

Archived: Friday, June 13, 2025 9:10:49 AM

From: [Steve Cassulo](#)

Sent: Monday, June 9, 2025 8:17:22 PM

To: [Nicole Ward](#) [Amanda Froman](#) [Ken Habaradas](#) [John Perkey](#)

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Subject: RE: Chiquita Canyon Landfill – TMP Temperature Submittal

Importance: Normal

Sensitivity: None

Attachments:

[May Monthly Maximum Map.pdf](#)  [29 Weekly Maximum Map.pdf](#)  [5 Weekly Maximum Map.pdf](#) 

[EXTERNAL SENDER: Use caution with links/attachments]

Dear Mr. Habaradas,

Per our email from June 5, 2025, Chiquita Canyon, LLC (Chiquita) submits the attached updated map of maximum recorded temperatures from the May 29-June 4, 2024 time period and an updated version of the map submitted on May 29, 2025, along with the separate map demonstrating the locations of the 32 temperature monitoring probes in relation to the reaction area boundary, with the former color coding.

Chiquita is also providing a temperature contour map showing the maximum observed temperatures collected during the month of May, in accordance with Milestone 1B-3 of the LEA's June 6, 2024 Compliance Order. As indicated in previous weekly submittals, readings of 2,508°F (shown for TP-29) are not actual temperature readings and are instead the default maximum possible temperature reading that indicate a thermocouple has been unplugged for maintenance, replacement, or other issues. When a thermocouple is unplugged, it reads the maximum possible value of 2,508°F.

Steve Cassulo
District Manager
661-371-9214

From: Steve Cassulo <Steven.Cassulo@WasteConnections.com>

Sent: Thursday, June 5, 2025 7:08 PM

To: Nicole Ward <nicole.ward@wasteconnections.com>; Amanda Froman <Amanda.Froman@WasteConnections.com>; Ken Habaradas <khavaradas@ph.lacounty.gov>; John Perkey <John.Perkey@WasteConnections.com>

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<Enrique.Casas@waterboards.ca.gov>; Phillip Chen <pchen@planning.lacounty.gov> <PChen@planning.lacounty.gov>; sjareb@planning.lacounty.gov

Subject: RE: Chiquita Canyon Landfill – TMP Temperature Submittal

[EXTERNAL SENDER: Use caution with links/attachments]

Dear Mr. Habaradas,

In accordance with the LEA's June 6, 2024 Compliance Order and related LEA correspondence, Chiquita Canyon, LLC (Chiquita) submits the attached weekly temperature graphs of all temperature monitoring probes (TMPs) with weekly maximum trends plotted over six weeks from April 24, 2025, through June 4, 2025, with a map of the maximum temperatures recorded in the past week and the below narrative on recorded temperature data.

Chiquita notified the LEA in last week's submittal that the temperature color coding used in the map of maximum recorded temperatures was revised to show more evenly segmented temperature ranges. Chiquita had understood from the LEA's May 29, 2024 letter that the color coding illustrated in that letter was intended as an example. In response to the LEA's email dated May 30, 2025, the temperature color coding will be reverted to the former color coding. However, this change could not be implemented in time for today's deadline as the SCS developers responsible for the development of this map are on vacation. Chiquita will provide the map of maximum recorded temperatures during this May 29-June 4, 2025 time period, as well as an updated version of the map submitted on May 29, 2025, to the LEA this Monday, June 9, 2025, along with the separate map demonstrating the locations of the 32 temperature monitoring probes in relation to the reaction area boundary.

From May 29, 2025, through June 4, 2025, there were three recorded temperature increases, and two temperature decreases that triggered the notification limits set forth in the LEA's October 4, 2024 letter.

Additionally, as of April 4, 2025, twelve new TMPs (TMP-21, TMP-24, TMP-25, TMP-26, TMP-27, TMP-28, TMP-29, TMP-30, TMP-31, TMP-32, TMP-34, and TMP-35) have been installed and are online. None of these twelve new TMPs indicate reaction temperatures occurring outside of the currently delineated data-driven reaction area boundary, and the four TMPs that were able to be drilled to within 25 feet of the liner (TMP-24, TMP-27, TMP-31, and TMP-32) show significantly cooler temperatures at the deepest thermocouple, as expected due to the cooling from the underlying earth.

Chiquita provides the following updates:

- TP-09
 - As stated in previous weeks' reports, prior weeks of readings at TP-09 showed no variability and upon field investigation, the battery for TP-09 was found to have failed likely due to poor cell network connection rapidly draining the battery. A new battery was installed on May 23rd ahead of schedule and TP-09 is now online and recording data. There have been no significant temperature changes since TP-09 went offline.
- TP-11
 - The 15-foot thermocouple showed a decrease in maximum temperature of 12°F from 150°F to 138°F from May 29th to June 3rd.
 - The 30-foot thermocouple showed an increase in maximum temperature of 16°F from 148°F to 164°F from May 27th to June 3rd.
- TP-14
 - The 15-foot thermocouple remained consistent with previous recorded temperatures.
- TP-21
 - The 45-foot thermocouple showed an increase in maximum temperature of 12°F from 158°F to 170°F from May 28th to June 2nd.
 - The 60-foot thermocouple showed an increase in maximum temperature of 20°F from 178°F to 198°F

- from May 26th to May 31st.
- The 95-foot thermocouple showed a decrease in maximum temperature of 16°F from 227°F to 211°F from May 26th to June 2nd.

We also included an Excel file of the daily maximum temperatures with any high temperatures that triggered the above notification limits highlighted, as requested in the LEA's September 3, 2024 letter. The vertical temperature profiles for TP-21, TP-28, and TP-34 were updated to correct the thermocouple depths.

No other sensors showed major sustained increases or decreases in temperature within the landfill per the LEA's reporting limits and no other sensors showed an anomaly, outlier, data gap, or malfunction, as discussed above. In the past week there was no other recorded temperature increases in the TMP field of greater than 10°F within 7 days or less, greater than 20°F within 14 days or less, or greater than 30°F within 21 days or less.

As stated in Chiquita's response to the LEA's September 3, 2024 and October 4, 2024 adjustments of the temperature notification criteria, we do not believe these notification limits correspond to actual conditions present in a reaction landfill. Temperature is a primary factor in determining the reaction area but increases in temperature from relatively cool temperatures to normal landfill temperatures are not indicative of reaction area movement. As stated in CalRecycle's response to the soil barrier reaction plan received September 24, 2024, presence of in-situ waste temperatures in excess of 230°F would be criteria indicative of a reaction; increases in shallow temperatures below this CalRecycle-suggested threshold are not indicative of a reaction. Additionally, all data and evidence at the landfill continue to show that reaction conditions are present and there is no "smoldering" event as suggested in CalRecycle's September 25, 2024 response that was used as a basis for the LEA's October 4, 2024 letter.

We will continue to update the LEA weekly on the TMP readings and to notify the LEA by e-mail within 48 hours of any recorded temperature change in the TMP field of greater than 20°F within 24 hours or less.

Steve Cassulo
District Manager
661-371-9214

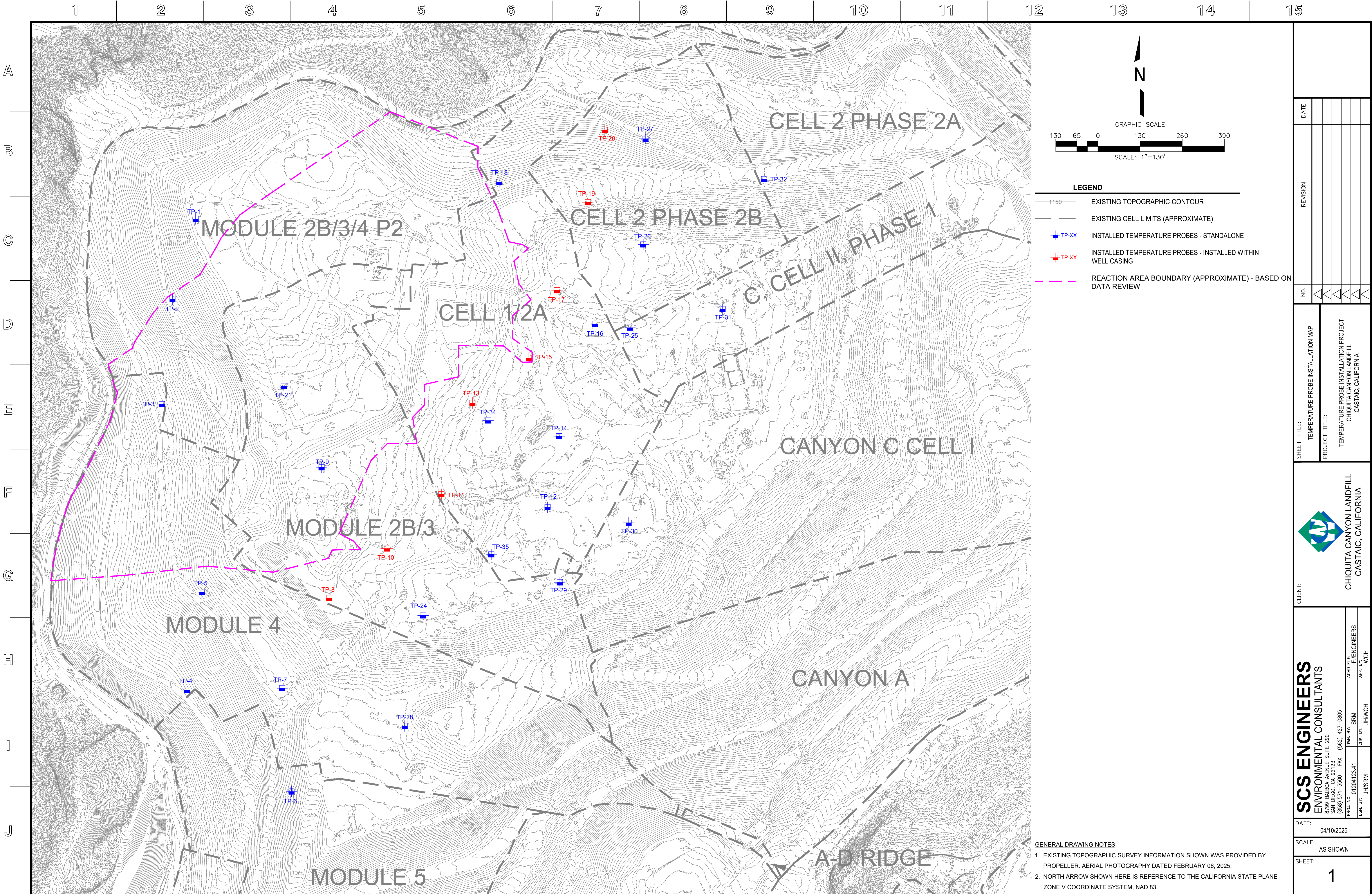
Thirty Day Maximum Vertical Temperature Map from Temperature Probes at Chiquita Landfill



Maximum Vertical Temperature Map from Temperature Probes at Chiquita Landfill

This report shows data as of May 29, 2025. Due to software limitations, the incorrect date is shown below.





Maximum Vertical Temperature Map from Temperature Probes at Chiquita Landfill

This report shows data as of June 5, 2025. Due to software limitations, the incorrect date is shown below.

