



El Dorado County Air Quality Management District

Dave Johnston, Air Pollution Control Officer

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11/14/2017

Mr. Sean McCoy
E Program, Global Security
Lawrence Livermore National Laboratory
P.O. Box 808, L-103
Livermore, CA 94551

RE: Autothermal Pyrolysis Demonstration Project Camino California

Dear Mr. McCoy:

El Dorado Air Quality Management District (AQMD) supports your proposed California Energy Commission grant funded Autothermal Pyrolysis project. We understand this process will convert up to 50 tons per day of forest biomass wood waste into a phenolic oil that could be refined to a low carbon transportation fuels and other commercially viable products.

California mountain counties are faced with an overabundance of wood waste due to the recent tree mortality crisis. The development of a cost effective process to produce a renewable fuel could result in the removal of substantial amounts of forest wood waste. Based upon data provided by your subcontractor Iowa State University and compared to wildfires and prescribed burning, autothermal pyrolysis of wood waste will significantly reduce air emissions. Estimated emission reductions include VOCs by 93%, NOx by 89% and PM10 by 97% as compared to wildfire emissions.

Our AQMD staff will support this project by participating in the CEQA review process and working with you to evaluate the process and determine applicable source permit conditions and best available control technologies. Please contact Air Pollution Control Officer Dave Johnston with any questions about the source permitting process.

Sincerely,

Shiva Frentzen, Chair
EDC AQMD Board of Directors