

Archived: Friday, February 6, 2026 9:14:01 AM
From: [Jones, Art](#)
Sent: Thu, 5 Feb 2026 11:13:00
To: [Nathaniel Dicke](#)
Cc: [Lizabeth Gomez](#)
Subject: RE: Questions: Chiquita Canyon Gas Collection and Control System
Importance: Normal
Sensitivity: None

Good Morning Nate

Please see below for your questions and updated answers. I wanted to thank you again for understanding my situation yesterday.

Have a great day.

Sincerely,
Art

Thank you for taking my call earlier to discuss Chiquita Canyon's gas collection infrastructure and control equipment (and thank you for taking my call as well, Bill). I wanted to summarize my understanding of the equipment and operations, based on the call, and had a few follow-up questions as shown in **bold** below. Please provide responses to the follow-up questions by end of day **2/4/26**.

- Methane Sampling and Methane Analyzing
 - Methane sampling (with subsequent lab analysis) is conducted daily at the sampling port just prior to the flare station blowers. This location is downstream of the leachate tie-in and GAC vessels.
 - Analyzers are used to take additional readings at each flare inlet prior to mixing, and at flares 2 and 3 after their mixing chambers (flare 1 is naturally aspirated with no mixing chamber).
 - **Follow-Up:** *Can you please verify the source of the attached gas composition data (i.e. lab analysis or analyzer readings)? This data was recently received from Gabrielle as part of an information request (see attached email). It does not match the lab analysis data we see in the Monthly Reports. The data in the table is from field instruments, either a Gem 5000 or Envision meter*
 - **Follow-Up:** *The Monthly Reports typically list the sampling location as the FL-2009 inlet, and sometimes the FL-1995 or FL-2023 inlet. Can you provide further information on these flare sampling locations, and the appropriate naming of the locations if samples are typically taken upstream of the flare station blowers? The location is dictated by condition 5 of the sofa*
 - **Sample, analyze, and record the landfill gas sulfur compounds combusted in each flare (as measured at sampling location FL-150 that is representative of the gas combusted in the flares), in the thermal oxidizer/flare, and in any other landfill gas control equipment operating on site at least once each week using colorimetric tests for H₂S and at least once each day sample for analysis for total sulfur compounds as H₂S using SCAQMD Method 307-91. Additionally, sample, analyze, and record the landfill gas sulfur compounds and speciated organic compounds found in the raw, pre-treatment and pre-control, landfill gas collected from the Reaction Area at least once each calendar month for total sulfur compounds as H₂S using SCAQMD Method 307-91 and for speciated organic compounds using US EPA Method TO-15.**

- **Follow-Up:** *Are these pre-blower sampling locations upstream or downstream of the moisture separator(s)?*
downstream,
- Gas Collection System
 - The entire gas collection system is interconnected, with header isolation valves in a standard open position, unless closed for things like construction. So gas can go freely throughout the system, with operation of the system based on ensuring sufficient vacuum at wellheads.
 - The current configuration of the system has been in place since around October 2025 when the Hero TOx was installed and Parnell relocated. The configuration generally includes the Hero TOx primarily handling the northern area of the reaction, Zeeco primarily handling the southern reaction area and leachate vapors, Parnell primarily handling central reaction area, and flare station handling reaction area, non-reaction area, and leachate vapors.
 - Determining which wells send gas to which combustion unit is difficult, as a single well can send gas multiple directions based on headers and vacuum. A general map of which areas would primarily go to specific control equipment could be generated.
 - **Follow-Up:** *Can you please provide a map indicating the general areas/wells which each control device is believed to be controlling, under typical operation. As I said yesterday, is not possible as all the gas is intermingled and there is not a way to determine the direction of flow in the piping. If we provide a map, it must be understood that it is only a guess and not based on any data or analysis. We would need at least a week to prepare this type of an estimated map due to the number of pipes and flares on the site.*
- Flare Station
 - Due to the interconnecting of the gas collection system, Chiquita Canyon is not sure what percentage of gas to flares is reaction vs. non-reaction gas.
 - **Follow-Up:** *Does Chiquita Canyon track the flowrate of leachate vapors sent to the flare station and Zeeco individually? Or is only the total leachate vapor known, and the split of vapors to the Zeeco and flare station unknown? We track the total flow from the leachate tank farms but as for the general destruction of all gas collected, it is unknown exactly where that occurs as all gas collected is intermingled in the collection system*
 - **Follow-Up:** *Are the leachate tanks only vented to the Zeeco and flare station, or is the leachate venting part of the interconnected gas collection system? The entire collection system is connected so it is intermingled.*

From: Nathaniel Dickel <NDickel@aqmd.gov>

Sent: Wednesday, February 4, 2026 7:08 AM

To: Jones, Art <AJones@scsengineers.com>

Cc: Lizabeth Gomez <LGomez@aqmd.gov>; Baitong Chen <BChen@aqmd.gov>; Haley, William (Bill)

<WCHaley@scsengineers.com>; Dylan Smith <Dylan.Smith@WasteConnections.com>

Subject: RE: Questions: Chiquita Canyon Gas Collection and Control System

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Good Morning Art,

Thanks for the information. Yes, please provide the requested information by end of day **February 5, 2026**.

Thank you,



Nate Dickel | Senior Air Quality Engineer

South Coast Air Quality Management District | www.aqmd.gov

21865 Copley Drive | Diamond Bar, CA 91765

From: Jones, Art <AJones@scsengineers.com>
Sent: Wednesday, February 4, 2026 6:51 AM
To: Nathaniel Dickel <NDickel@aqmd.gov>
Cc: Lizabeth Gomez <LGomez@aqmd.gov>; Baitong Chen <BChen@aqmd.gov>; Haley, William (Bill) <WCHaley@scsengineers.com>; Dylan Smith <Dylan.Smith@WasteConnections.com>
Subject: [EXTERNAL] RE: Questions: Chiquita Canyon Gas Collection and Control System

Thanks for the chat yesterday too, Nate.

I am not going to be able to do this by days end today as I have a couple of medical appointments with my oncologist. Can I please request an Extension until EOD 2/5?

I want to make sure I get you the information without rushing it today before my appointments.

Thanks for considering.

Sincerely,
Art

From: Nathaniel Dickel <NDickel@aqmd.gov>
Sent: Tuesday, February 3, 2026 2:42 PM
To: Jones, Art <AJones@scsengineers.com>
Cc: Lizabeth Gomez <LGomez@aqmd.gov>; Baitong Chen <BChen@aqmd.gov>; Haley, William (Bill) <WCHaley@scsengineers.com>; Dylan Smith <Dylan.Smith@WasteConnections.com>
Subject: Questions: Chiquita Canyon Gas Collection and Control System

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Good Afternoon Art,

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1995 or FL-2023 inlet. Can you provide further information on these flare sampling locations, and the appropriate naming of the locations if samples are typically taken upstream of the flare station blowers?

- **Follow-Up:** Are these pre-blower sampling locations upstream or downstream of the moisture separator(s)?
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 - **Follow-Up:** Are the leachate tanks only vented to the Zeeco and flare station, or is the leachate venting part of the interconnected gas collection system?

Thank you,



Nate Dickel | Senior Air Quality Engineer

South Coast Air Quality Management District | www.aqmd.gov

21865 Copley Drive | Diamond Bar, CA 91765

Phone: 909.396.2413 | ndickel@aqmd.gov