

**MINUTES OF ACTION
OF THE
BOARD OF DIRECTORS
GRANBY SANITATION DISTRICT
Acting by and through its Wastewater Activity Enterprise
April 12, 2017**

The regular meeting of the Board of Directors of the Granby Sanitation District was duly called to order at the Granby Sanitation District Treatment Plant on Wednesday, April 12, 2017, at 7:00 p.m. by President, Wayne Kerber. Present were Board members Wayne Kerber, Debra Brynoff, Casey Farrell, Kelly Griesch and Nancy Stuart. Also in attendance were District Administrator, Tammy Granger; Operations Superintendent, Hopper Becker; Operator Jordan Ennis and Tom Satchell and John Enochs from Diamondback Engineering.

Hopper introduced Jordan Ennis, who began employment with the District on March 6, 2017. Hopper praised Jordan for his work ethic and speed of learning a new career. The Directors made their introductions and welcomed Jordan to the District.

The minutes from the regular meeting held on March 8, 2017 were considered. Nancy Stuart moved to approve the minutes as presented. The motion was seconded by Casey Farrell and unanimously approved.

Next, the bills listing and financial reports were reviewed and discussed. Debra Brynoff moved to pay the bills, including Diamondback Engineering invoices 2017-47 and 2017-48, and approve the financial reports. Nancy Stuart seconded and the motion was unanimously approved.

Hopper Becker reviewed the Operations Report and discussed the following matters:

- Influent flow has increased slightly but effluent remains well within the District's permit limits.
- Joe Starika will be leaving later in the month to take a job with Grand Lake Fire.
- CDPHE advised that the District will continue operating on an administrative extension of their discharge permit as it has not yet been reviewed for renewal.
- An oxygen sensor and new gas for the 4-gas monitor has been ordered. A new gas monitor will be included in the 2018 budget. Wayne Kerber disclosed that he works for Front Range Fire Apparatus who is a dealer for MSA, supplier of the subject gas monitors, and advises he will recuse himself from discussion and action on such purchases.
- Operations staff are getting ready to begin collection system cleaning and video inspection next month. Dan Reynolds is developing this year's plan.
- In past years there was a Grand County operators group that provided trainings approved for operator continuing education units. There is an effort to re-establish a similar group.

The delinquent account list was reviewed. No action was necessary this month. Disconnect hearings will be scheduled for the May 10, 2017 meeting.

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Tammy Granger gave the Administrative report as written. Discussion was held on Sun Community's request to conduct flow measurement of the A-line (MH A-4). Due to liability concerns resulting from District ownership of wastewater collection and treatment facilities, the Board stated that the District would conduct the flow study at the expense of Sun Community. The Board indicated that the duration of the flow measurement could be reduced to two months (June and July, 2017) rather than three (May, June and July, 2017).

Rod McGowan was unable to attend the meeting and Rod's written comments were reviewed and discussed. Sun does not want occupancy limits imposed on park model sites, however, at the present time they expect that all sites at their property will likely be closed during the winter months. This prompted some brief discussion regarding SFE ratings of park model homes.

In regards to Sun's ownership of collection infrastructure within their development, Hopper explained that operationally the District would want to maintain the right to inspect Sun's sewer lines if necessary, otherwise he has no objection to their ownership of sewer lines serving the RV park property from the point of connection to the District's sewer main.

John Enochs and Tom Satchell of Diamondback Engineering discussed their response to Black & Veatch's Technical Memorandum prepared for Northern Colorado Water Conservancy District (NCWCD). Tom reviewed and summarized the response he prepared for Granby Sanitation District. Tom explained that the last wastewater treatment plant expansion for Granby Sanitation District was designed to remove nitrates with the expectation that nutrient removal would be a future requirement. He commended the Board in acting in a proactive manner by including nitrogen reduction in the expansion project. Tom also stated that phosphorus reduction can be achieved through a chemical (alum or ferric chloride) feed system. The main issue to address is expanding solids handling capacities at the treatment plant, either through the construction of aerobic digesters or additional composting facilities and upgraded dewatering equipment.

Tom stated that the treatment plant is running well and nitrogen removal is being accomplished as expected and due to the stability of the effluent nitrogen numbers he believes that the District will be able to meet expected future nitrogen limits set by CDPHE with current facilities.

Diamondback Engineering agrees that Black & Veatch's design will meet Northern's goals of nutrient reduction. Mr. Satchell offered these matters of concern for the Board's consideration should they choose to be a participant in Northern's nutrient reduction program:

- NCWCD already benefits from the current level of nitrogen removal achieved by Granby Sanitation District.
- Current waste sludge is held in holding tanks until dewatered, mixed with wood amendment and processed in the District's in-vessel composting system. Additional solids that would be produced by Black & Veatch's nutrient reduction processing could trigger the need for additional solids handling facilities consisting of aerobic digesters and dewatering equipment.

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-Are the number of backwash filters necessary or could fewer, larger filters be utilized? There is concern with placement of filters on the top of the aeration basins. Hopper and Tom advised that the filters utilize biological treatment and, therefore, cannot effectively be placed in and out of service throughout the year.

-How would an agreement be drafted to provide adequate protection to the District should Northern's nutrient expectations not be met, yet District discharge permit limits are met? Would sub-permit levels trigger more stringent discharge limits being imposed by Colorado Department of Public Health and Environment (CDPHE) during future permit renewals? Again, the wastewater treatment process is a biological one and while infrequent, treatment plant upsets are always an unpredictable possibility.

-Finally, and most importantly, given the fact that the District can meet future nitrogen and phosphorus limits expected to be imposed by CDPHE with relatively minimal expenditure, what is the benefit to Granby Sanitation District's participation in Northern's nutrient mitigation program?

Kelly Griesch moved to approve Diamondback Engineering and Surveying's Technical Memorandum as presented and authorize its submittal to Black & Veatch and Northern Colorado Water Conservancy District. The motion was seconded by Debra Brynoff and unanimously approved.

There being no further business to come before the Board it was duly moved by Casey Farrell, seconded by Nancy Stuart and unanimously adopted that the meeting stand adjourned at 8:25 p.m.



Casey Farrell, Secretary