



Jesse Martindale
Sr. Environmental Engineer

August 16, 2024

Jason Tutkowski
Oklahoma Water Resources Board
3800 N. Classen
Oklahoma City, OK 73118

RECEIVED
AUG 16 2024
OKLAHOMA WATER RESOURCES BOARD

Re: Martin Marietta Davis Quarry 2024 Q2 Report

Dear Mr. Cogburn:

Attached please find the Q2 monitoring report and associated data and calculations for the Martin Marietta Davis Quarry with the requested updated information.

As is typical at the Davis Quarry, we see more precipitation and runoff entering the pit than the total water we use from the pit. Also typically, we do not see a rise in water levels in the pit that correspond to the additional precipitation and runoff that we know is entering the pit and not being used. Thus we still see a net decrease of water within the pit indicating that we continue to augment groundwater through the pit.

Regards,

A handwritten signature in blue ink that reads 'Jesse Martindale'.

Jesse Martindale
Sr. Environmental Engineer

MM Davis Quarry 2024 Monitoring Report

All volumes are in acre-feet.

	Total Groundwater Entering Pit	Total Stormwater Entering Pit	Total Stormwater Diverted from Pit	Total Water Diverted	Water Sent To Holding Basin	Groundwater Augmentation	Streamwater Augmentation	Consumptive Use of Stormwater	Consumptive Use of Groundwater	Groundwater Pumped From Well
January-24	24.35	13.23	13.23	37.58	N/A	24.35	0.00	5.48	0.00	0.00
February-24	5.55	7.55	7.55	13.11	N/A	5.55	0.00	3.80	0.00	0.00
March-24	2.11	7.93	7.93	10.03	N/A	2.11	0.00	3.06	0.00	0.00
1st QTR Totals	32.01	28.72	28.72	60.72	0.00	32.01	0.00	12.35	0.00	0.00
April-24	-61.56	92.98	92.98	31.42	N/A	-61.56	0.00	4.02	0.00	0.00
May-24	-20.91	34.15	34.15	13.24	N/A	-20.91	0.00	37.44	0.00	0.00
June-24	17.27	28.85	28.85	46.12	N/A	17.27	0.00	5.01	0.00	0.00
2nd QTR Totals	-65.20	155.98	155.98	90.78	0.00	-65.20	0.00	46.47	0.00	0.00

Note: Negative entries for Total Groundwater Entering Pit indicate that stormwater is entering the rock formation via the pit.

Total groundwater entering the pit = total stormwater entering the pit - total water diverted

Groundwater Right Value (MEPS): 68 acre-feet

Davis Water Balance

	Dec-23	Jan-24	Feb-24	Mar-24	Apr-24	May-24	Jun-24
Monitoring Period, Days		31	28	31	30	31	30
Monthly Production, tons	136,592	94,734	127,943	173,248	179,019	115,635	135,437
Product Moisture Content		3.5%	3.5%	3.5%	3.5%	3.5%	3.5%
Water Truck Loads		0	28	13	33	28	74
Month End Water Elevs.							
1) Freshwater pond, depth to water	15.16725	13.74254	17.05114	15.769906	21.440468	15.306578	15.845394
2) Pit Sump, depth to water	46.13844	51.65115	52.3859	53.20305	56.280075	52.802555	59.25419
Pond Surface Acres							
1) Freshwater pond		1.0	1.0	1.0	1.1	1.1	1.1
2) Pit Sump		5.79	5.79	5.79	5.79	5.79	5.79
Total surface acres		6.794314	6.794314	6.794313535	6.85431354	6.8543135	6.854313535
Pond Water Volume Change							
1) Freshwater pond		-1.425	3.309	-1.281	6.011	-6.502	0.571
2) Pit Sump		31.942	4.257	4.735	17.829	-20.150	37.383
3) Change in settling pond storage		0.000	0.000	0.000	0.000	0.000	0.000
Net Volume Change		30.518	7.566	3.454	23.840	-26.652	37.954
Water Inputs, ac-ft							
Rural Water		0.044	0.037	0.028	0.024	0.074	0.000
Lake Water		0.000	0.000	0.000	0.000	0.000	0.000
Well Water		0.000	0.000	0.000	0.000	0.000	0.000
Precipitation		13.234	7.553	7.928	92.981	34.146	28.853
Total Water Input		13.279	7.590	7.956	93.005	34.221	28.853
Water Usage, ac-ft							
Product moisture content		2.440	3.295	4.462	4.610	2.978	3.488
Haul road dust control		0.000	0.773	0.359	0.911	0.773	2.044
Evaporation losses		0.828	1.508	1.788	2.082	2.392	2.634
Misc usage		3.84	-	-	-	33.82	-
Total Water Usage, Ac-ft		7.111	5.576	6.609	7.604	39.967	8.166
Net Water Input		6.168	2.014	1.347	85.401	-5.746	20.687
emergency storage of precipitation and runoff, ac-ft							
Groundwater Inflow		24.350	5.552	2.106	-61.561	-20.906	17.267
Groundwater Inflow, Avg Ac-ft/Day		0.785	0.198	0.068	-2.052	-0.674	0.576
Groundwater Inflow, Avg Gallons/Day		255,951	64,608	22,138	-668,658	-219,747	187,547

Consumptive Use

	January	February	March	April	May	June
Water Truck Usage	-	0.77	0.36	0.91	0.77	2.04
Moisture Content of Product Shipped	1.64	3.03	2.71	3.11	2.85	2.96
Misc on site use	-	-	-	-	-	-
Misc off site	3.84	-	-	-	33.82	-
Total	5.48	3.80	3.06	4.02	37.44	5.01

Shipped Tons	January	February	March	April	May	June
Base	24,368	43,442	37,707	42,608	28,408	21,143
Coarse Aggregate	40,165	71,882	80,801	84,289	81,519	98,929
Fine Aggregate	12,687	25,500	16,713	23,296	27,389	28,853
Total	77,220	140,824	135,222	150,193	137,316	148,925
Moisture Shipped	1.64	3.03	2.71	3.11	2.85	2.96

April Precipitation Data

PIT RUNOFF ASSUMPTIONS		
Hydrologic Soil Group	D	
Land Use	gravel road	
AMC Condition	II (ave)	
CN (pit fringe)	88	area draining into pit
CN (pit)	100	area with direct interception
S (pit fringe)	1.364	area draining into pit
S (pit)	0.000	area with direct interception
Pit - Direct Interception (>95 ft deep)	74.91	subject to refinement
Pit fringe (area drains to pit)	90.41	subject to refinement
Drainage to Pit (total area)	165.32	subject to refinement

Date	Precip, in.	Quarry area		Fringe area		Evapor, in/day
		Runoff, in.	Runoff, in.	Runoff, in.	Runoff, in.	
1-Apr	0.09	0.09	0.00	0.00	0.00	0.06
2-Apr	0.00	0.00	0.00	0.00	0.00	0.08
3-Apr	0.00	0.00	0.00	0.00	0.00	0.16
4-Apr	0.00	0.00	0.00	0.00	0.00	0.15
5-Apr	0.00	0.00	0.00	0.00	0.00	0.15
6-Apr	0.44	0.44	0.00	0.00	0.00	0.13
7-Apr	0.00	0.00	0.00	0.00	0.00	0.23
8-Apr	0.01	0.01	0.00	0.00	0.00	0.14
9-Apr	0.40	0.40	0.00	0.00	0.00	0.07
10-Apr	0.41	0.41	0.00	0.00	0.00	0.02
11-Apr	0.00	0.00	0.00	0.00	0.00	0.15
12-Apr	0.00	0.00	0.00	0.00	0.00	0.17
13-Apr	0.00	0.00	0.00	0.00	0.00	0.18
14-Apr	0.00	0.00	0.00	0.00	0.00	0.16
15-Apr	0.00	0.00	0.00	0.00	0.00	0.05
16-Apr	0.03	0.03	0.00	0.00	0.00	0.19
17-Apr	0.00	0.00	0.00	0.00	0.00	0.16
18-Apr	0.00	0.00	0.00	0.00	0.00	0.15
19-Apr	0.00	0.00	0.00	0.00	0.00	0.10
20-Apr	0.61	0.61	0.00	0.00	0.00	0.02
21-Apr	0.00	0.00	0.00	0.00	0.00	0.14
22-Apr	0.00	0.00	0.00	0.00	0.00	0.14
23-Apr	0.00	0.00	0.00	0.00	0.00	0.10
24-Apr	0.01	0.01	0.00	0.00	0.00	0.08
25-Apr	0.00	0.00	0.00	0.00	0.00	0.10
26-Apr	0.80	0.80	0.00	0.00	0.00	0.14
27-Apr	5.70	5.70	4.34	0.00	0.00	0.05
28-Apr	1.14	1.14	0.00	0.00	0.00	0.08
29-Apr	0.00	0.00	0.00	0.00	0.00	0.15
30-Apr	0.02	0.02	0.00	0.00	0.00	0.15
		0.00	0.00			
		9.66	4.34			
Volume, ac-ft		60.30	32.68			3.645
Total Vol, ac-ft		92.98				

May Precipitation Data

PIT RUNOFF ASSUMPTIONS		
Hydrologic Soil Group	D	
Land Use	gravel road	
AMC Condition	II (ave)	
CN (pit fringe)	88	area draining into pit
CN (pit)	100	area with direct interception
S (pit fringe)	1.364	area draining into pit
S (pit)	0.000	area with direct interception
Pit - Direct Interception (>95 ft deep)	74.91	subject to refinement
Pit fringe (area drains to pit)	90.41	subject to refinement
Drainage to Pit (total area)	165.32	subject to refinement

Quarry area Fringe area

Date	Precip, in.	Runoff, in.	Runoff, in.	Evapor, in/day
1-May	0.34	0.34	0.00	0.13
2-May	1.33	1.33	0.00	0.05
3-May	0.13	0.13	0.00	0.15
4-May	0.00	0.00	0.00	0.09
5-May	0.84	0.84	0.00	0.09
6-May	0.00	0.00	0.00	0.11
7-May	0.01	0.01	0.00	0.21
8-May	0.00	0.00	0.00	0.22
9-May	0.03	0.03	0.00	0.07
10-May	0.00	0.00	0.00	0.15
11-May	0.00	0.00	0.00	0.10
12-May	0.68	0.68	0.00	0.03
13-May	0.29	0.29	0.00	0.11
14-May	0.00	0.00	0.00	0.18
15-May	0.01	0.01	0.00	0.17
16-May	0.22	0.22	0.00	0.07
17-May	0.00	0.00	0.00	0.14
18-May	0.01	0.01	0.00	0.18
19-May	0.00	0.00	0.00	0.18
20-May	0.00	0.00	0.00	0.18
21-May	0.00	0.00	0.00	0.19
22-May	0.74	0.74	0.00	0.10
23-May	0.31	0.31	0.00	0.11
24-May	0.17	0.17	0.00	0.13
25-May	0.00	0.00	0.00	0.12
26-May	0.00	0.00	0.00	0.25
27-May	0.00	0.00	0.00	0.19
28-May	0.24	0.24	0.00	0.15
29-May	0.00	0.00	0.00	0.16
30-May	0.12	0.12	0.00	0.07
31-May	0.00	0.00	0.00	0.14
		5.47	0.00	0.00
Volume, ac-ft		34.15	0.00	4.188
Total Vol, ac-ft		34.15		

June Precipitation Data

PIT RUNOFF ASSUMPTIONS		
Hydrologic Soil Group	D	
Land Use	gravel road	
AMC Condition	II (ave)	
CN (pit fringe)	88	area draining into pit
CN (pit)	100	area with direct interception
S (pit fringe)	1.364	area draining into pit
S (pit)	0.000	area with direct interception
Pit - Direct Interception (>95 ft deep)	73.32	subject to refinement
Pit fringe (area drains to pit)	92.00	subject to refinement
Drainage to Pit (total area)	165.32	subject to refinement

Quarry area Fringe area

Date	Precip, in.	Runoff, in.	Runoff, in.	Evapor, in/day
1-Jun	0.01	0.01	0.00	0.16
2-Jun	1.34	1.34	0.00	0.03
3-Jun	0.07	0.07	0.00	0.06
4-Jun	2.00	2.00	0.97	0.08
5-Jun	0.09	0.09	0.00	0.18
6-Jun	0.00	0.00	0.00	0.19
7-Jun	0.00	0.00	0.00	0.18
8-Jun	0.00	0.00	0.00	0.21
9-Jun	0.00	0.00	0.00	0.15
10-Jun	0.00	0.00	0.00	0.08
11-Jun	0.00	0.00	0.00	0.11
12-Jun	0.00	0.00	0.00	0.17
13-Jun	0.00	0.00	0.00	0.18
14-Jun	0.00	0.00	0.00	0.18
15-Jun	0.00	0.00	0.00	0.17
16-Jun	0.00	0.00	0.00	0.17
17-Jun	0.00	0.00	0.00	0.16
18-Jun	0.00	0.00	0.00	0.12
19-Jun	0.00	0.00	0.00	0.15
20-Jun	0.00	0.00	0.00	0.11
21-Jun	0.00	0.00	0.00	0.14
22-Jun	0.00	0.00	0.00	0.20
23-Jun	0.00	0.00	0.00	0.22
24-Jun	0.00	0.00	0.00	0.20
25-Jun	0.00	0.00	0.00	0.16
26-Jun	0.00	0.00	0.00	0.19
27-Jun	0.00	0.00	0.00	0.18
28-Jun	0.00	0.00	0.00	0.16
29-Jun	0.00	0.00	0.00	0.18
30-Jun	0.00	0.00	0.00	0.15
		0.00	0.00	
		3.51	0.97	
Volume, ac-ft		21.45	7.40	4.611
Total Vol, ac-ft		28.85		

MESONET CLIMATOLOGICAL DATA SUMMARY
(SULP) Sulphur
Latitude: 34-33-57

April 2024
Nearest City: 4.0 NNE Sulphur
Longitude: 96-57-01

Time Zone: Midnight-Midnight CST
County: Murray
Elevation: 1050 feet

DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND SPEED (mph)			SOLAR (MJ/m2)	4" SOIL TEMPERATURES			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG		STN	MSL	DIR	AVG	MAX		SOD	BARE	MAX	MIN
1	76	58	69.8	64.9	0	2	94	73	85	0.09	28.54	29.65	S	12.5	29.7	5.65	61.4	65.7	68	64
2	58	39	50.8	43.1	17	0	99	52	76	0.00	28.75	29.86	NNW	10.2	29.1	13.01	60.2	61.6	66	59
3	65	36	50.7	31.2	15	0	96	21	55	0.00	28.81	29.93	NNW	8.3	30.0	23.78	57.5	59.3	67	53
4	75*	33*	55.9*	34.6*	11*	0*	94*	22*	52*	0.00*	28.83*	29.95*	NNE*	4.0*	14.3*	NA	57.4*	62.2*	72*	53*
5	80	52	65.3	41.8	0	1	56	30	43	0.00	28.85	29.97	SE	10.2	23.6	22.97	59.1	65.5	73	59
6	76	58	66.8	55.7	0	2	95	54	68	0.44	28.69	29.80	S	16.3	42.6	16.84	60.7	67.0	71	63
7	72	46	60.8	34.6	6	0	91	18	41	0.00	28.71	29.82	SW	9.0	27.8	24.60	60.6	63.5	68	58
8	80	53	67.2	49.7	0	2	86	40	54	0.01	28.73	29.84	S	7.7	22.7	19.21	60.3	64.0	73	57
9	73	57	63.3	56.1	0	0	95	55	79	0.40	28.71	29.82	ENE	10.9	29.1	14.47	62.0	65.5	68	63
10	59	48	54.6	51.5	11	0	96	75	89	0.41	28.68	29.79	NNE	10.0	33.5	4.36	60.9	60.8	64	58
11	69	41	55.0	38.0	10	0	99	26	60	0.00	28.92	30.04	NW	8.9	33.4	24.49	59.2	57.9	63	53
12	78	37	60.6	43.0	8	0	96	30	58	0.00	29.04	30.17	S	8.0	24.1	24.01	59.7	60.6	70	51
13	80	60	70.0	51.0	0	5	74	31	53	0.00	28.94	30.06	SSW	14.5	32.5	23.98	62.1	66.8	74	60
14	84	61	71.4	61.7	0	8	88	53	73	0.00	28.79	29.91	S	12.0	24.0	23.29	64.2	70.7	79	64
15	72	65	68.7	65.3	0	3	94	83	89	0.00	28.70	29.81	SSE	13.8	39.8	5.10	65.1	69.4	73	68
16	79	54	70.6	52.8	0	2	96	24	60	0.03	28.65	29.76	SW	12.0	32.8	21.56	65.8	71.4	77	67
17	84	53	71.6	64.1	0	3	98	49	79	0.00	28.79	29.91	SSE	9.5	25.8	21.91	66.5	72.6	81	66
18	82	55	68.8	60.9	0	4	92	56	77	0.00	28.82	29.93	S	13.3	27.2	18.52	68.4	74.9	80	71
19	65	50	57.4	46.7	7	0	80	55	68	0.00	29.00	30.13	NE	11.1	26.3	16.58	66.6	70.8	75	66
20	58	47	51.3	45.0	13	0	93	54	80	0.61	29.08	30.21	NNE	8.9	26.0	3.96	63.8	63.6	70	60
21	65	40	52.6	37.1	13	0	96	36	58	0.00	29.18	30.31	NNE	7.9	21.6	21.15	62.6	60.5	66	56
22	68	35	54.5	40.5	13	0	98	40	63	0.00	29.02	30.15	S	8.9	25.6	25.39	62.5	61.4	70	53
23	74	54	64.6	55.8	1	0	91	63	73	0.00	28.83	29.95	S	10.1	27.5	18.99	63.8	66.0	73	59
24	76	55	66.8	62.0	0	1	98	67	85	0.01	28.95	30.08	SE	7.0	22.7	12.78	64.9	67.8	73	64
25	79	68	72.1	66.0	0	9	91	64	81	0.00	28.78	29.89	SSE	14.6	33.8	15.49	66.9	71.4	76	68
26	80	61	71.1	66.7	0	6	96	68	87	0.80	28.58	29.69	SSE	15.8	36.7	16.66	68.3	71.3	75	68
27	76	61	71.4	66.8	0	3	99	76	86	5.70	28.65	29.76	SSE	15.3	61.6	7.06	68.6	69.8	71	69
28	74	59	64.9	62.1	0	1	99	76	91	1.14	28.69	29.81	SE	9.3	26.5	10.44	66.2	67.4	71	65
29	81	57	68.9	59.7	0	4	100	39	76	0.00	28.78	29.89	E	3.5	12.0	25.56	67.7	69.8	77	63
30	82	63	72.6	66.3	0	8	97	62	82	0.02	28.75	29.86	S	11.4	27.9	22.36	69.4	71.6	78	66
	74*	52*	63.7*	52.5*	-< Monthly Averages ->						28.81*	29.93*	S	10.5*	61.6*	17.39*	63.4*	66.4*	72*	61*

Temperature - Highest: 84*
Lowest: 33*

Rainfall: Monthly Total: 9.66* in.
Greatest 24 Hr: 5.70* in.

Degree Days - Total HDD: 124*
Total CDD: 62*

Humidity - Highest: 100*
Lowest: 18*

Number of Days With:

Tmax > 90: 0* Rainfall > 0.01 inch: 12*
Tmax < 32: 0* Rainfall >= 0.10 inch: 7*
Tmin < 32: 0* Avg Wind Speed > 10 mph: 17*
Tmin <= 0: 0* Max Wind Speed >= 30 mph: 10*

MESONET CLIMATOLOGICAL DATA SUMMARY
 (SULP) Sulphur
 Latitude: 34-33-57

May 2024
 Nearest City: 4.0 NNE Sulphur
 Longitude: 96-57-01

Time Zone: Midnight-Midnight CST
 County: Murray
 Elevation: 1050 feet

DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND SPEED (mph)			SOLAR (MJ/m2)	4" SOIL TEMPERATURES			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG		STN	MSL	DIR	AVG	MAX		SOD	BARE	MAX	MIN
1	77	62	70.5	62.8	0	5	95	50	78	0.34	28.73	29.85	SE	12.2	39.8	17.29	70.3	71.3	74	67
2	77	63	70.2	65.1	0	5	97	67	85	1.33	28.67	29.78	SE	7.7	31.6	14.03	70.3	71.3	74	68
3	81	61	72.5	65.4	0	6	97	60	79	0.13	28.76	29.88	ESE	7.2	21.5	23.74	71.6	73.3	79	68
4	77	63	69.8	65.1	0	5	97	67	85	0.00	28.83	29.95	NE	6.7	23.1	13.70	72.0	72.6	76	69
5	71	62	65.0	62.4	0	1	98	75	92	0.84	28.81	29.93	NNE	6.5	20.5	11.40	71.1	70.7	74	69
6	81	61	72.1	68.2	0	6	99	72	88	0.00	28.60	29.71	SSE	13.7	37.8	11.33	70.9	70.6	74	68
7	83	63	74.6	54.8	0	8	92	22	56	0.01	28.53	29.64	SW	7.2	32.4	27.12	72.4	74.2	80	69
8	86	63	76.9	65.1	0	10	92	34	69	0.00	28.47	29.57	S	11.3	31.1	22.23	73.0	76.7	85	71
9	75	55	66.1	48.8	0	0	94	35	56	0.00	28.74	29.86	NE	8.9	27.3	12.88	71.2	73.1	77	69
10	77	53	65.3	53.3	0	0	96	42	68	0.00	28.92	30.04	NNE	6.3	24.6	25.57	69.8	73.4	83	65
11	79	55	67.9	56.6	0	2	98	41	70	0.00	28.88	30.00	SE	3.1	15.9	19.23	69.9	75.9	83	69
12	72	58	63.6	59.7	0	0	96	63	87	0.68	28.74	29.86	ESE	8.3	29.0	5.58	69.2	71.6	77	68
13	76	59	66.5	61.2	0	2	99	53	84	0.29	28.64	29.76	NW	5.2	20.1	15.83	69.3	70.3	75	67
14	80	55	67.0	56.4	0	2	99	41	73	0.00	28.69	29.80	NW	5.6	22.2	26.11	69.9	70.2	76	64
15	85	56	72.5	60.8	0	5	98	46	69	0.01	28.69	29.81	SSE	8.5	29.0	25.29	70.6	73.7	83	65
16	73	61	67.3	61.9	0	2	98	66	84	0.22	28.70	29.81	E	5.5	23.5	10.03	71.0	73.0	77	70
17	78	59	68.3	61.8	0	4	99	53	81	0.00	28.67	29.79	SSW	2.7	9.4	17.90	70.5	72.4	79	67
18	87	58	74.0	63.4	0	8	99	45	73	0.01	28.75	29.87	SE	4.5	18.0	26.94	71.4	77.1	88	68
19	87	68	78.4	67.6	0	12	86	57	70	0.00	28.78	29.89	SSE	12.7	30.2	24.47	72.8	80.6	88	73
20	88	70	79.1	65.4	0	14	86	43	64	0.00	28.68	29.80	SSE	15.2	39.0	26.27	73.8	82.2	89	76
21	87	73	79.0	70.5	0	15	94	60	76	0.00	28.62	29.73	S	12.6	35.5	21.90	74.5	82.8	90	77
22	77	62	72.0	67.4	0	5	99	67	86	0.74	28.72	29.83	NE	8.2	49.6	16.00	73.9	79.1	83	76
23	86	65	74.4	68.4	0	10	98	59	83	1.31	28.68	29.79	SSE	8.6	30.3	12.40	72.6	75.8	80	73
24	88	66	75.9	70.0	0	12	96	64	83	0.17	28.62	29.74	S	8.5	26.1	18.02	74.2	76.9	83	72
25	89	64	76.1	68.6	0	11	91	31	78	0.00	28.64	29.75	SSE	11.3	37.5	18.56	74.6	76.5	81	71
26	91	64	80.2	64.2	0	12	96	31	62	0.00	28.55	29.66	SSW	10.6	34.2	27.15	75.5	80.8	90	73
27	91	59	76.7	60.1	0	10	98	25	63	0.00	28.82	29.94	ENE	4.6	16.7	27.11	75.1	83.3	93	74
28	80	65	71.9	61.0	0	7	91	48	70	0.24	28.95	30.08	E	10.0	48.9	18.61	74.7	79.9	85	75
29	83	62	73.3	63.9	0	8	96	56	74	0.00	28.95	30.07	ESE	6.5	18.9	23.77	74.6	80.5	90	73
30	73	63	69.2	65.9	0	3	96	80	90	0.12	28.84	29.96	SE	7.7	21.6	8.66	74.2	77.6	82	74
31	80	63	69.9	64.6	0	6	98	60	84	0.00	28.82	29.94	NNE	4.3	12.2	15.92	73.4	76.1	83	71
	81	62	71.8	62.9	←- Monthly Averages →-						28.73	29.84	SSE	8.1	49.6	18.87	72.2	75.6	82	70
Temperature - Highest: 91 Lowest: 53							Degree Days - Total HDD: 0 Total CDD: 198					Number of Days With: Tmax > 90: 2 Rainfall > 0.01 inch: 15 Tmax < 32: 0 Rainfall >= 0.10 inch: 12 Tmin < 32: 0 Avg Wind Speed > 10 mph: 9 Tmin <= 0: 0 Max Wind Speed >= 30 mph: 13								
Rainfall: Monthly Total: 6.44 in. Greatest 24 Hr: 1.33 in.							Humidity - Highest: 99 Lowest: 22													

MESONET CLIMATOLOGICAL DATA SUMMARY
(SULP) Sulphur
Latitude: 34-33-57

June 2024
Nearest City: 4.0 NNE Sulphur
Longitude: 96-57-01

Time Zone: Midnight-Midnight CST
County: Murray
Elevation: 1050 feet

DAY	TEMPERATURE (F)				DEG DAYS		HUMIDITY (%)			RAIN (in)	PRESSURE (in)		WIND SPEED (mph)			SOLAR (MJ/m2)	4" SOIL TEMPERATURES			
	MAX	MIN	AVG	DEWPT	HDD	CDD	MAX	MIN	AVG		STN	MSL	DIR	AVG	MAX		SOD	BARE	MAX	MIN
1	86	62	74.5	66.2	0	9	99	49	78	0.01	28.84	29.96	SSE	4.5	15.5	21.84	74.0	80.2	89	72
2	81	64	69.2	66.1	0	8	99	70	90	1.34	28.79	29.91	S	6.6	28.8	7.08	73.1	77.3	82	73
3	76	64	69.0	65.8	0	5	96	76	90	0.71	28.63	29.75	SE	9.3	37.6	7.82	71.6	72.4	75	71
4	80	63	72.1	67.9	0	7	98	68	87	2.00	28.55	29.66	SSE	12.0	41.1	11.67	71.4	73.2	76	70
5	86	62	73.6	64.2	0	9	98	40	76	0.09	28.69	29.81	NNE	5.7	19.9	26.31	72.8	76.0	83	70
6	93	60	77.7	63.5	0	12	98	30	67	0.00	28.78	29.90	NNE	3.5	14.5	26.79	73.8	77.4	85	70
7	92	68	81.2	66.6	0	15	94	38	64	0.00	28.79	29.91	SSE	8.7	25.3	24.05	75.2	81.4	91	74
8	94	74	84.1	68.1	0	19	89	40	61	0.00	28.72	29.83	SSW	10.3	28.7	26.14	76.3	85.3	94	78
9	92	71	80.2	70.7	0	16	94	54	74	0.00	28.77	29.89	NNE	7.5	26.0	21.75	77.1	86.7	94	80
10	82	67	73.2	65.4	0	10	92	55	78	0.00	28.83	29.95	NE	6.9	17.9	15.97	76.5	84.4	90	81
11	84*	66*	74.8*	63.7*	0*	10*	94*	48*	70*	0.00*	28.84*	29.96*	ESE*	5.5*	18.8*	NA	76.2*	83.8*	90*	78*
12	89	63	76.9	64.8	0	11	96	48	68	0.00	28.87	29.99	SE	5.4	16.3	26.10	76.7	84.9	94	77
13	91	69	80.2	68.9	0	15	92	48	70	0.00	28.84	29.96	S	6.9	17.3	26.44	77.9	87.1	95	79
14	93	70	81.5	68.8	0	17	95	42	67	0.00	28.86	29.98	S	4.4	15.5	25.83	78.8	89.2	98	81
15	91	67	81.1	67.0	0	14	96	42	64	0.00	28.81	29.92	SE	8.0	23.0	25.63	79.1	89.2	96	82
16	91	73	82.2	68.2	0	17	86	46	64	0.00	28.74	29.86	SSE	11.7	26.0	24.32	79.4	88.6	95	83
17	91	74	82.6	70.6	0	18	87	51	68	0.00	28.70	29.82	SSE	14.6	30.7	22.66	79.5	88.1	93	83
18	89	74	80.9	69.6	0	16	85	52	70	0.00	28.76	29.87	SSE	15.5	31.8	18.91	79.4	86.8	91	83
19	88	70	78.7	67.9	0	14	93	48	71	0.00	28.97	30.10	ESE	7.8	19.4	22.48	79.5	87.2	94	81
20	89	71	80.0	70.3	0	15	91	51	73	0.00	29.06	30.18	E	6.1	15.3	18.74	79.7	87.5	94	83
21	92	75	82.7	68.8	0	18	83	43	64	0.00	29.02	30.14	SE	8.9	17.2	23.66	80.4	89.2	96	83
22	93	73	83.7	69.7	0	18	85	46	64	0.00	28.90	30.02	SSW	8.5	20.2	25.18	80.9	90.0	97	83
23	98	75	85.7	70.6	0	21	79	43	62	0.00	28.82	29.94	SSW	6.1	16.6	22.59	81.6	91.2	99	85
24	95	74	85.7	69.5	0	20	86	38	60	0.00	28.82	29.93	SSW	7.4	22.9	25.77	82.1	92.6	100	86
25	96	79	87.0	73.5	0	23	81	48	65	0.00	28.78	29.90	S	9.6	21.3	25.59	82.8	93.3	100	87
26	99	78	87.2	74.8	0	24	84	49	68	0.00	28.74	29.86	SSW	8.2	22.6	22.83	83.6	93.8	101	88
27	93	75	83.3	68.7	0	19	81	40	63	0.00	28.76	29.88	SE	9.0	21.3	24.73	83.7	93.7	100	88
28	96	76	85.3	72.9	0	21	81	50	67	0.00	28.66	29.78	SSE	12.4	25.1	22.68	83.4	92.6	98	87
29	96	77	86.5	73.9	0	22	87	46	67	0.00	28.85	29.96	S	8.1	21.9	23.94	83.9	93.2	100	87
30	97	79	87.1	73.1	0	23	84	42	65	0.00	29.00	30.12	E	6.4	19.2	21.43	84.1	94.0	100	88
90* 70* 80.3* 68.7*				<- Monthly Averages ->						28.81* 29.92*		SSE* 8.2* 41.1*			22.03*		78.5* 86.3* 93* 80*			

Temperature - Highest: 99*
Lowest: 60*

Rainfall: Monthly Total: 4.15* in.
Greatest 24 Hr: 2.00* in.

Degree Days - Total HDD: 0*
Total CDD: 464*

Humidity - Highest: 99*
Lowest: 30*

Number of Days With:

Tmax > 90: 19* Rainfall >= 0.01 inch: 5*
Tmax < 32: 0* Rainfall >= 0.10 inch: 3*
Tmin < 32: 0* Avg Wind Speed > 10 mph: 6*
Tmin <= 0: 0* Max Wind Speed >= 30 mph: 4*