 2 which provides that monitoring will extend one year beyond the next one year period October 1-September 30 that exhibits moderate drought conditions in Loudoun County. (Reference SPEX 2010-0005 conditions); provided, however, that the County reimburses the town for all monitoring costs incurred as a result of extending the duration of the PMMP to include a period of moderate drought and one year thereafter.

Respectfully Submitted,

Michael L. Maloy, CPG  
Analytical Services, Inc.

cc: William J. Mikalik, CPG