

AB617 Shafter Steering Committee Members

March 9, 2020

San Joaquin Valley Air Pollution Control District
California Air Resources Board

Re: Emission Inventory Information Requests

Dear CARB and SJVAPCD,

Outstanding Requests

There are outstanding requests from March of 2019 for information about local pollution sources within the 7-mile radius that have not been adequately answered. Some of these requests below were partially answered and some were not answered at all. Some related information was promised but not yet received.

1. Dairies: There are ten large dairies either within the 7-mile radius or just outside. Please provide the total estimated emissions of VOCs, ammonia, H₂S, N₂O, methane, PM₁₀, PM_{2.5}, and methanol from these ten dairies as a whole. If area-wide emissions from dairies are known then estimating the emissions from these ten dairies should be possible by looking at relative cow numbers that are permitted.
2. JP Oil: Information about this company's emissions of VOCs, PM_{2.5}, NO_x, and TAC's within the 7-mile radius was promised a year ago but nothing has been provided.
3. There are many stationary IC engines pumping water for agricultural within the 7-mile radius. One item in the CERP is incentive money for farmers to convert these engines to electricity. How many of these permitted stationary source IC engines are in the 7-mile radius and what are the estimated emissions of NO_x, PM_{2.5}, and VOCs from these engines. This should be broken down by fuel type as well, basically diesel or natural gas.
4. In addition to the above request on agricultural irrigation pumps, what are the emissions from permitted stationary IC engines at the ten dairies in the area? This should include any permitted IC engines used for mixing feed, pumping water, generating electricity, or other possible uses on the dairy sites.
5. Many IC engines have been observed running oil well pumps or related equipment in both the CRC and JP Oil operations within the 7-mile radius. How many of these have been permitted, what are the associated emissions of NO_x, PM_{2.5}, and VOC's, and how many are within 2500 feet of a grid electricity source?
6. Related to the Shafter emission inventory provided and/or requested, what are the seasonal or monthly breakdown of these emission totals? For example, during peak harvest seasons there is far more trucking activity, field equipment activity, and processing plant activity. Another example is winter time only heating of buildings with natural gas and wood burning.

New Requests (CAMP)

1. All Shafter PM10 monitoring results with hourly and daily averages.
2. A comparison of Purple Air monitoring results (24-hour averages) between the 548 Walker sensor located at the Shafter DMV office and the JPL_Bakersfield_CARB sensor located at the California and Stockdale "official" monitoring location.
3. Results of monitoring emissions such as diesel soot and PM2.5 from Lerdo Hwy traffic at Golden Oak Elementary. This monitoring should be ongoing at either the Kindergarten or Pre-school playgrounds, each located immediately adjacent to stop signs.
4. Results of monitoring at the Mexican Colony.
5. Results of monitoring near to local dairies such as the location previously suggested at Magnolia and Burbank where there exists a fenced cell phone tower area with electricity.
6. Results of monitoring at the Labor Camp on Merced and Hwy 43.
7. Results of monitoring at the industrial sites near Lerdo Hwy and Hwy 99.
8. All hourly data from the PM2.5 monitors at Grimmway Academy and the DMV site.
8. Please provide DMV information about the number of private vehicles registered in Shafter by age.
9. How many yard locomotives are being currently used more than 100 hours per year (or some other comparative number) within the 7-mile radius and what tier engines do they each have?
10. How many yard tractors are being currently used more than 100 hours per year (or some other comparative number) within the 7-mile radius?
11. Please provide detailed information about all air district or CARB incentive funding spent during the past five years within the 7-mile radius of Shafter including the type of equipment replaced, dollar amounts, quantities, and emission reductions. With the emission reductions show emissions reduced compared to incentive money spent and details, including formulas, of how these numbers were calculated.

Responses to all 17 requests above should be given in writing at least one week before the next meeting of the Shafter Steering Committee so that they can be discussed at that meeting.

Sincerely,

Tom Frantz
Gustavo Aguirre Jr,
Byanka Santoyo