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**To:** zba@carlisle.mec.edu, boardofhealth@carlisle.mec.edu

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**Subject:** Question on Nobis 30 September Report,

Hello - I am the owner of the 68 Garnet Rock Lane property that abuts the proposed 100 Longridge 40B. I have been reading the Nobis report and am confused by some wording, the extraction of which is below.

It says the concentration is between 1 and 3mg/L near the well receptors. But It doesnt say which well receptors. Reading the report with a focus on my well, I interpret the concentration to be ~16mg/L.

The report should clarify to which well receptors it is referring and be inclusive of all affected well receptors?..

Please advise.

Thanks  
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The NGI 2016 report includes results of new nitrate dispersion analyses, provides a summary of the proposed PWS, comments on mass balance/nitrate loading analyses, and discusses other aspects of the revised 40B proposal, but does not provide any new on-site data. NGI's dispersion results assume overburden groundwater flow patterns similar to those interpreted by Nobis and provide nitrate concentration results ranging from less than 1 mg/L to about 3 mg/L at potential well receptors. Higher results, up to 17 mg/L were obtained for flow lines that terminate at property boundaries. The results apply to overburden, not bedrock, groundwater. Existing background concentrations for nitrate in groundwater probably range from 0.5 mg/L to 1.0 or 1.5 mg/L.