



Date: 9/21/09
To: **Peter Lowitt**
Cc: Neil Angus
From: Doug Sheadel
RE: Review of the CTA Compliance Measurements, September 12 and 13, 2009

Peter,

I have reviewed the Cavanaugh Tocci / Evergreen Solar facility noise measurement and analysis for the measurement period September 12 and 13 2009 that addresses sound levels at the DREZ property line receptor R1. The summary itemizes the measured spectra over a daytime period on September 12 followed by nighttime and daytime measurements on September 13. The field measurements were conducted to evaluate compliance with the DEC condition #1 related to the Evergreen Solar Noise Violation Resolutions. Modeling Specialties were present to witness the CTA collection of data. In addition, simultaneous measurements were made at Receptor R1 using independent Modeling Specialties equipment. Representative samples were analyzed to eliminate the influence of insects. While separate data streams can be expected to have minor variation, the Modeling Specialties data is very close to the CTA results, confirming CTA results. The measured sound levels of 38 dBA or lower at R1 indicate compliance with the Resolution's required nighttime goals. It is noted that the nighttime goal was frequently achieved both at nighttime and also during daytime periods when the ambient levels were low.

The Cavanaugh & Tocci analysis documented the A-weighted sound level at the nearest DREZ property line. They evaluated the measured spectra for insect influences and modified the curves to correct for the insect sound intrusion. The September 12 and 13 measurements of 37 and 38dBA at R1, in conjunction with the July 25 and August 8 measurements, confirms compliance with condition #1 of the July 14, 2009 DEC Resolution. Additional requirements must still be met by Evergreen Solar prior to achieving full compliance with the Resolution."

Based on the review, Modeling Specialties concurs with the CTA measurements and the subsequent analysis. Thank you for the opportunity to review the Evergreen Solar/CTA study.

Sincerely,
Modeling Specialties,

A handwritten signature in black ink that reads "Douglas L. Sheadel". The signature is written in a cursive, flowing style.

Douglas L. Sheadel
Principal Scientist