



# Department of Pesticide Regulation



Teresa Marks  
Acting Director

Gavin Newsom  
Governor

April 19, 2019

TO: Interested Parties

SUBJECT: ANNUAL VOLATILE ORGANIC COMPOUND EMISSIONS INVENTORY  
REPORT: EMISSIONS FOR 1990-2017

As required under Title 3, California Code of Regulations (3 CCR), section 6881, the Department of Pesticide Regulation (DPR) has completed the annual volatile organic compound (VOC) emissions inventory report that includes the following information based on 1990-2017 pesticide use data:

- Total agricultural and structural pesticide VOC emissions for the previous years.
- Evaluation of compliance with benchmarks specified in 3 CCR section 6452.2.
- Comparison of VOC emissions to the state implementation plan (SIP) goals for the five ozone nonattainment areas (NAAs) in California.
- Fumigant emission limits for the upcoming year if necessary, according to 3 CCR section 6452.2.
- An emission rating (or application method adjustment factor, the percentage of fumigant applied emitted to air) for each fumigation method.
- If applicable, prohibitions on high-VOC nonfumigant products pursuant to section 6452.2(f), and/or if prohibitions remain in effect pursuant to section 6884(c).
- A list of the nonfumigant products that are designated as low-VOC pursuant to section 6880.
- A list of the actively registered nonfumigant products that are designated as high-VOC pursuant to section 6880.

The SIP goals set forth below and the benchmarks specified in 3 CCR section 6452.2 for each NAA are the same:

- Sacramento Metro NAA – 20 percent reduction from 1990.
- San Joaquin Valley NAA – no greater than 18.1 tons/day, equivalent to a 12 percent reduction from 1990.
- Southeast Desert NAA – 20 percent reduction from 1990.
- South Coast NAA – 20 percent reduction from 1990.
- Ventura NAA – 20 percent from 1990.

The 2017 pesticide VOC emissions for all of the five NAAs complied with the SIP goals and VOC regulation benchmarks, ranging from 17 to 90 percent less than emissions in the 1990 base year, depending on the NAA. Relative to 2016, pesticide VOC emissions in 2017 decreased for one NAAs and increased for four NAAs. VOC emissions in the Sacramento Metro NAA

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increased by 2% from 1.346 tons per day (tpd) in 2016 to 1.366 tpd in 2017, but were still 51% lower than the 1990 base year. VOC emissions in the San Joaquin Valley NAA increased by 10% from 15.453 tpd in 2016 to 16.980 tpd in 2017 and still were 17% lower than the 1990 base year. VOC emissions in the Southeast Desert NAA increased by 32% from 0.276 tpd in 2016 to 0.363 tpd in 2017 and still were 69% lower than the 1990 base year. VOC emissions in the South Coast NAA increased by 7% from 1.053 tpd in 2016 to 1.125 tpd in 2017 and still were 90% lower than the 1990 base year. VOC emissions in the Ventura NAA decreased by 9% from 1.365 tpd in 2016 to 1.240 tpd in 2017 and still were 67% lower than the 1990 base year.

DPR is required to implement additional VOC restrictions if pesticide VOC emissions exceed 95% of the benchmarks specified in 3 CCR section 6452.2. In 2013, the Pesticide VOC emissions in the San Joaquin Valley NAA exceeded the benchmark and the SIP goal, thereby triggering additional restrictions in the San Joaquin Valley NAA on nonfumigant products designated as high-VOC pursuant to section 6880 starting in 2015. Prohibitions on the use of high-VOC products for abamectin, chlorpyrifos, gibberellins, and oxyfluorfen on certain crops in the San Joaquin Valley NAA as specified in 3 CCR 6884 went into place May 1 through October 31, 2015 and due to calculated hypothetical emissions for 2017 exceeding the trigger level of 95% of the SIP goal, or 17.2 tons per day, the prohibitions will remain in effect between the May 1 through October 31 period during for 2019 and 2020.

If you have any questions, or need further assistance, please feel free to contact Mr. Minh Pham, Air Program Supervisor, at (916) 445-0979 or <Minh.Pham@cdpr.ca.gov>.

Sincerely,

*Original Signed by*

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916-445-3984

cc: Pam Wofford, Environmental Program Manager II (w/Attachments)  
cc: Edgar Vidrio, Environmental Program Manager I (w/Attachments)  
cc: Minh Pham, Air Program Supervisor (w/Attachments)