

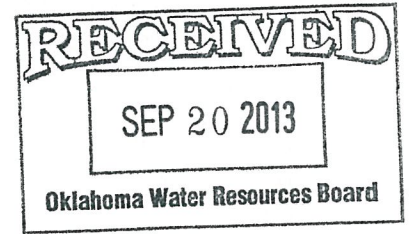


DOLESE®

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19 September 2013
13-ED-488

Mr. Kent Wilkins, Assistant Chief
Planning and Management Division
Oklahoma Water Resources Board
3800 North Classen Boulevard
Oklahoma City, OK 73118



**RE: Water Monitoring Plan Report, 2nd Quarter 2013, for Dolese Bros.
Co. Davis Quarry, Murray County, Oklahoma**

Dear Mr. Wilkins:

According to the Oklahoma Water Resources Board's Title 785, Chapter 30, Subchapter 15, Part 4, *Mines with Preexisting Exemptions*, Dolese Bros. Co. Davis Quarry qualifies as a mine with a preexisting exemption. As part of maintaining this exemption status, the regulations require us to do the following:

1. Adopt and implement a plan to monitor and report to the Board the accumulation and disposition of pit water during the previous calendar year;
 - The Davis Quarry has adopted and implemented such a plan, and the tables below serve to report to the Board the accumulation and disposition of pit water during the previous quarter. Once the year ends, we will summarize the accumulation and disposition of pit water for the calendar year.
2. Make quarterly and annual reports of the measured or reasonably estimated groundwater and surface water volumes, separately stated, entering the pit, of the water that is diverted from the pit, of the disposition of the water from the pit, and of the consumptive use of the water from the pit on or before the deadlines provided by Title 82 of Oklahoma Statutes, § 1020.2(E)(1); and
 - The Davis Quarry has fulfilled this obligation by compiling and submitting this Second Quarterly Report for 2013. The specific information requested in this section is outlined in the tables shown below.
3. At any time after March 31, 2015, demonstrate to the satisfaction of the Board within the pertinent report or reports that the mine has not consumptively used during the previous twelve-month period, from the mining site, an amount of groundwater which combined with any amounts used from permitted groundwater wells exceeds the MEPS¹. Such demonstration may require providing to the Board a copy of the mine's monitoring plan and all of the data collected and procedures used to support the calculations and results reported.
 - After 31 March 2015, the Davis Quarry will be willing to demonstrate to the Board that the mine site has not consumptively used during the previous twelve-month period from the mining site, an amount of groundwater which combined with any amounts used from permitted groundwater wells exceeds the MEPS. Additionally, example calculations used in the First Quarterly Monitoring Report for 2013 have already been submitted to the OWRB for review and analysis.

¹ Mine's Equal Proportionate Share

Table 1

Accumulation and Disposition of Pit Water during 2nd Quarter 2013		Acre-Feet
Water entering the Mine Pit		
Groundwater		16.64
Surface Water		127.35
Total		143.99
Water diverted from the Mine Pit into Fresh Water Lake		
Groundwater		16.64
Surface Water		127.35
Total		143.99
Water removed from Fresh Water Lake		
Groundwater		55.18
Surface Water		520.77
Total		575.95
Water returned to Fresh Water Lake		
Groundwater		40.16
Surface Water		379.06
Total		419.22
Water returned to Land Surface overlying Arbuckle Simpson Aquifer (ASA) basin		
Groundwater		13.20
Surface Water		124.60
Total		137.8
Water consumptively used		
Groundwater (See Table 3 for calculations)		2.98

Table 2

Water Fluctuations in the Fresh Water Lake during 2nd Quarter 2013		
Average Size of Lake during Quarter		28.3 acres
Gain in Water Elevation		5.16 feet
Gain in Lake Volume		146 acre-feet

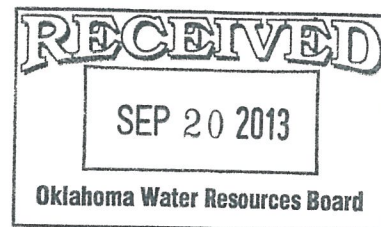


Table 3
Consumptive Use Summary for 2QTR13

Activity or Location	Amount of Pit Water Used, Acre-Feet	Percent Ground- Water	Groundwater Component, Acre-Feet
1 North Water Well	0.00	All	1.13
2 South Water Well	0.00	All	0.26
3 Material Moisture Hauled from Site	3.42	9.58% *(0.0958)	0.33
4 Land Application for Roadway Dust Suppression	12.85	9.58% *(0.0958)	1.23
5 Evaporation from Mine Pit	0.25	11.56% *(0.1156)	0.04
For 2QTR13, Total Groundwater Consumption from ASA at Davis Quarry = 2.98 Acre-Feet			

Table 4
Groundwater Rights

Davis Quarry Groundwater Rights

From Acreage ON the Arbuckle-Simpson Aquifer
And Included in the ASA Groundwater Rights:

$(1,083 \text{ acres on ASA}) * (0.2 \text{ ac-ft/acre}) = 216.6 \text{ acre-feet ON the ASA}$

From Acreage OFF the Arbuckle-Simpson Aquifer
And Excluded from the ASA Groundwater Rights:

$(937 \text{ acres off ASA}) * (2.0 \text{ ac-ft/acre}) = 1,874 \text{ acre-feet OFF the ASA}$

Based on the plan that we have adopted and implemented to monitor and report the accumulation and disposition of pit water, based on our actual consumptive use of groundwater quantities, and based on the timely submittal of this Second Quarterly Report for 2013 (2QTR13), we believe that we are in full compliance with all of the regulations that allow us to maintain our preexisting exemption.

Please contact me if you have any questions or comments concerning this submittal. Thank you.

Sincerely,
DOLESE BROS. CO.

Daniel E. Becker
Daniel E. Becker, P.E.
Environmental Engineer

