

## **Lafarge Dundas Residential / Agricultural Well Complaint Action Plan**

### Zone 1

***600m from Dundas South Quarry Extension extraction boundary and municipal address 924 4<sup>th</sup> Concession Road West, 801 Collinson Road / 801 Highway #5 West on the city of Hamilton maps, and 447 Moxley Road***

- a) If a water well compliant is received by the Licensee for locations within Zone 1 (i.e. within 600m and municipal address 924 4<sup>th</sup> Concession Road West, 801 Collinson Road / 801 Highway #5 West on the city of Hamilton maps, and 447 Moxley Road) the following actions will be taken:
- The Licensee will contact local well contractors in the event of a well malfunction and those within this zone will be immediately supplied a temporary water supply if the issue cannot be easily determined and rectified (see steps below);
  - The available contactor will then respond to the resident with the supply issue and rectify the problem as expediently as possible, provided landowner authorization of the work;
  - If the issue raised by the landowner is related to loss of water supply, the Licensee will have a consultant/contractor determine the likely causes of the loss of water supply, which can result from a number of factors, including pump failure (owner's expense), extended overuse of the well (owner's expense) or lowering of the water level in the well from potential Quarry interference (Licensee's expense). This assessment process would be carried out at the expense of the Licensee and the results provided to the homeowner;
  - The consultant/contractor will be able to readily determine if pump failure is the problem and, should the landowner choose to have the pump repaired or replaced at their expense, the contractor would correct the situation for the land owner.
- b) If it has been determined that the Quarry caused the water supply interference, the Quarry shall continue to supply water at the Licensee's expense until the problem is rectified. The following mitigation measures shall be considered and the appropriate measure(s) implemented at the expense of the Licensee:
- Adjust pump pressure;
  - Lowering of the pump to take advantage of existing water storage within the well;
  - Deepening of the well to increase the available water column;

- Widening of the well to increase the available storage of water;
- Relocation of the well to another area on the property;
- Drilling of multiple low yield wells;
- Implementation of additional storage that can be filled with water from the existing well on a low yield setting; and
- At the request of a landowner, a cistern could be installed.

## Zone 2

### ***600m to 1500m from Dundas South Quarry Extension extraction boundary***

- a) The likelihood of a well impact beyond 600m is small. If, however, a water well compliant is received by the Licensee for locations within Zone 2 (i.e. 600m to 1500m), the following actions will be taken:
- A Lafarge representative will visit the site to discuss the issue with the landowner, and
  - If it is determined that the Quarry may have had an effect on the well, then the actions outlined above for Zone 1 wells will be employed for the affected well

## Zone 3

### ***> 1500m from Dundas South Quarry Extension extraction boundary***

- a) If a complaint is received beyond 1500m, the Licensee will contact the resident to discuss the issue.
- b) If it is determined similar issues are occurring in the adjacent Zone 2 wells and the quarry has had an effect on the well(s) then the actions outlined above for Zone 2 wells will be employed for this affected well in Zone 3.

## Contacts

### **Lafarge Contact:**

Plant Administration – (905)527-3671, Ext 1 or (905) 538-0636

### **MECP Contact:**

Water Wells Help Desk – (888)-396-9355

[wellshelpdesk@ontario.ca](mailto:wellshelpdesk@ontario.ca)