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Supervisor, Madera County

DATE: August 19, 2021
TO: SJVUAPCD Governing Board
FROM: Samir Sheikh, Executive Director/APCO
Project Coordinator: Morgan Lambert



RE: **ITEM NUMBER 20: RECEIVE AND FILE
OPERATIONS STATISTICS SUMMARIES FOR
JUNE & JULY 2021**

RECOMMENDATION:

Receive and file Operations Statistics Summaries for June & July 2021.

DISCUSSION:

The following report summarizes the operations statistics of the District for the months of June & July 2021.

Samir Sheikh
Executive Director
Air Pollution Control Officer

Northern Region Office
4800 Enterprise Way
Modesto, CA 95356-8718
(209) 557-6400 • FAX (209) 557-6475

Central Region Office
1990 East Gettysburg Avenue
Fresno, CA 93726-0244
(559) 230-6000 • FAX (559) 230-6061

Southern Region Office
34946 Flyover Court
Bakersfield, CA 93308-9725
(661) 392-5500 • FAX (661) 392-5585

Attachments:
Operations Statistics Summaries for June & July 2021 (6 pages)

San Joaquin Valley Unified Air Pollution Control District
Governing Board Meeting
August 19, 2021

**RECEIVE AND FILE OPERATIONS STATISTICS SUMMARIES
FOR JUNE AND JULY 2021**

Attachments:

OPERATIONS STATISTICS SUMMARIES FOR JUNE AND JULY 2021
(6 PAGES)

PERMIT SERVICES	2018-2020 Monthly Average	June 2021
A. Permit Applications Received	196	185
B. Permits Issued	191	132
C. Pending Authority to Construct (ATC) Permit Applications	381	508
D. Number of ATC Permits Issued within 90 days*	133	85
E. Number of ATC Permits Issued in over 90 days*	58	47
F. Banking Certificate Applications Received	7	3
G. Banking Certificates Issued	14	20
H. Toxic /Emission Inventory Surveys Under Review	505	741
I. Toxic Reports/Plans/Updates/Prioritizations Reviewed	88	36
J. Industry-wide Toxic Surveys Reviewed	0	4
K. Health Risk Assessments Under Review	1	35
L. Health Risk Assessments Approved	0	3
M. Risk Management Reviews	59	80
N. Environmental Documents Received	233	190
O. Indirect Source Review (ISR) Applications Approved	28	26

* As measured from the date the application is deemed complete.

COMPLIANCE	2018-2020 Monthly Average	June 2021
A. Inspections	2791	4270
B. Complaints	266	234
C. Notices to Comply Issued	58	40
D. Notices of Violation Issued	241	144
E. Cases Referred to Counsel	20	0
F. Mutually Settled Cases	168	256
G. Total Amount Settled for Last Month		\$542,812.69

HEARING BOARD	June 2021
A. Variance Petitions Received (Hearing Board)	5
B. Variance Petitions Pending	2
C. Variances Issued	4
D. Variances Denied	0
E. Hearing Board Meetings Held	3

OUTREACH AND PLANNING	June 2021
A. Rule and Plan Workshops	2
B. Rules and Plans Adopted / Amended	2
C. Educational Activities Provided	161

EMISSION REDUCTION INCENTIVE PROGRAM	June 2021
A. Applications Received	1,301
B. Grant Funds Executed	\$20,880,775.09
C. Grant Funds Paid	\$21,724,647.58
D. Number of Smoking Vehicles Reported	8

VALLEY AIR QUALITY DATA	Year-to-Date Totals January 1 – June 30					
	10-Yr Avg 2007-2016	2017	2018 ^a	2019	2020	2021 ^b
Air Quality Index (AQI), County-Days						
A. Good (AQI ≤ 50 AQI)	553	794	734	922	819	706
B. Unhealthy (AQI >150 AQI)	46	11	24	0	3	15
National Ambient Air Quality Standards, Basin-Days						
C. 1997 24-Hour PM2.5 Standard (>65 µg/m ³)	6	0	4	0	0	0
D. 2006 24-Hour PM2.5 Standard (>35 µg/m ³)	28	7	16	10	1	15
E. 24-Hour PM-10 Standard (>154 µg/m ³)	1	0	2	1	0	2
F. 1-Hour Ozone Standard (>124 ppb) (revoked)	1	0	0	0	0	1
G. 1997 8-Hour Ozone Standard (>84 ppb)	10	6	0	1	4	5
H. 2008 8-Hour Ozone Standard (>75 ppb)	26	21	12	11	12	10
I. 2015 8-Hour Ozone Standard (>70 ppb)	36	35	25	21	21	19
California Ambient Air Quality Standards, Basin-Days						
J. 24-Hour PM10 Standard (>50 µg/m ³)	47	46	70	25	49	74
K. 1-Hour Ozone Standard (>94 ppb)	13	12	5	3	4	9
L. 8-Hour Ozone Standard (>70 ppb)	36	35	25	21	21	19

^a High number of Unhealthy AQI county-days, PM2.5 exceedances, and PM10 exceedances due to severe prolonged stagnation and historic California wildfires that heavily impacted air quality across the Valley.

^b High number of PM2.5 exceedances due to prolonged periods of stagnation

- In this table, ppb stands for parts per billion and µg/m³ stands for micrograms per cubic meter.
- Data in this table is preliminary and subject to revision. Data includes air pollution episodes that may later be classified as Exceptional Events (e.g., windblown dust, wildland fires).
- “County-Days” is the 8-county total of the number of days recorded in each county in each AQI category. “Basin-Days” is the number of days that an air quality standard was exceeded anywhere in the San Joaquin Valley Air Basin. “County Days” is more representative of population exposure to air pollution than “Basin Days.”
- The PM2.5 and PM10 data is based on EPA equivalent sampling methods and non-reference (real-time) methods. Because EPA reference methods require laboratory analysis, official counts for PM10 and PM2.5 are generally not available until about three months after the sample date.
- This Valley table does not include data from Sequoia & Kings National Park and Sequoia National Forest in Tulare County.

August 19, 2021

SEQUOIA & KINGS CANYON NATIONAL PARKS AND SEQUOIA NATIONAL FOREST AIR QUALITY DATA	Year-to-Date Totals January 1 – June 30
	2021
Air Quality Index (AQI)	
A. Good (AQI ≤ 50 AQI)	102
B. Unhealthy (AQI >150 AQI)	4
National Ambient Air Quality Standards	
C. 1997 24-Hour PM2.5 Standard (>65 µg/m ³)	0
D. 2006 24-Hour PM2.5 Standard (>35 µg/m ³)	0
E. 1-Hour Ozone Standard (>124 ppb) (revoked)	0
F. 1997 8-Hour Ozone Standard (>84 ppb)	4
G. 2008 8-Hour Ozone Standard (>75 ppb)	13
H. 2015 8-Hour Ozone Standard (>70 ppb)	0
California Ambient Air Quality Standards	
I. 1-Hour Ozone Standard (>94 ppb)	5
J. 8-Hour Ozone Standard (>70 ppb)	20

- In this table, ppb stands for parts per billion and µg/m³ stands for micrograms per cubic meter.
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- The PM2.5 data is based on EPA equivalent sampling methods and non-reference (real-time) methods. Because EPA reference methods require laboratory analysis, official counts for PM2.5 are generally not available until about three months after the sample date.

PERMIT SERVICES	2018-2020 Monthly Average	July 2021
P. Permit Applications Received	196	154
Q. Permits Issued	191	157
R. Pending Authority to Construct (ATC) Permit Applications	381	585
S. Number of ATC Permits Issued within 90 days*	133	90
T. Number of ATC Permits Issued in over 90 days*	58	67
U. Banking Certificate Applications Received	7	2
V. Banking Certificates Issued	14	4
W. Toxic /Emission Inventory Surveys Under Review	505	657
X. Toxic Reports/Plans/Updates/Prioritizations Reviewed	88	44
Y. Industry-wide Toxic Surveys Reviewed	0	1
Z. Health Risk Assessments Under Review	1	34
AA. Health Risk Assessments Approved	0	2
BB. Risk Management Reviews	59	83
CC. Environmental Documents Received	233	175
DD. Indirect Source Review (ISR) Applications Approved	28	23

* As measured from the date the application is deemed complete.

COMPLIANCE	2018-2020 Monthly Average	July 2021
G. Inspections	2791	3805
H. Complaints	266	213
I. Notices to Comply Issued	58	66
J. Notices of Violation Issued	241	168
K. Cases Referred to Counsel	20	1
L. Mutually Settled Cases	168	181
G. Total Amount Settled for Last Month		\$829,142.81

HEARING BOARD	July 2021
F. Variance Petitions Received (Hearing Board)	5
G. Variance Petitions Pending	2
H. Variances Issued	5
I. Variances Denied	0
J. Hearing Board Meetings Held	3

OUTREACH AND PLANNING	July 2021
D. Rule and Plan Workshops	1
E. Rules and Plans Adopted / Amended	0
F. Educational Activities Provided	158

EMISSION REDUCTION INCENTIVE PROGRAM	July 2021
E. Applications Received	1,359
F. Grant Funds Executed	\$15,839,193.25
G. Grant Funds Paid	\$8,166,585.33
H. Number of Smoking Vehicles Reported	6

VALLEY AIR QUALITY DATA	Year-to-Date Totals January 1 – July 31					
	10-Yr Avg 2007-2016	2017	2018 ^a	2019	2020	2021 ^b
Air Quality Index (AQI), County-Days						
A. Good (AQI ≤ 50 AQI)	594	812	755	1001	866	718
B. Unhealthy (AQI >150 AQI)	68	17	32	1	4	21
National Ambient Air Quality Standards, Basin-Days						
C. 1997 24-Hour PM2.5 Standard (>65 µg/m ³)	6	0	4	0	1	0
D. 2006 24-Hour PM2.5 Standard (>35 µg/m ³)	29	8	20	10	3	16
E. 24-Hour PM-10 Standard (>154 µg/m ³)	1	0	2	1	0	2
F. 1-Hour Ozone Standard (>124 ppb) (revoked)	1	0	0	0	0	1
G. 1997 8-Hour Ozone Standard (>84 ppb)	20	11	7	2	4	10
H. 2008 8-Hour Ozone Standard (>75 ppb)	45	42	27	19	17	28
I. 2015 8-Hour Ozone Standard (>70 ppb)	60	63	50	34	35	46
California Ambient Air Quality Standards, Basin-Days						
J. 24-Hour PM10 Standard (>50 µg/m ³)	59	72	98	38	70	102
K. 1-Hour Ozone Standard (>94 ppb)	26	21	16	6	4	18
L. 8-Hour Ozone Standard (>70 ppb)	60	63	50	34	35	46

^a High number of Unhealthy AQI county-days, PM2.5 exceedances, and PM10 exceedances due to severe prolonged stagnation and historic California wildfires that heavily impacted air quality across the Valley.

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- The PM2.5 and PM10 data is based on EPA equivalent sampling methods and non-reference (real-time) methods. Because EPA reference methods require laboratory analysis, official counts for PM10 and PM2.5 are generally not available until about three months after the sample date.
- This Valley table does not include data from Sequoia & Kings National Park and Sequoia National Forest in Tulare County.

SEQUOIA & KINGS CANYON NATIONAL PARKS AND SEQUOIA NATIONAL FOREST AIR QUALITY DATA	Year-to-Date Totals January 1 – July 31
	2021
Air Quality Index (AQI)	
K. Good (AQI ≤ 50 AQI)	103
L. Unhealthy (AQI >150 AQI)	10
National Ambient Air Quality Standards	
M. 1997 24-Hour PM2.5 Standard (>65 µg/m ³)	0
N. 2006 24-Hour PM2.5 Standard (>35 µg/m ³)	0
O. 1-Hour Ozone Standard (>124 ppb) (revoked)	0
P. 1997 8-Hour Ozone Standard (>84 ppb)	11
Q. 2008 8-Hour Ozone Standard (>75 ppb)	34
R. 2015 8-Hour Ozone Standard (>70 ppb)	0
California Ambient Air Quality Standards	
S. 1-Hour Ozone Standard (>94 ppb)	11
T. 8-Hour Ozone Standard (>70 ppb)	47

- In this table, ppb stands for parts per billion and µg/m³ stands for micrograms per cubic meter.
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- The PM2.5 data is based on EPA equivalent sampling methods and non-reference (real-time) methods. Because EPA reference methods require laboratory analysis, official counts for PM2.5 are generally not available until about three months after the sample date.