

Project: Proposed Flamborough Quarry Pump Test
Date: Thursday July 24, 2008 (Day 4 of Pump Test)

Hydrology Summary (Surface Water and Precipitation)

- A trace amount of precipitation equal to approximately 1.0 mm was observed in the last 24 hours (i.e. between approximately 1 pm on Wednesday July 23rd, 2008 to Thursday July 24th, 2008 at 1 pm).

A precipitation of 44.4 mm was observed on Tuesday July 22, 2008 at the on-site rain gauge. Rainfall in the early am totaled 0.8 mm, followed by a more significant event in the afternoon observed to be approximately 26.4 mm. A final rainfall event in the evening was observed to be approximately 17 mm.

- The response in Mountsberg Creek continued to peak in the morning of July 24th, 2008 and have now started to drop as verified from the last download at approximately 12 pm with a level of 283.52 masl. This level corresponds to a flow of approximately 1.21 m³/s at Station SW-MC at the northwest corner of the site.

- Water quality results at the creek stations were relatively consistent with results observed on Day 1 to Day 3 of the pump test, along with baseline measurements performed on Thursday July 17, 2008. Conductivity levels were slightly lower in Mountsberg Creek as expected during a rainfall-runoff response.