

McKinney Water District El Dorado and Placer Counties

Board Meeting Minutes

McKinney Water District Board of Directors Meeting March 26, 2021

The McKinney Water District Board Meeting was convened by Director Swartfager at 8:01 am. Due to public meeting restrictions caused by the COVID-19 virus, this meeting was held via teleconference, (855) 212-0212.

Meeting ID: 963-145-770#.

ROLL CALL:

Directors Present: J. Swartfager, V. Dangler, S. Cotner, M. Noack, K. Arcidiacono

Directors Absent:

Others Present: K. Gunter, G. Payne

Approval of Minutes from the Previous Meeting

The minutes of the Regular adjourned meeting of the Board of Directors, held February 26, 2021 was approved on a motion by Director Swartfager and seconded by Director Noack by a vote of 5 to 0.

OLD BUSINESS

A. Update – Well Pump Failure Analysis Summary.

The District Agent provided the Board with the Failure Analysis Summary. It was determined that a high amperage spike caused the failure of the pump.

This summary has been sent to Farr West Engineering for review. They have requested photos of the damage. The detailed report with photos will be included in the damage claim to Liberty Energy.

Farr West recommends the District put protections in place such as a VFD to prevent further damage to the pump system.

See Addendum C for the Failure Analysis Summary

B. Transfer of funds into El Dorado Savings Bank CD

Funds were transferred from the El Dorado Savings Bank Money Market account into a 12-month Certificate of Deposit- \$100,000 at a rate of .025%

NEW BUSINESS and MONTHLY REPORTS

A. Treasurer's Report

Financial Institution	Acct#	Date	Amount
El Dorado Savings	Checking	As of 3/24/21	\$79,419.65
El Dorado Savings	Savings	As of 3/24/21	\$27,682.34
El Dorado Savings	Cert of Deposit	As of 2/23/21	\$100,000.00
Bank of the West	Checking	As of 2/28/21	\$5,101.00
Bank of the West	Savings	As of 2/28/21	\$244,191.50
US Bank	Savings	As of 2/28/21	\$226,597.08
Bank Totals			\$682,991.57
Total Bills/Charges			\$6785.14
Bank Totals - Less B&C			\$676,206.43
Notes			
Rec'd Placer Co.	Deposited in Checking	2/23/21	\$11.37
Rec'd El Dorado Co.			
Uncashed Checks			

B. Bills, Charges and Transfers

Vendor Name	Description of Service	Total Due
District Agent, Graham Payne	February 2021 – Monthly Flat Fee Includes Phone and Meeting Attendance	\$1,110.00
Sec/Treas. K. Gunter	Services for March 2021	\$2,000.00
District Agent – G. Payne	Misc. Additional Work (included in Payroll)	100.00
Tahoe Regional Planning	MOU Annual Monitoring Fee	\$920.00
Clauss Excavation	Snow Removal 2/4, 2/12, 2/13, and 2/2-/21	\$265.00
Karla Gunter	Postage \$165.00, Copy Paper \$5.89, Teleconference \$18.72	\$189.61
Cranmer Engineering		\$0
Liberty Energy "Old Well"	Acct# 88513447	\$16.22
Liberty Energy "New"	Acct# 88549765	\$477.71
AT&T Security Phone	Ph 530-525-1120 162	\$100.00
AT&T Security Phone	Ph 530-525-1309 367	\$103.70
State and Fed. Taxes	February 2021 Payroll Taxes (pd. by payroll Co.)	\$957.36
Verizon	Services for Feb. 2021 (Autopay)	\$45.54
	Meeting Hosting Fee 3/26/21 (included in payroll)	\$0.00
Director Fees	Regular Meeting 3/26/21 Swartfager, Cotner, Dangler, Noack, Arcidiacono	\$500.00
Total Bills and Charges		\$6785.14

District Office: 103 Simmons Way Folsom, CA 95630 - (916) 987-7130 - karlagunter@yahoo.com

District Agent: (530) 307-9032 – wpsgraham@gmail.com

Bills/Charges & Transfer Approved This Meeting

On a motion of Director Swartfager and seconded by Director Dangler the bills and charges were approved by a vote of 5 to 0.

C. Water Sample Analysis “Cranmer Laboratory” March 2021

Coliform/Fecal testing per sample site plan came back negative. Samples were taken at 901 McKinney Rubicon Springs Rd. in McKinney Estates.

D. District Agent G. Payne – “Monthly Report” March 2021

The Secy./Treas. presented the District Agent’s Monthly Report. February, 2021 Production 1,202,179 Gallons. #2 Well Water – Level: Static 16.3 Dynamic 79.9 Five-minute recovery 34.2 Low for the month 15.3
For repairs, replacements and detailed activities see Addendum A – District Agent Monthly Report. For Additional Services Performed see Addendum B.

E. General Discussion

The Secretary/Treasurer contacted CSDA to have their staff attorney review the MWD By-Laws. We are waiting for their comments.

F. Adjournment

There being no further business to come before the Board, on a motion by Director Swartfager seconded by Director Cotner the meeting was declared adjourned, at 8:16 am by a vote of 5 to 0. The next regularly scheduled meeting will be held on Friday April 23, 2021 at 8:00 A.M. at the regular meeting place.

Jerry Swartfager
President

Karla Gunter
Secretary/Treasurer

Addendum A

Agent's Report

Date 2/15/2021

Well #2 Meter Reading	1st 9,688,913	15th 10,310,411
Gallons Produced	621,498	
Booster #1 19050	Booster #2 18040	Booster #3 660
Power Meter Reading	Date	Well # 1
	2/15/2021	Well # 2 OOPS will get it

Water Samples

Date	Location
2/2/2021	Bac-T 590 McKinney Rubicon Springs Road
	Other

Work Performed

Observations

Date	Work Performed	Observations
2/15/2021	Well # 1 Flushing/Inspection	To much snow All Alarms Tested via phone
2/15/2021	Well # 2 Inspection	All Alarms Tested OK
2/15/2021	Tank Inspection	Secure All Alarms Tested
2/12/2021	Water line location/USA 6460 Emerald Circle for Ground Rod Installation	
	Water Shut Off/On	
	Leaks Reported	
	Leaks Repaired	
	Valve Box Repaired	
	Hydrants Flushed	System Shutdown None - To much snow System Flush
	Valves Exercised	New valve installation None - To much snow
2/15/2021	Well # 2 Water level	17.0 Dynamic 77.2
	Low for month 15.1	5 min. recovery 28.6
2/15/2021	Generator Inspection/Test run	Genset ran. Need to dig out again
	Customer Complaints	
	DHS Projects	None
	Other	
2/12/2021	USA at 6460 Emerald Circle for the installation of ground rod.	
2/12/2021	Phone assistance for Fire Sprinklers at 510 McKinney Rubicon Springs Rd.	

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Addendum B

Time Sheet

TIME PERIOD 2/15/2021 - 3/15/2021

Mckinney water district

District Office
103 Simmons Way
Folsom, CA 95630
916 806-0510

Employee name: Graham Payne	Title: District Agent
Monthly Salary	\$1000.00
Meeting Attendance/Phone Allowance	\$110.00

DATE	HOURS	SERVICES PROVIDED
3/12/2021	1	MEETING WITH FRANKLIN ELECTRIC AND WESTERN HYDRO REGARDING PUMP FAILURE.
3/10/2021	1	CALL FROM NTFPD REGARDING FIRE HYDRANT THAT WAS NOT DRAINING. LOOKED AT IT ON THE 14 TH AND ATTEMPTED TO FLUSH PORT. WORKED AND WILL WORK ON IT MORE. NOT A FIRE FLOW ISSUE.
total hours	2	
Employee signature:		Date: 3/21/2021

Addendum C

Failure Analysis Summary

Motor returned with 4 feet of lead. When received, motor diaphragm and diaphragm cover were missing. Found the diaphragm cover screws were broken. Motor failed insulation resistance test. Shaft height was high. Rotor was locked. Per the 2207, motor used in potable water application. SubMonitor was marked as the overload but no download attached. Full voltage starter used, but no details provided on it. Goulds pump attached. Well Data: 12" casing, 400' deep; static level = 20'; drawdown = 89'; check valve @ 21' and 210'; pump inlet = 215'; no flow sleeve; well depth = 400'. After teardown, found no fill solution in motor. Liner was bulged at both corrugation areas. Holes were burnt through liner and into stator bore at both end turn areas. From these results, failure is due to winding failure from a surge. Given the bottom end of the motor (diaphragm and cover) were missing from the bolts being broken, a significant surge had occurred. Excessive pressure build up is what caused them to break. No evidence of a manufacturing defect being the cause for failure. IMPORTANT: The conclusions and suggestions presented in this report are based on the pump/motor failure analysis and the information available to the writer at the time the report was written. The accuracy of the conclusions and suggestions in this report should be verified by those with more extensive knowledge of this site and its hydraulics. Thank you for this opportunity to be of service. A no-charge copy of the AIM manual can be obtained by phoning the Franklin Electric USA Hotline based in Fort Wayne, Indiana at 1-800-348-2420 or on-line at www.franklin-electric.com. Real time site assistance is also available at this number.