

# Memo

To : Mal Wensierski

Date : 2/25/2013

Lafarge Canada Inc.

Re. : Private Well Survey Update

From : Andrew Pentney

CC :

Project : Lafarge Oro Pit

As requested, this memo provides a summary of the private well survey completed to date at the Lafarge Oro Pit. The private well survey was initiated to satisfy the Hydrogeologic (Groundwater) monitoring conditions outlined on the approved Site Plan.

The monitoring conditions indicate that, with the permission of home owners, water levels and water samples be obtained at domestic wells within 300 metres of the site. The attached air photo shows the addresses of the surrounding properties, in addition to the location of specific residences within 300 metres of the Oro Pit.

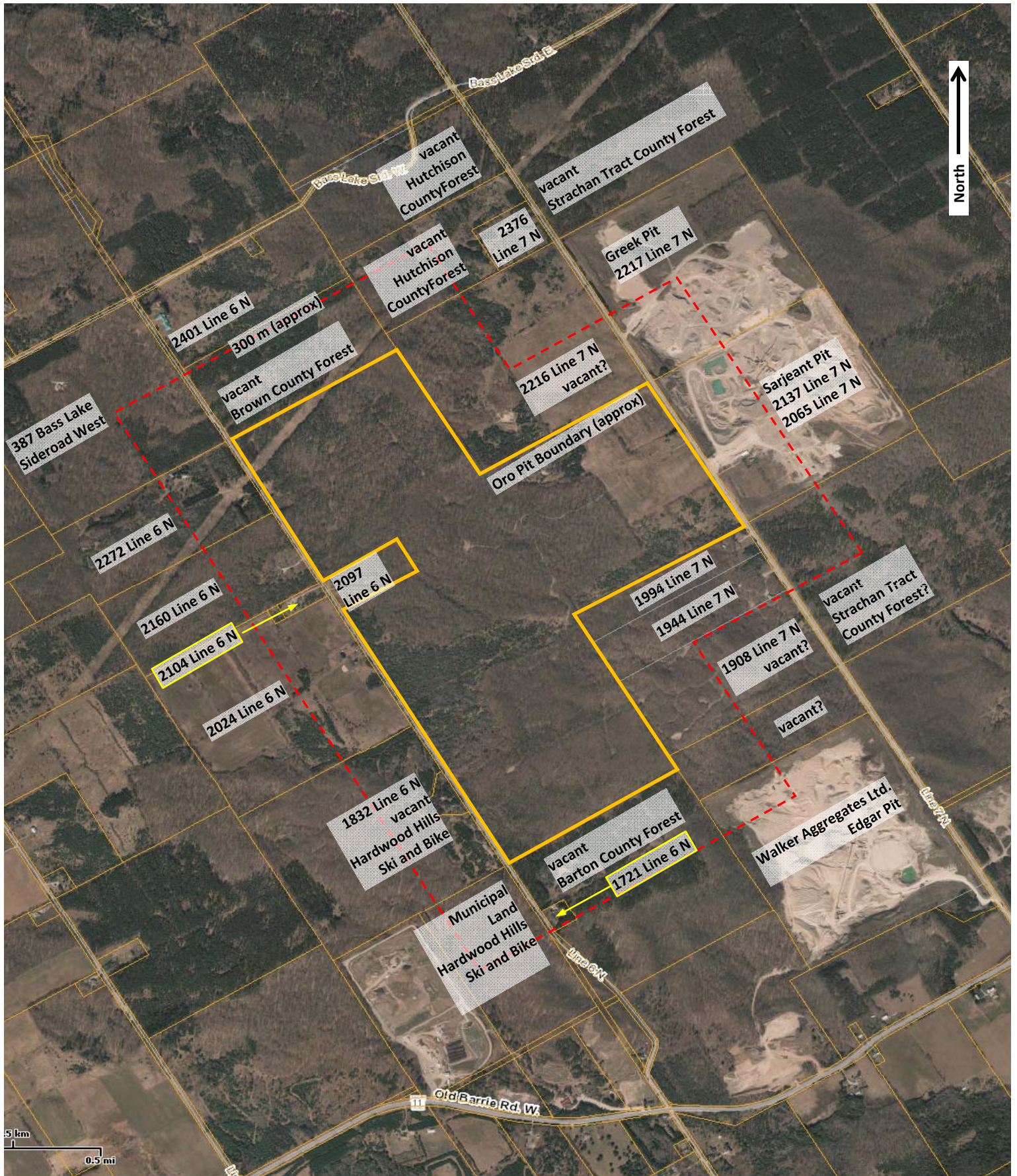
The first step in satisfying this monitoring condition is to complete a water well survey to obtain information regarding these wells and requesting permission to obtain a water level measurement and water quality sample. This work was initiated by Eric Isenor (Oro Pit Plant Manager, Lafarge). Eric delivered a contact / information letter and request. This was followed up by two door to door visits by Dave Nahrgang (Groundwater Science Corp.), on December 17, 2012 and February 21, 2013. A second letter was delivered on February 21<sup>st</sup> again requesting participation and stating that the survey would be finalized by March 8, 2013.

The survey results to date are summarized on the attached table. A total of 20 properties were visited. As illustrated in the summary, on Line 6 North there are 5 residences within 300 m of the pit; and, on Line 7 North there is only one residence within 300 m of the pit (note that this property is also owned by Lafarge). The remainder of the properties within the 300 m survey radius are either vacant, County Forest lands, or in use as aggregate extraction sites (gravel pits).

One survey response was received and based on the permission granted a water quality sample was obtained on February 21<sup>st</sup>. In addition, on-site water level and water quality monitoring has been initiated. We are expecting the first analysis results this week.

Sincerely,

Andrew Pentney, PGeo.  
Hydrogeologist



Lafarge Oro Pit Address Map  
 Not To Scale

**Private Water Well Survey - Results Summary**

Lafarge Oro Pit

Street Address (emergency locate no.)	Survey Dates		Survey Response	Number of Wells	Type of Well	MOE Record Available	Well Depth (m)	Comment / Details Provided on Survey
	First	Second						
<b>Line 6 North</b>								
1721 Line 6 North	19-Nov-12	21-Feb-13	none	n/a	n/a	n/a	n/a	survey form provided
Barton County Forest	19-Nov-12							address unknown (Line 6 N), no residence
1832 Line 6 North	19-Nov-12		none					including Hardwood Hills Ski and Bike, no residence
2024 Line 6 North	19-Nov-12	21-Feb-13	none	n/a	n/a	n/a	n/a	survey form provided
2097 Line 6 North	19-Nov-12	21-Feb-13	none	n/a	n/a	n/a	n/a	survey form provided
2104 Line 6 North	19-Nov-12		28-Jan-13	1	drilled	yes	55.8	water quality sample taken 21-Feb-13
2160 Line 6 North	19-Nov-12	21-Feb-13	none	n/a	n/a	n/a	n/a	survey form provided
2272 Line 6 North	19-Nov-12	21-Feb-13	none	n/a	n/a	n/a	n/a	survey form provided
Brown County Forest	19-Nov-12							address unknown (Line 6 N), no residence
<b>Line 7 North</b>								
Walker Aggregates Edgar Pit								address unknown (Line 7 N), no residence
Vacant Land north of Edgar Pit								address unknown (Line 7 N), no residence
1908 Line 7 North	19-Nov-12		none					vacant, no residence
Strachan Tract Count Forest	19-Nov-12							address unknown (Line 7 N), no residence
1944 Line 7 North	19-Nov-12	21-Feb-13	none	n/a	n/a	n/a	n/a	property owned by Lafarge
1994 Line 7 North	19-Nov-12		none	n/a	n/a	n/a	n/a	vacant property owned by Lafarge
2065 Line 7 North - Sarjeant Pit								no residence
2137 Line 7 North - Sarjeant Pit								no residence
2216 Line 7 North	19-Nov-12		none					vacant, no residence
2217 Line 7 North - Lafarge Greek Pit								no residence
Hutcheson County Forest	19-Nov-12							address unknown (Line 7 N), no residence
<p>Note - Well Record correlated to address based on reported location in addition to survey details such as age, depth, well type, etc.                      - details provided as reported on well record if available, or, as reported by owner                      - survey response summary as of February 25, 2013</p> <p style="text-align: right;">n/a = not available</p>								