**From:** Rainey, Chuck <CRainey@scsengineers.com>
**Sent:** Friday, October 30, 2026 4:13 PM
**To:** Baitong Chen
**Cc:** Kevin Green; Nathaniel Dickel; Stephens, Gabrielle
**Subject:** RE: Additional Information Request for AN 670932-5 ID 119219 Chiquita Canyon Landfill
**Attachments:** South Coast AQMD Inv# 31453.pdf

Good afternoon Chris,

See attached the payment voucher for the additional fees.

See also our responses to the additional questions below. Please note, we are still working to compile the serial numbers and latest map, so we request an extension until next week to respond to the final line item. All responses are in red:

- Whether the inlet landfill gas/vapor flow rate is 2305 scfm or 2350 scfm (there are inconsistencies between the forms and written project details). 2,305 scfm.
- Whether the rating of the three units is 42 MMBtu/hr or 30 MMBtu/hr (there are inconsistencies between the forms and written project details). 42 MMBtu/hr.
- Whether the equipment is able to meet the Rule 1118.1 and BACT/LAER requirements for a landfill gas flare, including both emission and equipment requirements (e.g. knockout vessel, retention time, etc.). After discussions with the manufacturer, they have indicated that preliminary industry testing suggests a reasonable likelihood of achieving the requested performance targets under Rule 1118.1 and BACT/LAER. However, it is important to note that prior testing did not account for elevated hydrogen concentrations, which are present in this case and are expected to increase NOx emissions. Additionally, the absence of oxygen could negatively impact combustion characteristics. Oxygen premixing typically promotes more complete and rapid combustion, which helps reduce NOx; its removal may therefore lead to higher emissions. Ultimately, source testing of the unit will be necessary to validate performance under actual operating conditions. Currently, the operating temperature, gas composition, and flow rate appear to be near the optimal range for meeting the specified performance criteria. That said, fluctuations in Methane, Hydrogen, and Oxygen concentrations could adversely affect results. As such, we would need to confirm all performance criteria and limits through testing.
- Provide the serial numbers for each unit and identify their locations on a map. We are gathering this data, will send as soon as possible.

Thank you,

SCS ENGINEERS
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