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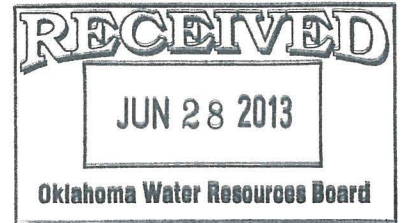
JUNE 27, 2011

OKLAHOMA WATER RESOURCES BOARD

3800 N. CLASSEN BOULEVARD

OKLAHOMA CITY, OK 73118

ATTN: MR. KENT WILKING



RE: TXI- Mill Creek

Quarterly Monitoring Report

Dear Mr. Wilkins

Attached please find the Quarterly Monitoring Report for TXI's Mill Creek Operation. The attached report is summarized on Attachment 1- Appendix C of the Rules.

Please let me know if you have any questions or comments

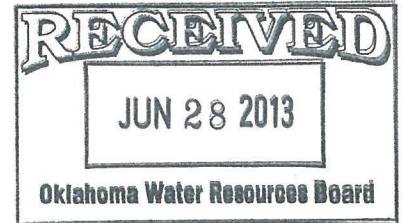
Bill Flanigan

TXI, Sr. Manager Geology and Mine Services



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**2013
FIRST QUARTER REPORTING**

**FOR
TXI MILL CREEK STONE OPERATION
MILL CREEK, OKLAHOMA**

**PREPARED BY
BILL FLANIGAN
SENIOR MANAGER, GEOLOGY & MINE SERVICE
972.647.6712**



CONTENTS

ATTACHMENT 1.....APPENDIX C

ATTACHMENT 2.....DEMONSTRATION OF RECHARGE

ATTACHMENT 3.....TABLE OF WATER MOVEMENTS

ATTACHMENT 4.....EXAMPLE CALCULATION

ATTACHMENT 5.....RUNOFF AND INTERCEPTION ESTIMATES

ATTACHMENT 6MOISTURE CONTENT SHIPPED

ATTACHMENT 7.....TISHOMINGO MESONET MONTHLY CLIMATOLOGICAL DATA

ATTACHMENT 8.....TISHOMINGO MESONET DAILY EVAPORATION DATA

ATTACHMENT 9.....TXI'S SUMMARY OF ON-SITE WEATHER STATION DATA

ATTACHMENT 10.....USGS STREAMSTATS REPORT

ATTACHMENT 1

Appendix C . Consumptive use of Pitwater

Jan. 1, 2013 - March 31 2013

PIT GROUNDWATER VOLUME			
1	Total volume pumped from producing mine pit(s)		314.51
2	Volume of precipitation that falls onto the surface of producing Mine Pits		36.65
3	Portion of total precipitation that flows over the land surface that drains into the mine pit water		8.21
4	other non pit waters pumped from the producing mining pit		
5	add lines 2 through 4		44.85
6	Pit Groundwater Volume (line 1 minus Line 5)		269.66
DEFINED ELEMENTS OF CONSUMPTIVE USE			
7	Vol. of pit groundwater that is driven off (by drying) the mined material transp. off of		0.00
8	Vol. of pit groundwater that is carried away with the the mined material transp. off of the mine site		2.68
9	Vol. of pit groundwater that evaporates from producing mine pits, process ponds and lined ponds (excluding structures used for augmentation)		1.61
10	Volume of pit groundwater that is used for other beneficial uses off of the mine site		4.13
11	DEFINED ELEMENTS OF CONSUMPTIVE USE of Pit groundwater (add lines 7 through 10)		8.42
PIT GROUNDWATER BALANCE			
12	Lines 6 minus 11		261.24
13	Groundwater Augmentation Volume of pit groundwater returned to returned to GW Basin or subbasin. (Troy Recharge)	Credits	29.50
14	Stream Augmentation volume of pitwater discharged to a definite Stream, during flow conditions that are less than or equal to the accepted exceedance level		
15	PPT and Runoff Volume of Precipitation and surface runoff into a recharge pit or holding pond		32.84
16	Recycled Pit Groundwater - Volume of ground water returned to the mine pit or holding basin		232.85
17	Other Non-Consumptive Losses Including pit GW returned to the land surface from which surface runoff flows into a mine pit and other losses		4.59
18	add lines 13 through 17		299.77
19	OTHER CONSUMPTIVE USE Line 12 minus Line 18		-38.53
TOTAL REPORTED CONSUMPTIVE USE			
	TOTAL NET CONSUMPTIVE USE Line 11 plus line 19		-30.11

ATTACHMENT 2

Demonstration of TXI's Recharge at its recycling and recharge facility

mass balance basis applicable equation is:

$$GWA = Ba * [(h2 - h1) - (E * 0.7)] + (I - O)$$

Where:

- GWA** the volume of water exiting the bottom and sides of the augmentation basin;
- Ba** the surface area of the augmentation basin (assumes vertical sides);
- h1** the elevation of the water level in the basin at the beginning of the applicable time period determined using the installed staff gage;
- h2** the elevation of the water level in the basin at the end of the applicable time period;
- 0.7** the lake evaporation coefficient applied to pan evaporation;
- E** the calculated pan evaporation rate determined at the nearest Mesonet station determined as the sum of daily values for the applicable time period;
- I** the total inflow volume of water to the basin from all sources (including rainfall) for the applicable time period (it may be zero (0)) determined by measurement or reasonable estimation; and
- O** the total outflow volume of water from the basin

Ba= 40.67 Acres
h1= 964.6 ft
h2= 966.5 ft
E= 10.89 inches = 0.9075 ft.
I= 2,079.48 Ac-ft pumped to the recharge facility
O= 2,046.64 Ac-ft pumped away from the recharge facility

GWA 84.27238 Ac Ft

Recharge Test data supports recharge-

Evaporation from Recharge/ Recycle Facility is not a consumptive use

ATTACHMENT 3

Table of Water Movements

		A - Quarry	B (Freshwater Pond)	C- Recharge and Recycle Facility	D - Plant	E -Surface water allocation (Mill Creek)
1	Water pumped away (Ac-Ft)	A1	B1	C1	D1	E1
2	Surface area of water (Ac)	A2	B2	C2		
3	Surface area of runoff (Ac)	A3	B3	C3		
4	Water diverted for dust suppression (Ac-Ft)	A4	B4			
5	Volume of runoff (Ac-Ft)	A5	B5	C5		
6	Volume of direct Precipitation (Ac-Ft)	A6	B6	C6	D6	
7	Water Pumped into the Area (Ac-Ft)	A7	B7= (A1-A4) +C1+E1 +B5+B6	C7 = D1	D7=B1-B4	
8	Groundwater volume (Ac-Ft)	A8 = A1-(A5+A6+A7)	B8 = ((A1-A4)*A10)	C8= (B10*C7)	D8=C8=(B10*C7)	
9	Evaporation (Ac-Ft)	A9	B9	C9		
10	%GW	A10= A8/A1	B10 = A8/ B7	C10=B10	D10= C10=B10	

A1, B1, C1, D1, E1

metered and or measured

A2, B2, C2

measured

A3, B3, C3

measured

A4, B4

metered and/or measured

A5, B5, C5

From SCS Runoff Model - and weather station mesonet* input

A6, B6, C6, D6

From SCS Runoff Model - Quarry

A7

metered and or measured

A8

metered or measured

A9, B9, C9

A sum of daily pan evaporation values from TXI's weather Station and/or mesonet site (in feet) times the water area

Mesonet data will come from Tishomingo site , if working appropriately until TXI's site becomes fully functional. **Note:** if evaporation data is not available, data will be an avg. of the data 2 days before and 2 days after the subject time frame.

ATTACHMENT 4

Table of Water Movements

	A - Quarry	B (Freshwater Pond)	C- Recharge and Recycle and Facility	D - Plant	E -Surface water allocation (Mill Creek)
1 Water pumped away (Ac-Ft)	A1	B1	C1	D1	E1
2 Surface area of water (Ac)	A2	B2	C2		
3 Surface area of runoff (Ac)	A3	B3	C3		
4 Water diverted for dust suppression (Ac-Ft)	A4	B4			
5 Volume of runoff (Ac-Ft)	A5	B5	C5		
6 Volume of direct Precipitation (Ac-Ft)	A6	B6	C6	D6	
7 Water Pumped into the Area (Ac-Ft)	A7	B7= (A1-A4) +C1+E1 +B5+B6	C7 = D1	D7=B1-B4	
8 Groundwater volume (Ac-Ft)	A8 = A1-(A5+A6+A7)	B8 = ((A1-A4)*A10)	C8= (B10*C7)	D8=C8=(B10*C7)	
9 Evaporation (Ac-Ft)	A9	B9	C9		
10 %GW	A10= A8/A1	B10 = A8/ B7	C10=B10	D10= C10=B10	

- | | |
|--------------------|--|
| A1, B1, C1, D1, E1 | metered and or measured |
| A2, B2, C2 | measured |
| A3, B3, C3 | measured |
| A4, B4 | metered and/or measured |
| A5, B5, C5 | From SCS Runoff Model - and weather station mesonet* input |
| A6, B6, C6, D6 | From SCS Runoff Model - Quarry |
| A7 | metered and or measured |
| A8 | metered or measured |
| A9, B9, C9 | A sum of daily pan evaporation values from TXI's weather Station and/or mesonet site |

Mesonet data will come from Tishomingo site , if working appropriately until TXI's site becomes fully functional. **Note:** if evaporation data is not available, data will be an avg. of the data 2 days before and 2 days after the subject time frame.

ATTACHMENT 5

**TXI - MILL CREEK QUARRY
RUNOFF & INTERCEPTION ESTIMATES**

(updated 4/04/2013)

TXI - MILL CREEK QUARRY RUNOFF INTERCEPTION ESTIMATES

		QUARRY AREA				
2013	PPT	Quarry Pit Sump	Native/ Undisturbed	Active Quarry & Haul Roads	Unconsolidated	Quarry Monthly Totals
		Interception	Runoff	Runoff	Runoff	Runoff
January	2.30	0.027	0.239	11.499	1.521	13.287
February	3.26	0.038	1.647	21.649	4.533	27.867
March	1.16	0.014	0.000	3.420	0.267	3.700
		Sump	Quarry			
		0.078	36.569			

TXI - MILL CREEK QUARRY RUNOFF INTERCEPTION ESTIMATES

		FRESHWATER POND AREA						
2013	PPT	Open Water	Native/Native Reclaimed	Roadway/Berm/Pump Area/ Spillway	Dry Pond Bottomland	Dry Pond Bottomland -	Stockpiles	FW Pond Monthly Totals
		Interception	Runoff	Runoff	Runoff	Runoff	Runoff	Runoff
January	2.30	4.182	0.027	0.032	0.197	0.011	0.004	4.452
February	3.26	5.928	0.821	0.363	1.177	0.216	0.060	8.565
March	1.16	2.109	0.000	0.000	0.008	0.000	0.000	2.117

TXI - MILL CREEK QUARRY RUNOFF INTERCEPTION ESTIMATES

		TROY PIT			
2013	PPT	Open Water	Unconsolidated	Native/ Native Reclaimed	Troy Monthly Totals
		Interception	Runoff	Runoff	Runoff
January	2.30	7.795	1.430	0.522	9.747
February	3.26	11.049	4.263	3.593	18.905
March	1.16	3.931	0.251	0.000	4.183

TXI - MILL CREEK QUARRY RUNOFF INTERCEPTION ESTIMATES

		FACILITY SUMMARY			
2013	PPT ¹	Quarry Monthly Totals	FW Pond Monthly Totals	Troy Monthly Totals	TXI-Mill Creek Totals
		Runoff	Runoff	Runoff	
January	2.30	13.287	4.452	9.747	27.486
February	3.26	27.867	8.565	18.905	55.337
March	1.16	3.700	2.117	4.183	10.000

ATTACHMENT 6

TXI Mill Creek Oklahoma Moisture Content Shipped

Quarter Summary	1st QTR 2013
Total Tons Shipped	
Total MC - Acre Feet	23.88
Average Moisture	2.58%

Water use a portion of which is Groundwater

ATTACHMENT 7

**TISHOMIGO MESONET
MONTHLY CLIMATOLOGICAL DATA**

MESONET CLIMATOLOGICAL DATA SUMMARY
 (TISH) Tishomingo
 Latitude: 34-19-57

January 2013
 Nearest City: 6.0 N Tishomingo
 Longitude: 96-40-44

Time Zone: Midnight-Midnight CST
 County: Johnston
 Elevation: 879 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	38	29	34.1	32.0	32	0	100	83	92	0.00	29.23	30.17	NNW	7.9	18.2	2.96	41.6	38.8	41	37
2	41	24	31.4	25.6	32	0	94	52	80	0.00	29.32	30.27	NNW	5.6	14.4	8.21	40.9	37.7	42	36
3	47	23	34.0	24.6	30	0	95	37	71	0.01	29.44	30.39	NNW	5.9	16.2	11.34	40.0	37.0	42	34
4	46	26	36.7	26.6	29	0	92	44	68	0.00	29.46	30.41	S	4.5	15.0	6.75	40.9	38.2	43	35
5	50	24	40.0	32.7	28	0	98	52	76	0.00	29.31	30.26	SSW	6.2	21.8	8.41	43.2	41.7	47	39
6	54	22	37.7	22.1	27	0	99	23	59	0.00	29.38	30.33	NNE	7.4	20.1	12.94	41.8	39.4	45	36
7	51	18	36.0	25.8	31	0	92	44	68	0.00	29.28	30.23	ESE	5.6	20.2	9.77	40.9	38.0	43	34
8	48	37	43.2	37.3	23	0	97	62	80	0.70	29.13	30.07	ESE	5.9	14.4	2.71	42.9	41.5	45	38
9	54	46	49.8	49.0	15	0	98	96	97	0.53	29.18	30.13	NE	12.5	29.8	1.06	46.1	46.7	49	45
10	60	47	53.4	50.3	12	0	98	70	90	0.13	28.97	29.91	SSW	11.5	27.6	5.86	49.3	51.2	55	49
11	70	45	56.1	46.3	8	0	94	40	72	0.00	28.88	29.81	S	11.8	31.3	11.54	49.4	49.9	55	46
12	62	30	45.0	38.9	19	0	97	48	80	0.03	28.91	29.84	N	13.6	31.9	1.44	49.3	48.7	53	41
13	37	22	28.2	18.5	36	0	84	48	68	0.02	29.23	30.18	N	12.8	28.7	13.07	42.9	39.1	42	37
14	41	23	29.5	15.6	33	0	78	33	57	0.00	29.34	30.29	NNE	12.3	26.0	12.09	40.4	36.3	39	35
15	37	24	29.3	19.9	35	0	80	51	68	0.00	29.26	30.21	NNE	8.2	18.8	5.03	39.7	35.2	36	35
16	47	18	33.2	16.7	32	0	83	23	54	0.00	29.24	30.19	NW	5.2	22.2	13.55	39.5	35.9	40	34
17	57	26	41.1	27.3	24	0	90	33	60	0.00	29.43	30.38	NW	8.5	23.7	13.50	41.0	39.5	47	35
18	58	22	40.0	28.8	25	0	96	34	69	0.00	29.43	30.38	S	7.5	22.4	13.49	41.5	40.3	47	36
19	63	29	45.6	34.7	19	0	96	36	70	0.00	29.23	30.18	S	6.5	20.6	12.31	42.8	42.3	50	36
20	66	28	45.0	36.8	18	0	99	38	77	0.00	29.21	30.15	NE	4.7	20.7	13.58	44.0	44.3	53	37
21	49	29	38.1	19.0	26	0	74	29	48	0.00	29.31	30.26	NNE	11.3	26.8	13.57	43.4	41.9	47	37
22	58	27	42.1	29.2	23	0	82	42	61	0.00	29.29	30.23	SE	6.0	17.7	12.92	43.0	41.7	49	36
23	71	33	51.2	42.4	13	0	93	47	74	0.00	29.23	30.18	SE	5.7	18.5	13.66	45.5	46.6	56	39
24	59	42	50.0	47.0	14	0	99	71	90	0.00	29.17	30.12	ENE	6.3	13.3	6.22	48.2	50.1	55	46
25	50	34	40.8	35.8	23	0	99	58	83	0.01	29.21	30.15	NE	8.5	22.0	10.07	47.9	47.7	52	44
26	45	37	42.8	40.8	24	0	99	83	93	0.01	29.22	30.16	ESE	6.1	15.8	1.86	46.9	45.4	47	44
27	65	43	54.2	52.3	11	0	99	80	94	0.02	29.05	29.99	SSE	9.0	25.0	3.31	48.6	49.5	54	46
28	74	60	68.8	62.0	0	2	91	68	80	0.00	28.96	29.89	S	15.3	30.1	4.67	53.6	58.0	61	52
29	71	49	61.8	56.4	5	0	97	50	83	0.81	28.68	29.61	S	12.7	34.3	1.93	56.5	59.3	62	54
30	49	26	40.4	27.8	28	0	90	34	62	0.00	28.97	29.91	NW	11.8	33.2	11.32	50.5	48.6	54	43
31	65	22	41.5	23.1	21	0	92	18	56	0.00	29.20	30.14	NNE	9.7	32.6	15.42	46.7	43.7	51	38
	54	31	42.6	33.7	<- Monthly Averages ->						29.20	30.14	S	8.6	34.3	8.86	44.8	43.7	48	40
Temperature - Highest: 74 Lowest: 18							Degree Days - Total HDD: 693 Total CDD: 2					Number of Days With: Tmax ≥ 90: 0 Rainfall ≥ 0.01 inch: 10 Tmax ≤ 32: 0 Rainfall ≥ 0.10 inch: 4 Tmin ≤ 32: 20 Avg Wind Speed ≥ 10 mph: 10 Tmin ≤ 0: 0 Max Wind Speed ≥ 30 mph: 6								
Rainfall: Monthly Total: 2.27 in. Greatest 24 Hr: 0.81 in.							Humidity - Highest: 100 Lowest: 18													

MESONET CLIMATOLOGICAL DATA SUMMARY
(TISH) Tishomingo
Latitude: 34-19-57

February 2013
Nearest City: 6.0 N Tishomingo
Longitude: 96-40-44

Time Zone: Midnight-Midnight CST
County: Johnston
Elevation: 879 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	53	22	36.7	19.7	28	0	66	34	51	0.00	29.34	30.29	NE	8.9	23.2	15.35	44.9	41.1	47	37
2	63	30	46.1	28.4	19	0	84	28	53	0.00	29.28	30.22	N	6.7	22.1	15.59	45.5	43.7	52	37
3	62	34	49.6	29.5	17	0	83	26	50	0.00	29.24	30.18	NW	7.6	17.6	13.55	46.4	45.3	53	39
4	69	48	57.4	43.4	7	0	96	40	61	0.00	28.93	29.87	S	8.1	23.2	11.53	50.1	51.4	59	46
5	59	44	51.6	50.4	13	0	99	82	96	0.01	29.04	29.98	ENE	4.1	11.2	4.23	51.7	52.8	57	50
6	56	43	51.4	50.7	15	0	99	91	98	0.02	29.03	29.97	ESE	7.5	22.9	2.21	51.5	51.7	54	49
7	66	47	56.1	53.0	8	0	98	73	90	0.26	28.97	29.91	N	11.7	34.1	5.86	53.5	55.0	60	52
8	57	35	45.2	34.2	19	0	89	34	67	0.00	29.24	30.19	NE	8.8	21.3	15.73	50.9	49.4	55	44
9	51	40	42.9	39.4	20	0	98	73	88	0.04	29.04	29.98	SE	9.4	25.1	2.11	48.7	45.6	47	44
10	63	45	53.9	34.5	11	0	98	21	53	0.27	28.88	29.81	W	9.7	27.3	14.67	50.2	50.6	56	47
11	58*	39*	47.0*	27.8*	17*	0*	68*	28*	48*	0.00*	29.16*	30.10*	NE *	7.6*	19.0*	16.10*	48.7*	47.4*	54*	42*
12	45	37	40.8	37.4	24	0	97	64	88	0.71	29.02	29.96	NE	9.7	28.1	2.10	47.7	46.0	48	45
13	56	31	42.5	32.6	21	0	94	31	72	0.00	29.09	30.03	WSW	6.5	18.9	15.71	47.3	47.4	55	43
14	66	27	46.3	29.4	19	0	98	21	60	0.00	29.10	30.04	NNE	4.5	25.4	17.40	47.4	47.2	57	39
15	49	28	41.1	22.7	27	0	76	27	50	0.00	29.36	30.31	N	12.3	32.8	15.67	47.1	46.1	51	41
16	51	28	39.0	23.9	25	0	96	25	60	0.00	29.33	30.28	NNW	5.9	18.3	17.74	45.3	43.7	52	38
17	70	32	50.8	30.9	14	0	85	23	52	0.00	29.03	29.97	S	12.4	33.9	17.95	46.4	45.4	54	38
18	68	42	56.3	40.0	10	0	79	26	57	0.00	28.90	29.84	S	17.0	38.1	13.54	50.0	50.9	57	47
19	56	33	43.9	24.3	21	0	76	24	49	0.00	29.27	30.22	ENE	6.9	16.1	17.89	48.2	46.7	55	40
20	44	33	36.7	32.3	27	0	99	47	86	0.84	29.14	30.08	E	11.3	27.3	2.93	45.9	43.6	46	42
21	54	33	40.6	34.3	21	0	98	47	80	0.44	28.82	29.76	ESE	11.2	27.0	11.81	45.1	44.6	52	40
22	45	24	32.8	20.9	31	0	84	40	63	0.00	29.12	30.06	N	7.5	25.1	18.15	43.7	44.1	52	39
23	51	24	35.9	22.3	27	0	90	30	61	0.00	29.06	30.00	NNE	4.9	14.8	16.54	43.5	42.4	51	37
24	63	29	47.0	33.4	19	0	91	37	61	0.00	28.88	29.82	SE	9.4	24.9	18.77	45.0	44.5	54	37
25	49	35	43.2	38.6	23	0	96	60	85	0.37	28.61	29.53	ENE	10.4	27.0	2.05	46.3	45.6	47	44
26	53	34	42.1	30.3	22	0	93	36	66	0.01	28.82	29.75	NW	12.5	31.0	17.65	44.9	45.9	54	41
27	51	33	40.3	26.9	23	0	87	29	61	0.00	29.12	30.07	NW	10.3	28.2	19.52	44.7	44.6	52	40
28	54	30	40.2	25.6	23	0	88	27	60	0.00	29.26	30.20	NW	10.3	29.3	19.93	43.6	42.6	51	37
	57*	34*	44.9*	32.7*	<- Monthly Averages ->						29.07*	30.02*	NW *	9.0*	38.1*	12.94*	47.3*	46.6*	53*	42*
Temperature - Highest: 70*							Degree Days - Total HDD: 550*					Number of Days With:								
Lowest: 22*							Total CDD: 0*					Tmax ≥ 90: 0* Rainfall ≥ 0.01 inch: 10*								
Rainfall: Monthly Total: 2.97* in.							Humidity - Highest: 99*					Tmax ≤ 32: 0* Rainfall ≥ 0.10 inch: 6*								
Greatest 24 Hr: 0.84* in.							Lowest: 21*					Tmin ≤ 32: 11* Avg Wind Speed ≥ 10 mph: 10*								
												Tmin ≤ 0: 0* Max Wind Speed ≥ 30 mph: 5*								

MESONET CLIMATOLOGICAL DATA SUMMARY
 (TISH) Tishomingo
 Latitude: 34-19-57

March 2013
 Nearest City: 6.0 N Tishomingo
 Longitude: 96-40-44

Time Zone: Midnight-Midnight CST
 County: Johnston
 Elevation: 879 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	50	27	37.1	26.3	26	0	91	42	67	0.00	29.28	30.23	NNW	9.0	24.9	15.36	43.2	41.7	49	37
2	51	24	36.6	21.7	27	0	82	31	58	0.00	29.35	30.30	NNW	7.1	20.0	20.06	42.5	41.2	50	36
3	67	28	49.0	29.3	18	0	89	26	51	0.00	29.03	29.97	SSE	11.6	29.2	18.28	44.3	44.1	53	37
4	77	45	62.1	38.8	4	0	81	23	45	0.00	28.71	29.65	S	14.9	46.8	19.30	49.4	51.5	60	46
5	53	37	44.1	22.9	20	0	75	25	46	0.00	29.29	30.24	NNW	16.2	49.4	20.91	47.7	47.8	54	43
6	55	30	41.8	19.3	23	0	70	19	44	0.00	29.38	30.33	NE	5.4	14.9	18.60	46.2	45.2	56	37
7	68	35	51.8	25.0	13	0	66	19	38	0.00	29.21	30.15	SSE	10.6	28.2	20.47	47.7	47.4	57	40
8	60	48	54.6	41.9	11	0	86	41	63	0.00	29.14	30.08	SE	9.0	23.7	3.25	49.2	49.0	52	47
9	64	55	58.8	55.4	5	0	98	64	89	0.46	28.86	29.79	SSE	11.8	32.5	2.12	52.1	53.9	57	51
10	55	32	44.2	36.0	21	0	96	57	73	0.06	28.94	29.88	NW	10.8	30.2	7.94	50.8	50.3	55	43
11	56	28	39.7	23.7	23	0	93	22	59	0.00	29.09	30.03	NW	6.2	20.7	22.07	46.7	45.2	54	38
12	62	29	46.8	29.9	19	0	93	25	56	0.00	29.24	30.19	NE	6.2	19.9	15.93	47.7	46.8	55	39
13	63	36	49.8	26.4	15	0	75	24	42	0.00	29.42	30.37	NE	5.9	16.4	21.67	49.7	49.6	60	41
14	76	39	57.8	38.6	7	0	75	29	51	0.00	29.28	30.23	S	8.6	25.4	21.13	51.7	52.4	62	44
15	79	47	64.3	45.5	2	0	86	29	54	0.00	29.04	29.98	SSW	12.6	32.5	21.67	54.2	56.0	65	48
16	79	56	66.9	51.0	0	2	78	42	58	0.00	28.82	29.76	S	11.3	25.8	21.51	57.2	59.6	69	52
17	64	43	50.6	42.5	11	0	88	63	74	0.00	28.80	29.74	NNE	7.6	19.7	8.05	55.9	55.8	60	52
18	63	41	50.4	39.8	13	0	94	35	70	0.00	28.93	29.87	NNE	10.3	26.6	21.31	53.8	54.1	63	48
19	60	38	50.7	33.0	16	0	89	25	55	0.00	29.13	30.08	ENE	7.3	21.5	13.77	52.5	51.4	58	45
20	61	36	49.6	29.0	17	0	73	25	48	0.00	29.25	30.20	NNE	7.2	18.1	22.85	53.0	53.2	64	44
21	55	43	47.1	34.8	16	0	83	46	63	0.09	28.84	29.77	SE	12.1	32.1	8.85	51.8	49.8	54	47
22	45	39	42.3	39.4	23	0	96	77	90	0.00	28.85	29.79	NNE	12.2	25.5	3.79	49.7	47.4	49	46
23	47	41	44.2	42.7	21	0	98	88	95	0.15	28.84	29.78	NE	7.7	26.0	2.31	49.2	47.5	49	47
24	48	28	39.4	24.4	27	0	90	28	57	0.00	29.10	30.04	NW	16.2	38.7	21.94	47.2	46.0	52	41
25	48	25	36.1	15.9	28	0	79	24	47	0.00	29.35	30.30	NNW	10.3	33.2	24.24	44.8	43.4	53	37
26	54	19	38.4	18.2	28	0	88	21	48	0.00	29.42	30.37	NW	4.6	17.4	24.43	46.0	45.6	58	36
27	67	33	52.1	29.4	15	0	68	27	43	0.00	29.23	30.18	S	12.1	39.3	23.37	48.7	49.7	61	39
28	71	45	59.5	47.7	7	0	84	50	66	0.00	29.18	30.13	S	11.2	27.3	17.80	52.2	55.4	64	46
29	73	58	64.7	55.9	0	0	89	55	74	0.06	29.14	30.09	S	10.8	27.5	10.92	56.5	60.4	66	56
30	77	52	64.9	57.9	1	0	96	58	79	0.00	29.01	29.95	S	7.0	23.3	15.23	59.1	62.3	70	56
31	71	50	61.5	49.4	5	0	97	36	68	0.64	29.00	29.94	NNE	8.8	44.6	22.36	60.1	62.3	70	57
	62	38	50.2	35.2	<- Monthly Averages ->					29.10	30.05	S	9.8	49.4	16.50	50.3	50.5	58	44	
Temperature - Highest: 79					Degree Days - Total HDD: 463					Number of Days With:										
Lowest: 19					Total CDD: 3					Tmax >= 90: 0					Rainfall >= 0.01 inch: 6					
										Tmax <= 32: 0					Rainfall >= 0.10 inch: 3					
Rainfall: Monthly Total: 1.46 in.					Humidity - Highest: 98					Tmin <= 32: 10					Avg Wind Speed >= 10 mph: 16					
Greatest 24 Hr: 0.64 in.					Lowest: 19					Tmin <= 0: 0					Max Wind Speed >= 30 mph: 10					

ATTACHMENT 8

**TISHOMIGO MESONET
DAILY EVAPORATION DATA**

From Tishomingo Mesonet Site

Day	Pan Evaporation	Day	Pan Evaporation	Day	Pan Evaporation
3/31/2013	0.2	2/28/2013	0.15	1/31/2013	0.17
3/30/2013	0.15	2/27/2013	0.14	1/30/2013	0.1
3/29/2013	0.17	2/26/2013	0.14	1/29/2013	0.07
3/28/2013	0.2	2/25/2013	0.04	1/28/2013	0.1
3/27/2013	0.28	2/24/2013	0.16	1/27/2013	0.05
3/26/2013	0.14	2/23/2013	0.1	1/26/2013	0.02
3/25/2013	0.17	2/22/2013	0.1	1/25/2013	0.06
3/24/2013	0.18	2/21/2013	0.11	1/24/2013	0.05
3/23/2013	0.03	2/20/2013	0.05	1/23/2013	0.1
3/22/2013	0.04	2/19/2013	0.13	1/22/2013	0.09
3/21/2013	0.15	2/18/2013	0.24	1/21/2013	0.13
3/20/2013	0.18	2/17/2013	0.24	1/20/2013	0.08
3/19/2013	0.14	2/16/2013	0.1	1/19/2013	0.09
3/18/2013	0.17	2/15/2013	0.14	1/18/2013	0.09
3/17/2013	0.12	2/14/2013	0.12	1/17/2013	0.1
3/16/2013	0.29	2/13/2013	0.1	1/16/2013	0.07
3/15/2013	0.29	2/12/2013	0.04	1/15/2013	0.05
3/14/2013	0.24	2/11/2013	0.14	1/14/2013	0.1
3/13/2013	0.18	2/10/2013	0.17	1/13/2013	0.07
3/12/2013	0.13	2/9/2013	0.06	1/12/2013	0.1
3/11/2013	0.14	2/8/2013	0.12	1/11/2013	0.14
3/10/2013	0.1	2/7/2013	0.08	1/10/2013	0.06
3/9/2013	0.07	2/6/2013	0.02	1/9/2013	0.03
3/8/2013	0.11	2/5/2013	0.04	1/8/2013	0.04
3/7/2013	0.27	2/4/2013	0.14	1/7/2013	0.06
3/6/2013	0.13	2/3/2013	0.13	1/6/2013	0.09
3/5/2013	0.24	2/2/2013	0.13	1/5/2013	0.05
3/4/2013	0.35	2/1/2013	0.13	1/4/2013	0.04
3/3/2013	0.23			1/3/2013	0.05
3/2/2013	0.12		3.26	1/2/2013	0.04
3/1/2013	0.11			1/1/2013	0.02

ATTACHMENT 9

TXI's Weather Station

Date	Daily Rainfall Total	Total Daily Evaporation *	Date	Daily Rainfall Total	Total Daily Evaporation *	date	Daily Rainfall Total	Total Daily Evaporation *
3/31/2013	0.26	1.64	2/28/2013	0	3.783	1/31/2013	0	2.371
3/30/2013	0	1.863	2/27/2013	0	3.181	1/30/2013	0	2.098
3/29/2013	0.05	1.589	2/26/2013	0.01	-0.298	1/29/2013	0.79	1.598
3/28/2013	0	1.317	2/25/2013	0.29	0.289	1/28/2013	0	5.318
3/27/2013	0	1.398	2/24/2013	0	5.101	1/27/2013	0.05	4.381
3/26/2013	0	1.42	2/23/2013	0	1.704	1/26/2013	0.01	4.202
3/25/2013	0	1.096	2/22/2013	0	1.802	1/25/2013	0.02	5.733
3/24/2013	0.02	2.316	2/21/2013	0.22	0.782	1/24/2013	0.01	6.245
3/23/2013	0.04	1.068	2/20/2013	0.95	1.291	1/23/2013	0	3.678
3/22/2013	0	2.196	2/19/2013	0	1.077	1/22/2013	0	1.067
3/21/2013	0.04	1.783	2/18/2013	0	0.96	1/21/2013	0	3.288
3/20/2013	0	1.571	2/17/2013	0	3.678	1/20/2013	0	5.793
3/19/2013	0	1.37	2/16/2013	0	4.271	1/19/2013	0	5.958
3/18/2013	0	3.18	2/15/2013	0	2.356	1/18/2013	0	3.94
3/17/2013	0	1.237	2/14/2013	0	1.787	1/17/2013	0	1.317
3/16/2013	0	2.079	2/13/2013	0	0.576	1/16/2013	0	1.95
3/15/2013	0	1.401	2/12/2013	0.79	0.361	1/15/2013	0	0.906
3/14/2013	0	1.888	2/11/2013	0	0.756	1/14/2013	0	0.94
3/13/2013	0	2.552	2/10/2013	0.66	3.594	1/13/2013	0	4.335
3/12/2013	0	2.339	2/9/2013	0.04	2.052	1/12/2013	0.2	3.283
3/11/2013	0	0.87	2/8/2013	0	4.546	1/11/2013	0	5.713
3/10/2013	0.64	3.123	2/7/2013	0.23	6.307	1/10/2013	0.33	4.221
3/9/2013	0.11	-3.432	2/6/2013	0.04	2.814	1/9/2013	0.57	1.184
3/8/2013	0	8.439	2/5/2013	0.03	5.769	1/8/2013	0.3	-2.201
3/7/2013	0	1.646	2/4/2013	0	1.29	1/7/2013	0	0.978
3/6/2013	0	1.841	2/3/2013	0	2.016	1/6/2013	0	4.458
3/5/2013	0	6.528	2/2/2013	0	3.304	1/5/2013	0	3.39
3/4/2013	0	1.918	2/1/2013	0	1.133	1/4/2013	0	0.713
3/3/2013	0	3.366				1/3/2013	0	1.357
3/1/2013	0	0.126				1/2/2013	0	1.856
						1/1/2013	0.01	5.771

Note: Pan evaporation data not valid in winter TXI is using data from Tishomingo Mesonet site until better correlation is noted

ATTACHMENT 10

USGS STREAMSTATS MODEL REPORT FROM MILL CREEK BRDGE at HIGHWAY (AS NOTED BELOW

Tue Jun 25 2013 12:30:54 Mountain Daylight Time

Site Location: Oklahoma

NAD27 Latitude: 34.4050 (34 24 18)

NAD27 Longitude: -96.8629 (-96 51 46)

NAD83 Latitude: 34.4051 (34 24 18)

NAD83 Longitude: -96.8632 (-96 51 47)

Drainage Area: 46.74 mi2

Percent Urban: 3.27 %

Percent Impervious: 0.18 %

Peak-Flow Basin Characteristics			
100% Peak Statewide Unregulated 2010 5137 (46.7 mi2)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Contributing Drainage Area (square miles)	46.7	0.1	2510
Stream Slope 10 and 85 Method ft per mi (feet per mi)	11.3	1.98	342
Mean Annual Precipitation (inches)	41.66	16.6	62.1

Floodwater Retarding Structure Regulated Peak-Flow Basin Characteristics			
51% Peak Statewide NRCS Regulated 2010 5137 (24 mi2)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Unregulated Drainage Area (square miles)	24	0.1	2510
Stream Slope 10 and 85 Method ft per mi (feet per mi)	11.3	1.98	342
Mean Annual Precipitation (inches)	41.66	16.6	62.1

Flow-Duration Basin Characteristics			
100% Duration Region 2 2009 5267 (46.7 mi²)			
Parameter	Value	Regression Equation Valid Range	
		Min	Max
Contributing Drainage Area (square miles)	46.7	4.02	7159
Jun to Oct Gage Precipitation (inches)	18.7 (above max value 17.9)	13	17.9
Stream Slope 10 and 85 Method ft per mi (feet per mi)	11.3	2.07	27
Elevation of Gage (feet)	993	518	1190
Nov to May Gage Precipitation (inches)	22.9 (above max value 19.2)	12.5	19.2
Mean Annual Precip at Gage (inches)	41.6	33.7	45.6

Warning: Some parameters are outside the suggested range. Estimates will be extrapolations with unknown errors.

Peak-Flow Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK2	2590	47	2		
PK5	5020	35	5		
PK10	7310	32	8		
PK25	11000	35	9		
PK50	13900	34	11		
PK100	16800	36	12		
PK500	25400	43	12		

Floodwater Retarding Structure Regulated Peak-Flow Streamflow Statistics					
Statistic	Flow (ft ³ /s)	Prediction Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
PK2C	1670	47	2		
PK5C	3240	35	5		
PK10C	4700	32	8		
PK25C	7110	35	9		
PK50C	8970	34	11		
PK100C	10900	36	12		
PK500C	16600	43	12		

Flow-Duration Streamflow Statistics

Statistic	Flow (ft ³ /s)	Estimation Error (percent)	Equivalent years of record	90-Percent Prediction Interval	
				Minimum	Maximum
AVE_DV	29.9				
D20	32.4				
D50	9.07				
D80	2.34				
D90	1.23				
D95	1.06				
D20SUM	17				
D50SUM	4.35				
D80SUM	1.98				
D90SUM	1.58				
D95SUM	0.87				
D20WSP	41.4				
D50WSP	15.2				
D80WSP	4.04				
D90WSP	1.93				
D95WSP	1.4				
JAND20	32.2				
JAND50	11.4				
JAND80	3.4				
JAND90	1.69				
JAND95	1.75				
FEBD20	37				
FEBD50	14.5				
FEBD80	4.5				
FEBD90	3				
FEBD95	1.73				
MARD20	47.6				
MARD50	18.8				
MARD80	6.67				
MARD90	3.56				
MARD95	1.77				
APRD20	51.6				
APRD50	21.9				
APRD80	8.63				
APRD90	4.32				
APRD95	2.54				
MAYD20	43.8				
MAYD50	13.2				
MAYD80	4.65				
MAYD90	2.42				
MAYD95	1.23				
JUND20	36.7				
JUND50	8.89				
JUND80	2.92				
JUND90	1.77				
JUND95	0.87				

JULD20	11.8				
JULD50	4.91				
JULD80	0.95				
JULD90	0.77				
JULD95	0.52				
AUGD20	5.06				
AUGD50	2.02				
AUGD80	0.74				
AUGD90	0.55				
AUGD95	0.35				
SEPD20	8.58				
SEPD50	2.26				
SEPD80	0.7				
SEPD90	0.49				
SEPD95	0.027				
OCTD20	12.8				
OCTD50	2.94				
OCTD80	0.84				
OCTD90	0.37				
OCTD95	0.08				
NOVD20	30.4				
NOVD50	6.86				
NOVD80	2.11				
NOVD90	2.14				
NOVD95	1.28				
DECD20	31				
DECD50	9.38				
DECD80	3.13				
DECD90	2.19				
DECD95	2.08				