

**From:** John Castleberry [mailto:j\_castleberry@ca.rr.com]  
**Sent:** Monday, May 25, 2009 12:38 PM  
**To:** Harry Tow  
**Subject:** Mitigation of Air Emissions from Leprino Expansion

Harry,

I reviewed Environ's truck emission calculations for Leprino Foods and they look fine. Here are the details: Environ provided me with EMFAC2007 output files (with the Burden option) for the revised truck fleet age. Environ used EMFAC2007 instead of URBEMIS2007 because the former gives more flexibility in adjusting fleet mix. This is OK because EMFAC is the platform upon which URBEMIS is based. However, Environ did not provide their calculations of the emission rates based on the EMFAC2007 output files, so I attempted to duplicate their calculations. I came up with annual truck NOx emissions of 75.6 ton/yr for the proposed project (analysis year 2009) and 47.8 ton/yr for existing conditions (analysis year 2007). The resulting project increment is 27.8 ton/yr from trucks, which is similar to Environ's result. Note that this increment does not include employee trips or any stationary NOx emission sources at the plant.

I have attached Environ's EMFAC2007 output files with my emission calculations superimposed over them (my calcs are highlighted and appear in the first 8 rows of the EMFAC2007 output files).

Also note that these revised truck emission calculations assume the following:

For existing conditions (analysis year 2007), the truck fleet consists of truck model years 2003 through 2007 only. For the proposed project (analysis year 2009), the truck fleet consists of truck model years 2004 through 2008 only. For both scenarios, the number of truck trips & miles driven are spread equally to each model year in the fleet.

Please give me a call if you need anything else. Thanks,

**John Castleberry**

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