

8<sup>th</sup> February, 2016

Breeda Evans  
PO Box 7116  
LISMORE HEIGHTS NSW 2480

Dear Breeda,

**RE: 30 Blue Hills Avenue, Goonellabah – Soils Analysis - EAL Job Number E6813**

The following comments relate to 24 soil samples (composited into 6 samples for analysis) for contamination assessment collected by John Giles of EAL on the 23<sup>rd</sup> December, 2015. The analyses included heavy metals and organo-chlorine pesticides.

A mud map is attached below to identify the sample collection sites and the compositing sample sites. In regard to the analysis of the soil samples, no evidence of contamination was found – heavy metals are all at low background concentrations and no pesticides were detected.

The following guidelines were used in assessing the results provided:

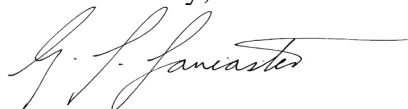
- HIL A - Residential with garden/accessible soil (home grown produce <10% fruit and vegetable intake (no poultry), also includes childcare centres, preschools and primary schools (Reference: The Health Investigation Guidelines from NEPM (National Environmental Protection, Assessment of Site Contamination, Measure), 2013; Schedule B1).

The manganese and chromium was elevated, however it is believed to be naturally occurring in these soils and believed to relate to the volcanic origin of the soil. Additional total Chromium, Manganese and Iron data is provided on the results table to identify the correlation of these metals also as elevated in these samples and hence confirmation as likely natural volcanic origin.

I believe this soil is not contaminated with no potential issues of concern.

Please contact the laboratory if you have any queries.

Yours faithfully,



Graham Lancaster,  
Laboratory Manager



Figure 1: Soil sampling locations within the investigation area (Source: Spatial information exchange (SIX) NSW Government. Department of Finance and Services).