

State of California Air Resources Board
Executive Order G-25-134
Relating to Remotely Detected Emission Plumes

Whereas, California Air Resources Board (CARB) has established, pursuant to the California Global Warming Solutions Act AB32 Sections 38500-38599 of the Health and Safety Code, to establish greenhouse gas emission standards for crude oil and natural gas facilities in sectors identified in section 95666.

Whereas, CARB's Regulation on Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities, was last amended on April 1, 2024, incorporated by reference in Title 17, California Code of Regulations, Sections 95665-95677;

Whereas, pursuant to CARB's Regulation on Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities, Section 95669.1 established CARB's ability to issue a notification to an owner or operator if remote monitoring data includes a methane emission plume at their facility;

Whereas, pursuant to paragraph (a)(1) of section 95669.1, remote monitoring data shall be generated by a remote monitoring technology approved by the CARB Executive Officer if, in their best engineering judgment, the technology demonstrates a capability to detect methane emission plumes and meets all the following requirements:

- Spatial resolution of 30 meters by 30 meters or better
- Data available to CARB within 72 hours of collection
- Produces a visualization of the emission plume;

Whereas, the Tanager-1 satellite is a remote monitoring technology generating remote monitoring data that meets all the conditions set forth in section 95669.1(a)(1);

Now, therefore, be it resolved that Tanager-1, is an approved remote monitoring technology;

Be it further resolved that the remote monitoring data generated by Tanager-1 may be used for all purposes stated in Section 95669.1 of CARB's Regulation on Greenhouse Gas Emission Standards for Crude Oil and Natural Gas Facilities, including enforcement by CARB.

X  on behalf of _____

Steven S. Cliff, Ph. D, Executive Officer
Executed in Sacramento, California, this 6th day of May, 2025