

Lexington Quarry Well Investigation and Contingency Plan

July, 2016

Receipt of an Investigation Request

Should Lexington Quarry receive a telephone call from a well owner complaining about their water supply, facility personnel will be instructed to ask the caller for their name, address, telephone number and brief description of the problems they are experiencing. Lexington Quarry will immediately contact DHEC by telephone and follow up by e-mail to inform DHEC of receipt of a reported well problem call and provide the well owner's contact information. DHEC will contact the well owner to acknowledge their reported well problem.

Immediate Assistance

For immediate response to the call once the problem has been confirmed, Lexington Quarry will initially supply up to fifty (50) one-gallon containers of potable water to the well owner. Additionally, Lexington Quarry will supply another 300 gallons of non-potable water for other general needs. This will be supplied in a single container on a utility trailer. Additional water will be supplied as needed throughout the investigation process.

Any assistance provided by Lexington Quarry to the well owner is voluntary and such assistance by Lexington Quarry should not be considered Lexington Quarry's responsibility nor should it be considered a condition to require Lexington Quarry to assist another well owner who may experience well malfunctions that are determined by DHEC to be unrelated to the Lexington Quarry.

Investigation

DHEC personnel will be responsible for investigating reported well problems. DHEC will conduct any investigations to determine if the Lexington Quarry is responsible for lowering groundwater at a domestic well to an elevation (msl) that adversely impacts the functioning of the water well. The investigation will give primary consideration to groundwater data collected in the groundwater monitoring well network. If water levels in the monitoring well network indicate groundwater levels are lower than expected, DHEC can measure the groundwater level in the reported malfunctioning water well. Other information that may be considered in determining if the water well is adversely impacted by the Lexington Quarry:

- Data collected from the water well inventory
- Location of the reported water well
- Groundwater level(s) in other nearby domestic water wells
- Weather data collected from US Weather Service and from on-site rain gauge
- Anecdotal information as provided by the well owner on the well operating history
- Seasonal impact on water well levels
- Type, construction and age of well

Within 24 - 48 hours from receipt of a reported well malfunction, DHEC should make a preliminary determination on the probability whether or not the Lexington Quarry may be a significant factor in causing the reported problem. This preliminary determination should be based on review of the groundwater levels in the monitoring well network.

Findings / Conclusions

If based upon DHEC's preliminary assessment that the Lexington Quarry may be a significant factor in causing a reported water well problem, DHEC will contact Lexington Quarry to report their preliminary findings and require Lexington Quarry to continue to provide temporary drinking water to the potentially impacted well owner. If further investigations determine the Lexington Quarry has a significant impact to the reported water well, Lexington Quarry shall supply the owner of an adversely impacted well with temporary water supply (e.g., bottled water for drinking/cooking, provisions for laundry services, etc.) until a permanent water supply is re-established.

Lexington Quarry shall have the opportunity to immediately review all data relied upon by DHEC in responding to a complaint. In addition, Lexington Quarry will also work with DHEC and the well owner to investigate the potential cause(s) of the well drawdown. Lexington Quarry will report the results of its investigation into the matter to DHEC as soon as practicable.

After review and input from the well owner and Lexington Quarry, if DHEC determines that a water well is being adversely affected by pit dewatering, Lexington Quarry will be responsible for mitigating the impact. Possible mitigating measures include, but are not limited to, improving an existing well, installing a new well or connecting the well owner to public water system.

- Improving existing well or installing a new well. Lexington Quarry will pay for certified well driller and related expenses necessary to provide potable water to the well owner.
- Connecting to a public water system. Lexington Quarry will pay for all ordinary and necessary costs associated with labor, materials and fees required by a municipal supplier, as available, to connect new water customers to their system. A well owner connected to any such water system will be responsible for paying monthly water bills.