

GREATROCK NORTH WATER AND SANITATION DISTRICT

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Mission: To provide the highest quality of water at the most affordable price for current customers and to provide for the expansion of the District as growth occurs.

NOTICE OF A REGULAR MEETING AND AGENDA

<u>Board of Directors:</u>	<u>Office:</u>	<u>Term/Expiration:</u>
Robert William Fleck	President	2020/May 2020
John D. Wyckoff	Vice-President	2018/May 2018
Jeffrey Polliard	Treasurer	2018/May 2018
Brian K. Rogers	Secretary	2020/May 2020
Dave Lozano	Asst. Secretary	2018/May 2018

Consultants:

Lisa A. Johnson	District Manager
Jennifer Gruber Tanaka, Esq.	District General Counsel
Bradley A. Simons, PE	District Engineer

DATE: July 5, 2016
TIME: 5:30 P.M.
PLACE: United Power
500 Cooperative Way
Brighton, Colorado 80603

I. ADMINISTRATIVE MATTERS (Action Items Status Matrix – enclosure - 002)

A. Present Disclosures of Potential Conflicts of Interest.

B. Approve Agenda.

C. Board of Director's Report.

D. Manager's Report (enclosure - 003).

II. CONSENT AGENDA

- A. These items are considered to be routine and will be approved by one motion. There will be no separate discussion of these items unless requested; in which event, the item will be removed from the Consent Agenda and considered in the Regular Agenda.
1. Review and approve the Minutes of the June 7, 2016 regular meeting (enclosure – 004).
 2. Operations and Maintenance update (enclosure – 005).
 3. Review water quality report (enclosure – 006).
 4. Review water meter installations (enclosure – 007).
 5. Consider acceptance of cash position schedule and unaudited financial statements through the period ending May 31, 2016 (enclosure – 008).

REGULAR AGENDA

III. FINANCIAL MATTERS

- A. _____

IV. WATER MATTERS (ADJOURN TO EXECUTIVE SESSION PURSUANT TO §§24-6-402(4)(b) and (e), C.R.S., IF NECESSARY)

- A. Discuss pending water court cases.
-

V. ENGINEER'S REPORT (enclosure – 009)

- A. Review revisions to the Greatrock North Pump Station Project and consider award of a contract.
-

VI. OPERATIONS/MAINTENANCE MATTERS

A. _____

VII. LEGAL MATTERS

A. _____

VIII. OTHER BUSINESS

A. Review of District Website.

IX. COMMUNITY COMMENTS (ITEMS NOT ON THE AGENDA ONLY. COMMENTS LIMITED TO 3 MINUTES PER PERSON AND TAKEN IN ORDER LISTED ON SIGN UP SHEET).

A. _____

X. ADJOURNMENT **THE NEXT MEETING IS SCHEDULED FOR TUESDAY, AUGUST 2, 2016 AT 5:30 P.M.**

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
GRN Pump Station Improvements Project (2016 Capital Project)	5/6/14	Brad John W	12/31/16	1		X				<p>Project to be started and completed in 2016. Refer to previous action items for history of project prior to 2016.</p> <p>2/10/16: Jennifer sent updated bid documents to Brad for review and comment. Brad to provide redlined revisions to same.</p> <p>2/16/16: Electrical design 50% complete. Scheduled to advertise on or before 3/7 and award at April meeting.</p> <p>3/1/16: Lisa to provide courtesy notice to HOA of project.</p> <p>3/15/16: Email to Brad re status of review of construction docs.</p> <p>3/22/16: Email to Brad re status of review of construction docs and bidding of project.</p> <p>3/23/16: Brad published invitation to bid on project.</p> <p>3/29/16: David provided redlined construction docs to Jennifer. Jennifer responded with revisions to be incorporated into final documents. Jennifer requested copy of published invitation.</p> <p>4/19/16: Project advertised in Brighton Blade 3/23, 3/30, 4/6. Pre-bid conducted 4/6. Six (6) GCs requested plans. Bid opening is scheduled for 4/26/16 at 3:00 p.m. at SDMS. Adams County plan review package to be submitted upon receipt of plan review fee (\$1,390). TZA meeting with TLECC on 4/28/16 to discuss updated instrumentation and control components.</p> <p>4/28/16: Bids reviewed by Board. Brad to contact lowest bidder to determine whether any line items too high, obtain proposal from STG for addition of 8 feet to top of existing tank and obtain quotes for replacement of existing pumps and motors for review and consideration.</p> <p>5/18/16: Brad drafting memo to Board with updated information. Meeting Chris Thompson at site re pumps, etc. Brad to call John W re project.</p> <p>6/7/16: Brad, John and Dan LaCoe to review options for design and cost for negotiation of revised scope to meet efficiencies.</p> <p>6/21/16: Lisa, John, Brad, and Dan meet to review options to reduce costs.</p> <p>6/24/16: Jonathan issues revised concept drawings to Dan for pricing.</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
Rules and Regulations	8/27/14	Jennifer Lisa Brad Jeff	5/31/16	3		X				<p>Board to consider reissuance of rules and regulations to update. Add final inspection of meters/pits with issuance of letter of acceptance by District. Must have in place going forward. Any failure to keep pit visible and accessible is violation of rules and regulations and may be subject to fees and/or fines. Copper piping v. blue pipe.</p> <p>5/5/15: Address outdoor use of water in BECR based upon Matt Poznanovic’s determination of permitted uses in decrees.</p> <p>6/17/15: Also address set up and location of curb stops in BECR to avoid issues going forward. Brad to look at current R&R to see how this is addressed and whether an option is provided.</p> <p>6/25/15: Chad Weaver (TZA) provided information on the curb stop boxes to Lisa Johnson on June 17. The Rules & Regulations should specify 6500 Series Screw Type curb boxes, as manufactured by Castings Inc. (970-243-2032), having a minimum internal diameter of 2.25 inches, or an approved equal. The part number is “C.I. 95-E” and includes a 30” top section and a 39” bottom section allowing for a bury depth of 41 inches to 64 inches. For deeper installations, Castings Inc. offers extensions in 9” (Item 151), 16” (Item 152), 28” (Item 153), and 30” (Item 154) heights.</p> <p>10/21/15: Budgeted as 2016 project.</p> <p>12/9/15: Brad and Jennifer to discuss how to address properties adding a second building to water tap.</p> <p>3/1/16: Jennifer blocked off 3/7 to work on revisions.</p> <p>5/18/16: Jennifer to work on redraft.</p>
Water Rights Acquisition	10/30/13	Lisa Chris Brad Jennifer	12/31/16	1		X	X			Updates to be provided in Executive Session or under separate cover.

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
GIS Services	7/7/15	Brad Lisa	5/31/16	2		X				<p>12/4/15: First proposal from Tamarack expensive. Brad to look at other options which are more cost effective. Dave to check to see who they use as well.</p> <p>1/6/2016: Brad to invite GeoLens and Tamarack to February meeting for 15 minute demonstration by each. Request written proposal from Tamarack. Determine what is provided by GeoLens for monthly charge.</p> <p>1/20/16: Brad met with GeoLens and Tamarack regarding presentation at meeting. Brad to prepare summary memorandum for Board.</p> <p>2/16/16: Group to attend March meeting.</p> <p>3/1/16: Presentations given to Board. Brad and Lisa to meet with Shane at Tamarack to refine and tailor pricing for District.</p> <p>3/23/16: Committee approved engagement of Tamarack and revised proposal received. Agreement for Tamarack for GIS work sent to Lisa for execution.</p> <p>3/29/16: Brad to follow-up with Jonathan on the status of the first data transmittal to Shane Bergman.</p> <p>4/19/16: Tamarack has received and processed boundary and easement data; Spatial issues have been identified that will be discussed on 4/25 (tentative).</p> <p>4/28/16: Shane to purchase Trimble RI data collection device. Lisa to send Jeff Rabas's information to Shane to set up on GIS system.</p> <p>5/18/16: Trimble RI pricier than anticipated plus monthly charge. Information sent to John W for thoughts on device.</p> <p>6/7/16: Board approved revised scope with additional application fee and collection device. Jennifer to draft addendum for same.</p> <p>6/8/16: Addendum to Lisa for execution.</p>
Altela System	8/4/15	Brad Altela	12/31/16	1		X				<p>12/9/15: ON HOLD pending resolution of license matter. Refer to prior action items for history of matter prior to 2016.</p> <p>1/20/16: Brad reached out to Altela to get update.</p> <p>3/29/16: Brad to determine if Mountain Air Ranch is interested in any of these 330-gallon totes. Info sent to MAR via e-mail on 3/29/16 – awaiting response on interest.</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
SCADA Reports	8/31/15	Jeff Brad	3/31/16	2		X				<p>Jeff to review reports to look at erratic levels and determine what issues are. Brad to follow up with Jeff on same.</p> <p>9/16/15: Jeff to meet with Brad to review.</p> <p>10/21/15: Reviewed on Monday. Jeff to provide proposal for new meter.</p> <p>11/18/15: Brad to review reports to determine whether erratic behavior has settled down.</p> <p>12/9/15: Brad to collect additional data in review of reports due to recent changes. Jeff to take picture of readings as well.</p> <p>1/20/16: Reports looking good. Waiting to replace GRN flow meter as part of pump station project. RHF meter appears to be going bad. Brad to look at meter and reports again for this meter to determine if needs to be replaced.</p> <p>2/16/16: RHF meter reading about 1/3 of what is going to the tank. Jeff to put together a quote to replace the RHF distribution meter which is in the vault. Brad believes it is a 6" meter but need to confirm size. (REF. RHF Distribution Flow Meter below.)</p> <p>4/19/16: Jeff e-mailed TLECC on 4/6/16 regarding alluvial well meters resetting during power outages and responded to TLECC's question on 4/7/16.</p> <p>5/18/16: Jeff waiting on cost proposal from TLECC for backup battery for issue. Jeff to follow up with Mike again.</p> <p>6/7/16: Determined there to be a software issue on the computer from automatic updates.</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
Control Valve Evaluation	9/1/15	Jeff Brad	8/31/16	2		X				<p>Brad to develop plan for control valve evaluation. Brad and Jeff to update valve inventory in Allmax software system and work with Lisa and budget committee to prioritize efforts for 2016 and beyond.</p> <p>9/16/15: Brad started compiling list of valves. Brad and Jeff to walk facilities. Brad to begin on Thursday with BECR.</p> <p>9/23/15: Check valve on BECR fire pump completed.</p> <p>10/21/15: Brad started inventory sheet and sent to Jeff with photos. Jeff to complete rest of facilities by end of year.</p> <p>1/20/16: Brad to contact isiWest for quote on servicing BECR pump station valves.</p> <p>2/16/16: Brad contacted isiWest. No response yet. Brad to reach out again.</p> <p>3/1/16: isiWest called back. Brad to send specific valve information for pricing.</p> <p>3/11/16: Jeff transmitted a valve inventory to Lisa for review.</p> <p>3/29/16: Brad to follow-up with iSiWest on the BECR valves and I will review and comment on Jeff's e-mail of 03/11/16.</p> <p>4/19/16: TZA sent inventory of valves to be serviced to iSiWest and REC-ESD on 3/29/16. No responses to date.</p> <p>5/18/16: Brad has quote from isiWest. Jeff to check with Chris on status of information.</p> <p>6/7/16: Brad received quote from REC. Brad to review and provide recommendation.</p>
2010 Arbitrage Analysis	10/6/15	Divena Lisa	12/31/16	3		X				<p>2010 Analysis to be completed.</p> <p>1/20/16: On schedule to begin work.</p> <p>5/18/16: Divena to pull information and send over to Kutak for analysis.</p>
RO Adjustments	1/5/16	Brad Jeff	3/31/16	1		X				<p>Brad and Jeff to revise RO blending so that TDS is 300 mg/l and hardness is 70 mg/l are achieved.</p> <p>1/6/16: RO operations reduced to 4 hours.</p> <p>1/20/16: Jeff forwarded latest test results to Brad.</p> <p>2/16/16: Jeff to get updated results so they can be reviewed prior to meeting. Send results to Brad.</p> <p>3/1/16: Jeff to adjust to 6 hours per day.</p> <p>3/2/16: Mike Atwood made adjustments at 1400. Sample results for 3/9/16 received on 3/21/16.</p> <p>5/18/16: Adjusted back to 4 hours after 4/28 meeting.</p>

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
2015 Audit	1/5/16	Neil Lisa	7/31/16	2		X				2015 Audit to be conducted. 5/18/16: Field work complete. Neil planning to present at June meeting. 6/7/16: Board accepted audit. Neil to file with State Auditor by 7/31 deadline.
RHF Water Tank Paint and Roof	2/25/16	Brad	8/31/16	2		X				Jeff reported paint peeling from tank. Brad left message for Coblaco, the contractor, regarding the matter. 3/28/16: Brad to follow up with Coblaco about roof issues as well. 3/30/16: Mike Atwood met with Coblaco representative on-site. 4/19/16: Brad to follow-up with Coblaco (Greg Smith). 4/28/16: Coblaco determined condensation on roof of tank which impacted paint. Coblaco working to correct issue. 5/18/16: Brad in communication with Coblaco who is working on issue. Will have update for meeting. 6/7/16: Brad working on ways to control humidity with Coblaco for resolution to issue. 6/11/16: Brad has documentation from Coblaco on issues and options and is attempting to meet with local Tnemec representative to review.
Construction Meter for Cary Redman	3/1/16	Jeff Lisa	5/31/16	2		X				Jeff to work with Cary to get him set up for use of construction meter. SDMS to read meter and bill Cary. 5/18/16: Cary has not yet contacted Lisa for meter.
Spare Motors for Pump Stations	3/28/16	Brad	12/31/17	4		X				Incorporate into 2017 budget the purchase of spare motors for pump stations. 3/31/16: Lisa received quote for a spare motor for RHF standard service pumps. Brad to review. 5/18/16: RHF needed pump station now so that one installed now. Others to be reviewed and incorporated into 2017 budget. 5/19/16: RHF Spare Booster Pump ordered.
Air/Vac Valves	3/28/16	John				X				John to contact Cary Redman about potholing the installations west of the BECR tank. 5/18/16: Brad to follow up with John on status. 6/21/16: John indicates Cary is typically available with 2 days notice. Brad, John, and Jeff to discuss at 2 nd quarter operations meeting on 6/30/16.
Discharge Permit Application	3/28/16	Brad				X				Brad to review comments from Jennifer Charles's email.

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
Storage Tank Cleaning Services	4/28/16	Lisa Jeff	7/31/16	2		X				Jennifer to draft agreement. 4/29/16: Agreement to Lisa. 5/18/16: Agreement executed. Jeff coordinating work with Inland. Not yet schedule.
Operations Report	6/7/16	Jeff	7/31/16	3		X				Jeff to start including standard operations information and updates in his report instead of Brad including in his. 6/14/16: Jeff responds to Brad's request. Details of the information to be included to be discussed at the 2 nd quarter operations meeting on 6/30/16.
Website	6/7/16	BOD Staff	8/31/16	3		X				Review website for updates and changes and send Lisa thoughts for discussion at July meeting. Determine whether pictures of people should be included.
Hayesmount Estates Development	6/3/16	Lisa Brad Jennifer	N/A	1		X				Board approved amendment to inclusion agreement to change date when SFE due subject to closing on property. They will need to obtain easement for connection to GRN water lines. Brad to send Lisa list of required improvements for development. 6/6/16: Brad e-mails information on interconnections to Dan LaCoe. 6/8/16: Brad e-mails Dan LaCoe additional information on pumping modifications and flow control/pressure sustaining valve. 6/21/16: Dan LaCoe asks about looping via GN equestrian easement. Lisa to investigate. Brad to send Dan 2007/2008 plans for Hayesmount Estates/Homestead Heights II looping.
ALV 1 and 2 Flow Meter Repairs by TLECC	6/7/16	Lisa	8/31/16	2		X				Board approved TLECC Agreement and addendum. Lisa to have executed and TLECC to perform work. 6/13/16: Agreement and addendum executed.
WATER RIGHTS CASES										
13CW3108 Box Elder Creek Ranch Properties Water Court Application (District's Opposition)	12/3/13	W&J	N/A	1		X				White & Jankowski to provide updates on status of case as available and necessary. Updates to be provided under separate cover.
Prosper Farms Water Court Application 13CW3143	2/5/14	Matt Lisa Chris	N/A	1		X				Updates to be provided under separate cover and discussed in executive session. 9/1/15: Trial scheduled for 10/31-11/4/2016.
14CV3174 District's Water Court Case to Secure Junior Water Rights	11/4/14	Lisa Matt Chris	N/A	1		X				Updates to be provided in Executive Session or under separate cover.

Greatrock North Water and Sanitation District Action Items Status Matrix—2016

Action Items	Date of Meeting	Assigned To	Deadline	Priority	Not Started	In Process	Reoccurring	Follow up Required	Complete	Notes
15CW3010 Box Elder Creek Ranch Properties Application for Augmentation Rights Water Court Case (District's Opposition)	3/3/15	W&J	N/A	1		X				Updates to be provided in Executive Session or under separate cover.
14CW3166 Cooper Surface and Storage Rights Water Court Application (District's Opposition)	3/3/15	Matt	N/A	1		X				Updates to be provided in Executive Session or under separate cover.



Date: June 28, 2016
To: Greatrock North Water and Sanitation District, Board of Directors
From: Lisa A. Johnson, District Manager
Re: July 5, 2016 Manager's Report

Agenda Action Items

II.A. Consent Agenda

1. Review and approve the Minutes of the June 7, 2016 special meeting.
2. Operations and Maintenance update.
3. Review monthly water quality report.
4. Review monthly water meter installations.
5. Accept unaudited financial statements and cash position for the period ending May 31, 2016.

I recommend approval of the consent agenda items.

Review of monthly Water Resumes and Other Water Related Matters

Attorney Poznanovic reviewed the April resume, and did not find any cases that he thinks the District would have an interest in opposing.

Summary of Mid-Month Meeting

Directors Fleck and Wyckoff, Mr. Simons and I did not meet for a mid-month meeting in June.

Update on other District Related Matters

Hayesmount Estates: In a recent meeting with Mr. LaCoe he mentioned that the property did not close on June 15, 2016 as originally planned. The potential buyer has additional due diligence to complete before making a final decision.

2nd Quarter Facility Inspection: 2nd Facility Inspection is scheduled for Thursday, June 30, 2016 at the Box Elder Creek Ranch Facility.

RECORD OF PROCEEDINGS

MINUTES OF A REGULAR MEETING OF THE BOARD OF DIRECTORS OF THE GREATROCK NORTH WATER AND SANITATION DISTRICT HELD JUNE 7, 2016

A regular meeting of the Board of Directors (referred to hereafter as "Board") of the Greatrock North Water and Sanitation District (referred to hereafter as "District") was convened on Tuesday, June 7, 2016 at 5:30 P.M., at United Power, 500 Cooperative Way, Brighton, Colorado. The meeting was open to the public.

ATTENDANCE

Directors In Attendance Were:

Robert W. Fleck
John D. Wyckoff
Brian K. Rogers
Dave Lozano

Following discussion, upon motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the absence of Jeffrey Polliard was excused.

Also In Attendance Were:

Lisa A. Johnson; Special District Management Services, Inc.

Jennifer Gruber Tanaka, Esq.; White Bear Ankele Tanaka & Waldron, P.C.

Brad Simons; TZA Water Engineers

Neil Schilling; Schilling & Company, Inc. (for a portion of the meeting)

Taylor Ward; Tamarack Consulting, LLC (for a portion of the meeting)

DISCLOSURE OF POTENTIAL CONFLICTS OF INTEREST

Disclosures of Potential Conflicts of Interest: Ms. Johnson advised the Board that, pursuant to Colorado law, certain disclosures may be required prior to taking official action at the meeting. Ms. Johnson confirmed that disclosures of conflicts of interest were filed with the Secretary of State's Office and the Board at least 72 hours prior to the meeting for those Directors with potential conflicts of interest. The Board reviewed the Agenda for the meeting, following which, Directors Fleck, Rogers, Lozano and Wyckoff each confirmed that they had no additional conflicts of interest in connection with any of the matters listed on the Agenda.

RECORD OF PROCEEDINGS

ADMINISTRATIVE MATTERS

Agenda: Ms. Johnson distributed for the Board's review and approval a proposed Agenda for the District's regular meeting.

Following discussion, upon motion duly made by Director Rogers, seconded by Director Wyckoff and, upon vote, unanimously carried, the Agenda was approved as amended.

Appointment of Officers: Following discussion, upon motion duly made by Director Fleck, seconded by Director Wyckoff and, upon vote, unanimously carried, the following slate of officers was appointed:

President	Robert William Fleck
Vice President	John D. Wyckoff
Treasurer	Jeffrey Polliard
Secretary	Brian K. Rogers
Assistant Secretary	Dave Lozano

Board of Directors' Report: There was nothing to report.

Manager's Report: Ms. Johnson presented and the Board reviewed the June Manager's Report. She notified the Board that Ms. Mortimeyer is no longer employed with Special District Management Services, Inc. ("SDMS"). SDMS is interviewing to fill the position and will notify the Board when a new accountant has been assigned. A copy of the Manager's report is attached hereto and incorporated herein by this reference.

CONSENT AGENDA

Consent Agenda: The Board considered the following actions:

- Approve Minutes of the April 27, 2016 special meeting.
- Ratify approval of payment of claims through the period ending May 21, 2016, as follows:

General Fund	\$ 31,906.86
Debt Service Fund	\$ 119,103.75
<u>Capital Projects Fund</u>	<u>\$ 1,495.60</u>
Total Claims:	<u>\$ 152,506.21</u>

- Review operations and maintenance update, monthly work orders and Reverse Osmosis service report
- Review monthly water quality report

RECORD OF PROCEEDINGS

- Review monthly water meter installations

- Accept the unaudited financial statements and schedule of cash position through the period ending April 30,2016

Following discussion, upon motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved the consent agenda items.

FINANCIAL MATTERS

Xpress Bill Pay Implementation: Ms. Johnson updated the Board on the successful implementation of Xpress Bill Pay. She also presented a flyer that she would like to include in the June water bills notifying residents of the Xpress Bill Pay service and encouraging them to establish a user account. The Board directed Ms. Johnson to include the flyer in the June bills.

2015 Audit: Mr. Schilling reviewed the 2015 draft Audited Financial Statements with the Board.

Following review and discussion, upon motion duly made by Director Wyckoff, seconded by Director Lozano and, upon vote, unanimously carried, the Board accepted the 2015 Audited Financial Statements and authorized execution of the Representations Letter.

Mr. Schilling left the meeting at this time.

June 7, 2016 Claims: The Board considered approval of payment of claims through the period ending June 7, 2016, as follows:

General Fund	\$ 36,018.43
Debt Service Fund	\$ -0-
<u>Capital Projects Fund</u>	<u>\$ 92,40</u>
Total Claims:	<u>\$ 36,110.83</u>

Following review and discussion, upon motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved the payment of claims for the period ending June 7, 2016.

WATER MATTERS

Pending Water Court Cases: There was nothing new to report.

ENGINEER'S REPORT

Engineer's Report: Mr. Simons presented the Engineer's Report to the Board. A copy of the report is attached hereto and is incorporated herein by this reference.

RECORD OF PROCEEDINGS

Concentrate Management: There was nothing new to report.

Greatrock North Pump Station Project Review of Alternatives:

Mr. Simons discussed the research he conducted regarding other alternatives to upgrade the pump station.

He recommends moving forward with the original design of the project and to work with the lowest responsible bidder to determine what cost savings can be realized through modifications to the original design.

**OPERATIONS/
MAINTENANCE
MATTERS**

Hand Held Data Collection Device: Mr. Ward presented additional information regarding the Trimble R1 handheld unit. The total cost to purchase the handheld unit, rod and pole mount, annual fee for mapping network and extended warranty is \$3,051.85.

In addition, Mr. Ward presented a field collection application offered by Tamarack Consulting, LLC that will allow staff/Board to field collect data directly into the GIS system. The cost for this service is \$50 per month.

Following discussion, upon motion duly made by Director Wyckoff, seconded by Director Lozano and, upon vote, unanimously carried, the Board approved the purchase of the Trimble R1 unit and the field collection application as outlined above.

Independent Contractor Agreement and First Addendum with Timber Line Electric and Control Corp.: Ms. Johnson presented an Independent Contractor Agreement for General Electrician Services and First Addendum to the Agreement with Timber Line Electric and Control Corp.

Following discussion, upon motion duly made by Director Wyckoff, seconded by Director Rogers and, upon vote, unanimously carried, the Board approved an Independent Contractor Agreement for General Electrician Services and First Addendum to the Agreement with Timber Line Electric and Control Corp.

LEGAL MATTERS

Legal Matters: There were no legal matters to discuss.

OTHER BUSINESS

Review of District Website: Ms. Johnson informed the Board that she recently received communication from Director Fleck regarding potential revisions to the District's website. She asked the Board to review the website regarding Director Fleck's request for revisions as well as further revisions and send suggested revisions and comments to her via email.

RECORD OF PROCEEDINGS

Hayesmount Estates Development: Ms. Johnson provided a summary to the Board of the discussions during a recent meeting with Director Wyckoff, Attorney Tanaka, Mr. Simons, the potential buyer of the Hayesmount Estates property and her regarding water service to the property. Mr. Simons discussed his recommendation for connecting the property to the District's facilities.

Attorney Tanaka discussed the requirement in the current Inclusion Agreement related to pre-payment and payment of System Development Fees ("SDF's"). She and Ms. Johnson recommend amending the inclusion agreement to allow for the SDF's to be paid pursuant to the current Rules and Regulations.

The Board discussed service to the property and fees in detail.

Following discussion, upon motion duly made by Director Wyckoff, seconded by Director Lozano and, upon vote, unanimously carried, the Board approved an amendment to the Inclusion Agreement to allow SDF's to be paid pursuant to the current Rules and Regulations, subject to the closing of the pending sale.

**COMMUNITY
COMMENTS
ADJOURNMENT**

Community Comments: There were no community comments.

There being no further business to come before the Board at this time, upon motion duly made, seconded and, upon vote, unanimously carried, the meeting was adjourned.

Respectfully submitted,

By _____

Secretary for the Meeting

RECORD OF PROCEEDINGS

THESE MINUTES APPROVED AS THE OFFICIAL JUNE 7, 2016 MINUTES
OF THE GREATROCK NORTH WATER AND SANITATION DISTRICT BY
THE BOARD OF DIRECTORS SIGNING BELOW:

Robert William Fleck

Jeffrey L. Polliard

Brian K. Rogers

John D. Wyckoff

Dave Lozano



Date: May 31, 2016
To: Greatrock North Water and Sanitation District, Board of Directors
From: Lisa A. Johnson, District Manager
Re: June 7, 2016 Manager's Report

Agenda Action Items

II.A. Consent Agenda

1. Review and approve the Minutes of the April 28, 2016 special meeting.
2. Ratify the approval of the claims for May 2016.
3. Operations and Maintenance update, monthly work orders and RO service report.
4. Review monthly water quality report.
5. Review monthly water meter installations.
6. Accept unaudited financial statements and cash position for the period ending April 30, 2016.

I recommend approval of the consent agenda items.

III.A. Xpress Bill Pay Update

Xpress Bill Pay is up and running. Three customers have already requested paperless billing and seven customers have paid online. Enclosed in the board packet is a flyer explaining the service that I would like to include in the June bills.

III.B. 2015 Audit

Neil Schilling will attend the meeting and present the 2015 audit.

I recommend acceptance of the 2015 audit and execution of the management representation letter.

VI.A. Hand Held Data Collection Device

Taylor Ward with Tamarack Consulting, LLC will attend the meeting to discuss this agenda item.

Review of monthly Water Resumes and Other Water Related Matters

Attorney Poznanovic reviewed the May resume, and did not find any cases that he thinks the District would have an interest in opposing.

Summary of Mid-Month Meeting

Directors Fleck and Wyckoff, Mr. Simons and I did not meet for a mid-month meeting in May.



Ramey Environmental Compliance, Inc.
Management and Operation Solutions for
Water and Wastewater Treatment
303-833-5505

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www.RECinc.net

**Greatrock North W & S District
Monthly Activities
April 20th – May 25th**

4/20/16: (1.35hrs) Regular checks and readings.

4/22/16: (2.57hrs) Regular checks and readings.

4/25/16: (2.08hrs) Regular checks and readings. Primed the anitscalant pump.

4/27/16: (3.2hrs) Regular checks and readings. Completed locates at: 16275 Del Ray Ct and 29365 E 160th Ct. Completed a water service line inspection at: 16245 Queensview St.

4/29/16: (3.25hrs) Regular checks and readings. Checked fuel and oil in all generators. Greased motors at Greatrock and Rocking Horse Farms. Checked the drawings for flowmeter bypass line at Rocking Horse Farms. Decreased the RO run time to 240 minutes. Completed locates at: 16275 Del Ray Ct and 29850 E 167th Pl.

5/2/16: (2.17hrs) Regular checks and readings.

5/4/16: (2.73hrs) Regular checks and readings. Completed locates at: 16275 Del Ray Ct and 16245 Queensview St.

5/6/16: (3.18hrs) Regular checks and readings. Checked the fuel and oil levels in all of the generators. Collected and delivered samples for TDS and Total Hardness.

5/9/16: (2.57hrs) Regular checks and readings. Collected and delivered monthly samples.

5/11/16: (2.85hrs) Regular checks and readings. Completed a locate at 31350 E 160th Ct.

5/13/16: (3.63hrs) Onsite at 5:45am to start alluvial #2. At 6am flow total = 207451 and stop total at 12:30pm = 207513. Regular checks and readings. Completed a locate at 31335 E 162nd Ave.

5/16/16: (2.42hrs) Regular checks and readings. Replaced the pump tubing on the chlorine pump. Completed a locate at 16311 Timber Cove St.

5/18/16: (4.68hrs) Regular checks and readings. Collected and delivered the EDOP samples.

5/20/16: (3.97hrs) Regular checks and readings. Completed a water line inspection at 31350 E 160th Ave. Completed a locate at 28500 E 160th Ave.

5/23/16: (1.85hrs) Regular checks and readings.

5/25/16: (3.5hrs) Regular checks and readings. Cleaned the Greatrock North building floors. Booster pump #1 and #2 making noise at Boxelder. Contacted Ramey Equipment Services division to investigate. They making a visit and will be looking into the noise in the near future.

April 18th – May 25th

RO Run Time Hrs	167.90 hrs
RO Concentrate Flow – 1 pond (North)	292,146 gallons

4/22/16

Monthly Testing	TDS(mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Total Hardness(mg/L)
BE	255	17.6	3.1	56.7
RHF	272	19.6	3.5	63.4
GRN	272	19.6	3.3	62.6

5/6/16

Monthly Testing	TDS(mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Total Hardness(mg/L)
BE	336	32.8	6.0	106.6
RHF	271	22.1	3.7	70.5
GRN	288	22.8	3.9	72.8

Completed Work Order List Report

5/26/2016

Page 1 of 1

Completed	Equipment Number	Task	Priority	WO#	Type
5/18/2016	South Concentrate Pond	EDOP Sampling	1	642.01	Scheduled
5/18/2016	North Concentrate Pond	EDOP Sampling	1	641.01	Scheduled
5/18/2016	ALV-2 Well	EDOP Sampling	1	640.01	Scheduled
5/16/2016	GN BP1 VFD	Annual Pump Inspection	3	671.04	Scheduled
5/16/2016	GN Booster Pump 3	Annual Pump Inspection	3	671.03	Scheduled
5/16/2016	GN Booster pump 2	Annual Pump Inspection	3	671.02	Scheduled
5/16/2016	GN Booster pump 1	Annual Pump Inspection	3	671.01	Scheduled
5/13/2016	ALV-1 Well	EDOP Sampling	1	639.01	Scheduled
5/9/2016	Water Sampling	Bacti Bacti Sampling(069)	1	679.01	Scheduled
5/6/2016	RHF Generator	Ck Oil Check Oil Level(069)	5	677.01	Scheduled
5/6/2016	RHF Generator	Ck Fuel Check Fuel Level	5	676.01	Scheduled
5/6/2016	RHF Building	TDS and Hardness	1	678.02	Scheduled
5/6/2016	GRN Pump Building	TDS and Hardness	1	678.03	Scheduled
5/6/2016	GN Generator	Ck Oil Check Oil Level(069)	5	670.01	Scheduled
5/6/2016	GN Generator	Ck Fuel Check Fuel Level	5	669.01	Scheduled
5/6/2016	Boxelder Pump Buildi	TDS and Hardness	1	678.01	Scheduled
5/6/2016	BOX Generator	Ck Oil Check Oil Level(069)	5	668.01	Scheduled
5/6/2016	BOX Generator	Ck Fuel Check Fuel Level	5	667.01	Scheduled
4/29/2016	RHF Generator	Ck Fuel Check Fuel Level	5	660.01	Scheduled
4/29/2016	RHF fire pump	grease grease pump motor	1	659.01	Scheduled
4/29/2016	RHF BP2 motor	grease grease pump motor	1	657.01	Scheduled
4/29/2016	GN Generator	Ck Fuel Check Fuel Level	5	656.01	Scheduled
4/29/2016	GN Booster Pump 3	grease grease pump motor	1	655.01	Scheduled
4/29/2016	GN Booster pump 2	grease grease pump motor	1	654.01	Scheduled
4/29/2016	GN Booster pump 1	grease grease pump motor	1	653.01	Scheduled
4/29/2016	BOX RO system	Send Pictures	2	638.01	Scheduled
4/29/2016	BOX Generator	Ck Fuel Check Fuel Level	5	652.01	Scheduled
4/29/2016	BOX BP3 VFD	Clean Eqp Clean Equipment	5	650.01	Scheduled
4/29/2016	BOX BP2 VFD	Clean Eqp Clean Equipment	5	648.01	Scheduled
4/29/2016	BOX BP1 VFD	Clean Eqp Clean Equipment	5	645.01	Scheduled
4/22/2016	RHF Building	TDS and Hardness	1	643.02	Scheduled
4/22/2016	Boxelder Pump Buildi	TDS and Hardness	1	643.01	Scheduled
4/18/2016	Water Sampling	Bacti Bacti Sampling(069).	1	661.01	Scheduled

**GREATROCK NORTH WATER AND SANITATION DISTRICT
ENGINEER'S REPORT
MAY 31, 2016**

Greatrock North Pump Station Improvements

I will discuss the pump station improvements and alternatives at the June Board meeting.

Concentrate Management

The maximum daily run time for the reverse osmosis unit was reduced to 240 minutes on April 29, 2016. The table below summarizes certain components of the water system operations.

Date	To BECR Tanks (gallons)	Pond Level (feet)
04/29/16	53,685	3.69
05/15/16	110,203	3.70
05/30/16	171,235	3.77

As evident, our daily production is increasing, as expected for this time of year. Although the RO run time has been reduced, the spring precipitation has impacted our pond level. We will continue to monitor both.

Water Quality and Hardness

Below are tables summarizing the water production data, water quality results, and water treatment plant observations.

Month	RO Permeate	Unfiltered UKA Water	Unfiltered ALV Wells
May	26%	36%	38%
April (04/19/16)	53%	37%	10%
March 03/31/16)	51%	38%	11%
February (02/22/16)	37%	38%	25%
January (01/20/16)	42%	38%	20%
December (12/14/15)	51%	38%	11%
November (11/21/15)	52%	38%	10%
October (10/25/15)	25%	36%	39%
September (09/20/15)	17%	34%	49%
August (08/24/15)	10%	33%	57%
July (07/19/15)	17%	35%	48%
June (06/28/15)	23%	37%	40%
May (05/25/15)	39%	42%	19%

LAMP RYNEARSON COMPANIES



Engineer's Report
May 31, 2016

The total hardness results tabulated below generally reflect a moderately hard water as of May 6, 2016.

Total Hardness (as CaCO₃)			
Date	BECR Tanks	RHF Tank	GN Tank
05/06/16	106.6 mg/l	70.5 mg/l	72.8 mg/l
04/22/16	56.7 mg/l	63.4 mg/l	62.6 mg/l
03/09/16	68.3 mg/l	92.2 mg/l	92.8 mg/l
02/10/16	134.8 mg/l	88.9 mg/l	97.1 mg/l
01/11/16	49.7 mg/l	55.4 mg/l	67.0 mg/l
12/14/15	45.9 mg/l	63.3 mg/l	52.0 mg/l
11/09/15	63.5 mg/l	103.3 mg/l	82.0 mg/l
10/14/15	134.1 mg/l	117.2 mg/l	118.7 mg/l
09/09/15	152.6 mg/l	164.3 mg/l	158.4 mg/l
08/19/15	159.1 mg/l	175.6 mg/l	173.1 mg/l
07/10/15	136.2 mg/l	158.8 mg/l	156.5 mg/l
06/11/15	92.0 mg/l	78.0 mg/l	80.1 mg/l
05/11/15	84.8 mg/l	72.6 mg/l	73.9 mg/l
04/13/15	99.6 mg/l	67.7 mg/l	68.6 mg/l
March 2015	53.7 mg/l	68.3 mg/l	59.1 mg/l
02/02/15	83.4 mg/l	113.8 mg/l	104.6 mg/l
01/14/15	105.2 mg/l	123.0 mg/l	111.7 mg/l
12/03/14	115.3 mg/l	194.5 mg/l	169.8 mg/l
10/01/14	188.8 mg/l	231.7 mg/l	225.6 mg/l
07/11/14	221.5 mg/l	222.7 mg/l	220.4 mg/l
05/16/14	165.2 mg/l	209.6 mg/l	198.1 mg/l

For comparison, hardness values are generally classified as:

Classification	Mg/l
Soft	0 – 60
Moderately hard	61 – 120
Hard	121 – 180
Very hard	GTE 181

Engineer's Report
May 31, 2016

Total Dissolved Solids (TDS)			
Date	BECR Tanks	RHF Tank	GN Tank
05/06/16	336 mg/l	271 mg/l	288 mg/l
04/22/16	255 mg/l	272 mg/l	272 mg/l
03/09/16	289 mg/l	313 mg/l	321 mg/l
02/10/16	422 mg/l	324 mg/l	337 mg/l
01/11/16	278 mg/l	266 mg/l	243 mg/l
12/14/15	247 mg/l	290 mg/l	276 mg/l
11/09/15	275 mg/l	346 mg/l	320 mg/l
10/14/15	414 mg/l	406 mg/l	385 mg/l
09/09/15	470 mg/l	471 mg/l	495 mg/l
08/19/15	469 mg/l	500 mg/l	482 mg/l
07/10/15	417 mg/l	449 mg/l	468 mg/l
06/11/15	369 mg/l	350 mg/l	341 mg/l
05/11/15	401 mg/l	347 mg/l	366 mg/l
04/13/15	386 mg/l	326 mg/l	322 mg/l
March 2015	274 mg/l	324 mg/l	302 mg/l
02/02/15	350 mg/l	394 mg/l	383 mg/l
01/14/15	350 mg/l	394 mg/l	417 mg/l
12/03/14	417 mg/l	552 mg/l	511 mg/l
10/01/14	538 mg/l	603 mg/l	594 mg/l
07/11/14	565 mg/l	597 mg/l	599 mg/l
03/05/14	586 mg/l	543 mg/l	566 mg/l
01/08/14	553 mg/l	559 mg/l	575 mg/l
10/28/13	677 mg/l	643 mg/l	594 mg/l

I will issue water quality graphs in advance of the June 7 Board meeting.

Other Activities

Altela, Inc. – No update.

Utility Billings and Energy Costs – TZA is tracking the United Power utility bills and associated water operations on a monthly basis. Below are the annual comparisons for each year.

	2012	2013	2014	2015
Annual KWH	693,583	520,026	333,629	366,737
Annual Billings	\$74,040.05	\$43,316.56	\$28,204.49	\$31,044.16
Average \$/KWH	\$0.10675	\$0.08330	\$0.08454	\$0.08465

- The Rocking Horse Farms pumps were replaced on August 13, 2013
- The Box Elder Creek Ranch pumps were replaced on March 13, 2014

I will issue a 2016 update in advance of the June 7 Board meeting.

Engineer's Report
May 31, 2016

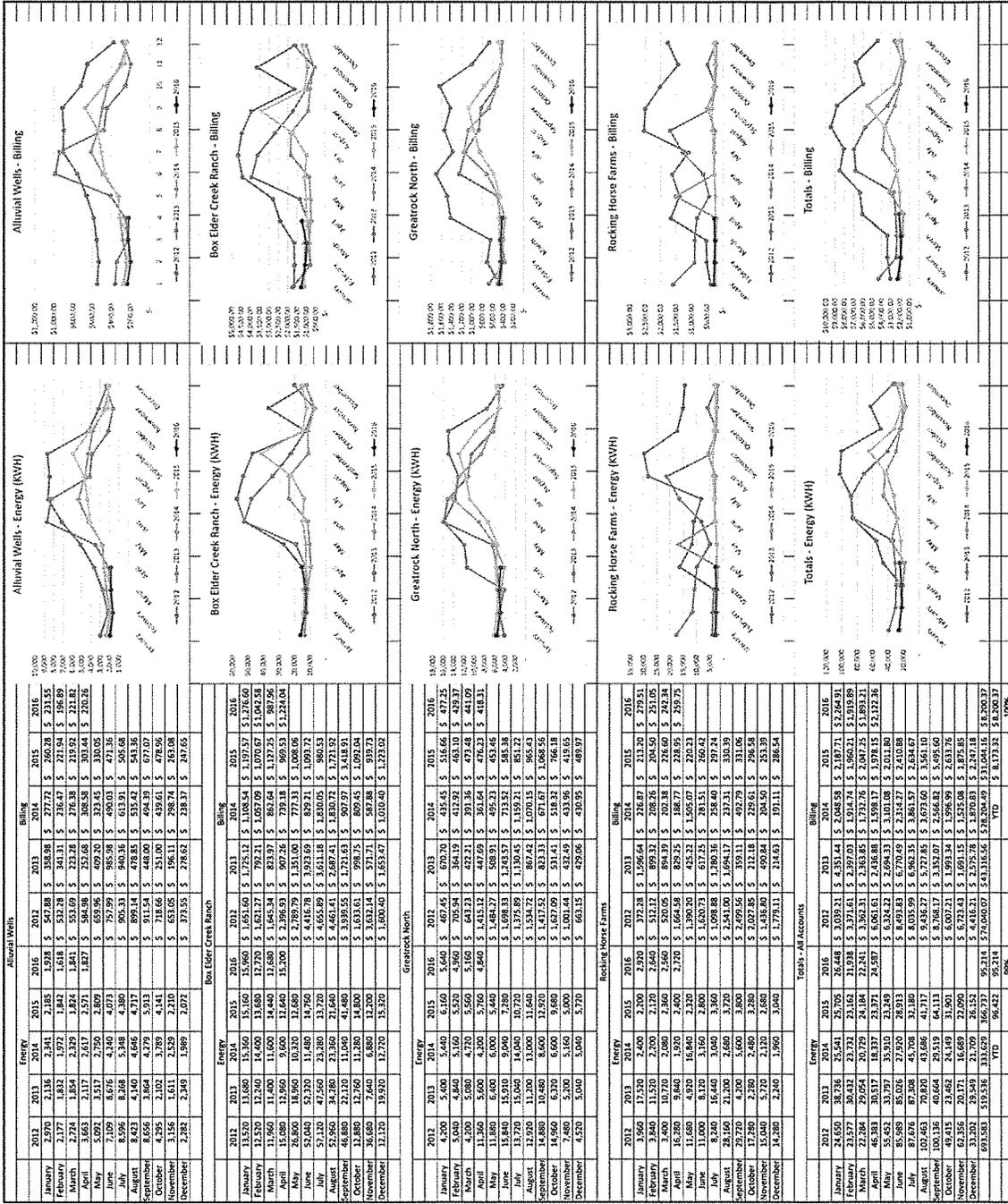
Warranty Inspections – Here is a summary of independent contractor projects:

- Rocking Horse Farms Pump Station – The warranty inspection was conducted by Jeff Rabas on July 18, 2014.
- Box Elder Creek Ranch Pump Station – The warranty inspection was conducted by Brad Simons on January 26, 2015.
- Rocking Horse Farms Tank Repainting – The improvements were inspected and accepted on June 11, 2014. A preliminary warranty inspection was conducted by Ramey Environmental Compliance on April 24, 2015 and Coblaco addressed some minor surface rust and some isolated coating repairs on August 5, 2015. Ramey Environmental Compliance informed TZA of some coating issues on the tank roof and Coblaco inspected the conditions on March 30, 2016. We are awaiting a plan from Coblaco.

Control Valves Evaluation – TZA transmitted information on a set of control valves at the Box Elder Creek Ranch pump station to iSiWest and REC's Equipment Services Division on March 29, 2016, and requested a service quote. To date, iSiWest has provided a cost proposal and I am awaiting REC's quotation.

Well, Pump, and Motor Replacements – The District has initiated efforts to better understand its well infrastructure and the potential need for replacement of pumps and motors, as well as the well structures themselves. As a part of that effort, TZA Water Engineers will need to work with Bishop-Brogden Associates to compile the historical aspects of the wells constructed, the pumps installed, and any other improvements (i.e. water level measuring devices) integrated at each site. This information will be used to evaluate the benefits of a pump, motor, and well maintenance program to detect changes in well performance. Early detection of deterioration in well performance will allow less expensive repairs, rehabilitation, or treatment procedures in order to maximize production capacity. This preventative maintenance program will be discussed with the District's Manager, and a formal proposal will be brought to the Board if deemed appropriate.

GREATCROCK NORTH WATER AND SANITATION DISTRICT





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**Greatrock North W & S District
Monthly Activities
May 27th – June 22nd**

5/26/16: Completed a locate at 28450 E 163rd Pl.

5/27/16: (1.53hrs) Regular checks and readings. Completed a locate at 30185 E 166th Ave.

5/30/16: (1.73hrs) Regular checks and readings.

6/1/16: (2.97hrs) Regular checks and readings. Closed the curb stop at 31350 E 160th Ct. Collected and delivered TDS and hardness samples for all well houses.

6/2/16: Completed a locate at 31645 E 162nd Ave.

6/3/16: (1.95hrs) Regular checks and readings.

6/6/16: (1.70hrs) Regular checks and readings.

6/8/16: (3.87hrs) Regular checks and readings. Replaced the chlorine pump valves, lines and fittings. Completed locates at: 30265 E 166th Ave and 31380 E 162nd Ave.

6/10/16: (2.20hrs) Regular checks and readings. Completed a locate at 31393 163rd Ave.

6/13/16: (1.25hrs) Regular checks and readings.

6/14/16: Completed a locate for 16350 Timber Cove St.

6/15/16: (0.93hrs) Regular checks and readings.

6/16/16: Completed a locate at 28567 E 163rd Pl.

6/17/16: (4.02hrs) Regular checks and readings. Completed locates at 16675 Tree Haven St, 30056 E 166th Ave, 30044 E 165th Ave and 28925 E 160th Pl.

6/20/16: (2.70hrs) Regular checks and readings. Collected and delivered monthly samples. Rebooted the flow meters and R.O.'s.

6/22/16: (2.73hrs) Regular checks and readings. Completed a water service line inspection at 16190 Rayburn St. Flushed the hydrant on Kenuil Court. Exercised the valves at Greatrock North.

6/24/16: (2.78hrs) Regular checks and readings. Completed a water service line inspection at 16285 Queensview St.

May 27th – June 22nd

RO Run Time Hrs	108 hrs
RO Concentrate Flow – 1 pond (North)	194,400 gallons

6/1/16

Monthly Testing	TDS(mg/L)	Calcium (mg/L)	Magnesium (mg/L)	Total Hardness(mg/L)
BE	521	57.1	11.6	190.4
RHF	477	49.6	10.0	165.0
GRN	460	52.0	10.1	171.6

Greatrock North WSD
Water Quality Calls 2010 - 2012

Date	Complaint	Name	Address	Phone	Subd	Action Taken	Notes
02/08/10	Fluoride	Greer, Sherry	16385 Jalna Ct	303-637-9200	RHF	Discussion and forward lab results	
03/22/10	Brown water	Lloyd	16588 Joppa Ct.		RHF	Flush on 3/22	
04/02/10	Bad Hot Water Tank		16460 Tree Haven		BOX	Discussed with Rob Fleck	
04/26/10	Gray water turning whites gray, smelly	Roppo, Mary	16715 Shadowwood Ct	303-659-4688	BOX	Discussed with homeowner; flush on 4/28	
05/07/10	Brown water	Randall	16481 Tree Haven St.	303-667-7222	BOX	Asked him to run water for a few minutes to see if it would clear	
05/12/10	Brown water	Arnold, Brian	16530 Treehaven	303-655-8121	BOX	Flush on 5/12	
05/18/10	Brown water	Lovato	31305 E. 166th Ave.	303-659-2616	BOX	Flush on 5/18	
05/29/10	Murky water; musky smell	Paustian, Corinne	16555 Umpire Ct	303-655-1954	BOX	Asked her to run water for a few minutes to see if it would clear	
06/04/10	Brown water	Dahlin	16181 Rayburn St.	303-655-1289	BOX	Flush on 6/4	
06/04/10	Brown water	Obrechot, Ted	16651 Treehaven	303-659-1914	BOX	Flush on 6/4	
07/10/10	Brown water	Montoya, Jeff	31450 E 167th Ave	303-655-0606	BOX	Flush on 7/12	
07/15/10	Brown water	Cheserinnick	32285 E. 166th Ct.	303-637-0079	BOX	Flush on 7/16	
07/23/10	Brown water	Frank	16261 Timber Cove St.		BOX	Flush on 7/26	
08/03/10	Brown water	Leonard, Travis	16720 Kenuil Ct.	303-655-3744	RHF	Flush on 8/3	
08/03/10	Brown water	Zaiss, Brian	31351 E 167th	303-710-0193	BOX	Flush on 8/3	
08/10/10	Brown water	Fleck, Rob	16460 Tree Haven St	via email	BOX	Flush on 8/10	Also 2 neighbors
08/12/10	Milky then brown water	Watt	29365 E. 160th Ct.	303-6551757	GN	Flush on 8/12	Caused by system losing pressure
08/13/10	Brown water	Campbell, Robert	28355 E. 160th Ave.	303-655-0148	GN	Flush on 8/13	Caused by system losing pressure
8/17/10	Brown water	Fleck, Rob	16460 Tree Haven St	via email	BOX	Waiting for controlled flush with Olsson	Also 1 neighbor
9/14/10						FLUSH ALL OF BOX ELDER CREEK SUBD.	
9/15/10	Brown water	Gerry	16290 Greatrock Way	303-325-6894	GN	Called customer	Water was not brown anymore
9/20/10	Brown water	Moore, Ken	16480 Timber Cove	720-685-7167	BOX	flush lines and met with customer	
10/4/10	Tea colored	Moore, Ken	16480 Timber Cove	303-906-1355	BOX	Flush on 10/4	
10/12/10	Reddish Brown	Moore, Denise	16480 Timber Cove		BOX	Inspection by Brad Simons - see Olsson memo 16480 timbercove 10-12-10.xls	
10/21/10	particles in water	Dahlberg, Julie	16600 Umpire Ct.	303-498-0419	BOX	flush on 10/21/10	
11/5/10	bad taste	Jimison, Robert	16580 Umpire St.	Stopped Katie reading meters	BOX	explained RO just went back online	Wanted to bring a jug to the District and make us drink it. Asked when are we getting our good water back? Didn't notice brown water
11/5/10	bad taste	Howes, Angie	16141 Rayburn St.	Stopped Katie reading meters	BOX	explained RO just went back online	Katie tasted seemed fine. Also asked when they were getting their good water back? Didn't notice brown water
12/8/10	Water filter turns brown very quickly	Curl, Jo Ann	29430 E 160th Ct	303-654-0132	GN	Discussed status of water looping project and present blending of RO and well water	Recent fire flows could have stirred up main lines
1/5/11	Update	Leonard, Travis	16720 Kenuil Ct.	303-655-3744	RHF		Katie saw Travis while reading the meters. Travis said "Thanks, the water has been good lately"
2/17/11	Update	Leonard, Travis	16720 Kenuil Ct.	303-655-3744	RHF	Flushed this date; water was clear	
2/19/11	Update	Williams, Ken	32505 E 167 Dr	303-637-0708	BOX		While responding to a call about a leak; Ken said the water has been good, no more "blue water"
2/21/11	Brown water	Moore, Ken	16480 Timber Cove	303-906-1355	BOX	Flush fire hydrants one South of address and one North of address on 2/22/11	Says filters are still plugging every month; if he bypasses it plugs the refrig filter
2/21/11	Lt Brown Water	Allain, Kimberly	16321 Timber Cove	303-637-9886	BOX	Flush Timber Cove & Umpire St. fire hydrant and the Timber Cove cul-de-sac blowoff on 2/22/11	Still slight yellow color in water; not as bad as before; mostly from hot water; told her she might want to drain the hot water tank
2/21/11	Brown water	Ross, Don	29957 E 166th Place	720-685-0905	RHF	Flush on 2/22/11	Water still brown, hasn't seen much improvement
2/22/11	Light brown water	Dahlin, Mathew	16181 Rayburn St.	303-655-1289	BOX	Flush on 2/22/11	Water has been good since last flush on 6/4/10
2/23/11	Blue staining in cup	Fleck, Rob	16460 Tree Haven St	via email	BOX	Langelier Index sample to lab on 2/23/11	Began adding Calciquest (Re: blue water) on 3/10/11
2/23/11	Much better, running clear	Ross, Don	29957 E 166th Place	720-685-0905	RHF	Flush on 2/22/11	Don called back to thank us; said the water was clear this AM
3/12/11	Lt Brown Water	Tario, Alma	16655 Strollway St	303-637-0121	BOX	Flushed on 3/14/11	FH at Strollway and 168th ran cloudy for 62 minutes at around 300 gpm
3/14/11	Brown water	Eberle, Doug	16640 Strollway St	303-659-3733	BOX	Flushed on 3/14/11	The water used to be great; now it's getting worse and worse; not happy. Never seen it this bad
3/15/11	Brown water	Best, Dan	16785 Red Lane	303-748-1800	BOX	Flushed on 3/15/11	It's been bad all week
5/9/11	Horrible Taste	Fleck, Rob	16460 Tree Haven St	via Brad	BOX	No Action	
8/5/11	Ruining his evaporative coolers	Whitley, William	31451 E 167th Ave	303-961-8859	BOX	Discussed changes in blending and % of RO water	
8/5/11	Pleased with water quality	Leonard, Travis	16720 Kenuil Ct.	303-655-3744	RHF		Email to T. Krayenhagen
11/7/11	Water smells musty when first turned on	Snider, Bev	16675 Strollway	303-467-5882	Box	Checking with Engineer	Flushed Fire Hydrant near house; smelled like chlorine; called Bev to let her know we had flushed to see if that helped
11/25/11	Brown water	Moore, Ken	16480 Timber Cove	720-685-7167	BOX	Sent email to Terry K.	

46	2/21/12	high water usage	Neff, Linda	28580 E. 160th Pl	303-654-9860	GN	asked Mike to verify meter pit isn't full of water	2/21/12: Mike went onsite and confirmed the meter pit was dry.
47	3/26/12	Flushed All Hydrants	REC, Inc.	All three subdivisions		BOX, GN, RHF	Will provide Separate Memo	
48	06/20/12	Low PSI and yucky water in filters	Greer, Sherry	16385 Jalna Ct	303-637-9200	RHF	Increased pressure at Rocking Horse Farms Pump station from 60 to 65 psi.	
49	07/20/12	Brown Water	Keith	16685 Keniul Ct	303-915-0918	RHF	Flushed Hydrant next to house	
50	09/15/12	Brown Water	Ted Obrecht	16460 Tree Haven St	303-659-1914	BOX	Flushed Hydrant next to house	
51	01/24/13	Brown Water/odor	Terry Snyder	16675 Stroilway	303-655-1292	BOX	previous day had a water leak/	
52	04/08/13	Low Water Pressure	Debra Brown	16685 Keniul Ct	303-915-0918	RHF	Operator checked outside faucet with pressure gauge and it was showing 70 psi. Operator called and left homeowner a message of his findings.	
53	04/18/13	Low Water Pressure/Brown Water	Several Customers			GRN	Large Fire in the area and Fire Department was pulling water from hydrants creating low and high pressure spikes along with brown water from stirring up the lines. Operator checked out and found no issues upon arrival	
54	05/29/13	Low Water Pressure	Tony	30265 E. 166th Ave	720-352-0290	RHF	Spoke with the Tony and advised him I would increase the pressure at the pump station a couple pounds. Also advised him to double check his pressure reducing valve setpoint.	
55	06/11/13	Low Water Pressure	John and several others	30061 East 163rd Ave.	303-655-8614	RHF	Spoke with the John and advised him we were looking into the issue.	
56	June 19-23	Low Water Pressure	several residents	Rocking Horse Farms		RHF	Working with Timberline on low pressure issues	
57	06/25/13	Brown/smelly Water	Greg Mott	16770 Kenosha Ct		RHF	Flushed Hydrant next to house	
58	07/24/13	Blue/Pink Water	Joe Martinez	16450 Timber Cove St.	303-591-5726	BE	Blue marks are due to leaking faucet and toilet that he has repaired and will keep an eye on	
59	July 25 - August 12	Low Water Pressure	several residents	Rocking Horse Farms		RHF	Working with Timberline on low pressure issues	
60	8/19/2013	Low Water Pressure	Buck Benke	30002 E. 163rd Place		RHF	Mr. Benke is experiencing low water pressure issues. Brad, John, Lisa and Dan met with him and initially determined that he is experiencing a flow issue. Staff continues to research the issue.	
61	8/22/2013	Cloudy water/grit in bowls	Mary Houston	28820 E. 160th Place	303-659-0668	GRN	cloudy dishes, dirt or grit in sinks and toilet bowls, ice leaves white floaty things in drinks. REC staff flushed hydrants in the area on 8/23/13.	
62	9/23/2013	White Spots on canning jars	Karen	28540 E. 162nd Ct	303-558-0063	GRN	Had white spots on canning jars after boiling. Sent Operator over to investigate.	
63	10/10/2013	Spots on dishes	Denise	16480 Timber Cove	720-685-7167	GRN	Had spots on canning jars after boiling. Sent Operator over to speak with owner and flush two hydrants	
64	10/10/2013	Bad tasting water and low pressure	Sharon	16385 Jalna Ct		RHF	Spoke to Shraon and listened to her concerns. Flushed two hydrants near her house.	
65	10/10/2013	Bad tasting water and low pressure	Susan	29145 East 16th Ct	303-659-7857	GRN	Spoke to Susan and listened to her concerns and explained how the RO works and why the water is harder now than in the past.	
66	10/23/2013	Bad tasting water and Water Spots	Kathy	28455 East 162nd Ave	303-655-0061	GRN	Spoke to Kathy and listened to her concerns and explained how the RO works and why the water is harder now than in the past.	
67	12/21/2013	Brown Water	Richard & Kelly	16531 Timber Cove	303-637-7537	BE	Spoke to Kelly who had concerns with some brown water, notified Kelly someone would be out to flush a couple hydrants near her home. This was in the same area as the leak that was repaired 12/20/13. Two hydrants were flushed near home.	
68	12/30/2013	Blue Water Stains	Shela	29000 East 160th	303-637-7537	GRN	Spoke to Kelly who was seeing blue spots on her dishes and toilets. Explained to Shela about how the water is treated and why the water is harder now than in the past. Also gave her the name of a dishwasher cleaner called "Limi Shine" that one other resident stated worked very well to remove these stains.	
69	5/6/2014	Change in Water Quality	Ken Kirwin	28565 E. 162nd Ave		GRN	He has lived in the District for 14 years. In the past year or two he has noticed a significant change in the water quality. He has found much more mineral deposits on his faucets and valves. He has replaced four faucets and six valves in his home in that period of time. The Board explained the history and reason for looping the system and the struggles the District has faced with management of the brine concentrate. Mr. Kirwin thanked the Board for their time and the Board thanked him for sharing his comments. Mr. Kirwin left the meeting at this time.	
70	6/2/2014	Brown Water	John Wycoff	30061 East 163rd Ave.		RHF	Brown water in tub, Operator flushed hydrants in the area on 6/4/14.	
71	6/2/2014	Low Water Pressure	Laura	28410 E. 163rd	303-709-4895	GRN	Customer complained of low water pressure. Operator checked VFD at pump station and also made contact with owner and found pressure was fine and no issues were observed.	
72	7/24/2014	Brown Stuff on filters	Pat McMann	16195 Bently	303-637-0078	GRN	Explained Brown debris on his filters and Lisa explained the RO run time issues.	
73	7/25/2014	Noise from Water Line	Shela	29000 East 160th	303-637-7537	GRN	Hearing a noise coming from her water pipes at 4:00 a.m. Discussed what this could be and to try and pinpoint the noise in the house and call me on Monday to discuss further.	
74	11/13/2014	Mineral Build up and once in awhile brown water out of tub that is not used often	Matt	16181 Rayburn St.	303-489-4876	BE	Has a lot of mineral build up on faucets and once in awhile has brown water out of a tub that's not used much. Explained to Matt about how the water is treated and the history and management of the RO brine. I also suggested matt flush his hot water heater and if he could obtain a sample of the brown water next time this is used we would be happy to come and look at the sample. Matt was interested in a treatment system for his house so I suggested he look up John Wycoff's number from the news letter and discuss what John put in his house. Matt also complained about the water rates and I explained he would need to address that with the District board.	
75	2/10/2015	Sent letter to Board about changes in water over the years	Albert and Linda Johnson	28320 East 163rd Place	303-659-1321	BE	2/10/15 - Left message at 7:40 p.m. Left another message on 2/13. Linda returned my call on 2/13. Explained the situation with not being able to run the RO as much as we would like. Also gave Linda John Wycoff's phone Number to ask about the problem and his whole house filter.	

76	2/23/2015	Water Quality from one end of GRN to the other.	Harvey Houston	16250 Delray Ct.	303-944-7044	GRN	Says the water quality has went down hill the last few years and wanted to know why the water quality is different at his house than his parents on the other end of the neighborhood. He states it's not only his parents but there neighbors as well. Was the water tested at his house and also at his parents house to see the differences. Harvey also wants to know what the District is going to do about the valves in the road and the pavement sinking around them? I explained the RO situation to Mr. Houston like I have done to the others. I told him I could not sample the water as he requested without out discussing with the District Manager first and that goes the same with the valves in the road.
77	3/6/2015	Sulfide Smell in Water	John Wycoff	30061 East 163rd Ave.		RHF	John stated his wife could smell something in the water similar to rotten eggs. Mike Atwood responded right away and could not duplicate the smell.
78	8/4/2015	Low Water Pressure	David Stevens	28425 E. 162nd Qt	720-296-5362	BE	Customer complained of low water pressure to SDMS who passed message on to Ramey. Jeff called and left two messages and never received a call back.
79	10/19/2015	Smelly/Brown Water	Bill & Gayla Dempsey	30164 E 165th Ave.		RHF	Customer complained to John that the water was smelly and brown. John contacted Mike Atwood and they visited the house. Nothing unusual was found but a sample was taken at the request of John and taken to the lab for a water quality test.
80	12/1/2015	Chlorine Smell	Rob Fleck	16460 Tree Haven St		BE	Customer stated the chlorine was more notciable now then in past. Explained to customer chloirne has been normal in system.
16-Mar	low pressure	Chuck	29951 E 163rd Pl	720-933-8558	Greatrock	low pressure issues for approx a month - has changed pressure relief valve twice. Pressure remains at 60psi and drops to barely a trickle.	
21-Apr	Blue Ring in Tiolet	Steve Cheresnick	32285 E 166th Ct.	303-601-8451	BE	I received a call from Steve Cheresnick 303-601-8451 about a blue ring forming on his new toilets that were recently installed. Steve lives at 32285 E 166 th Ct. I spoke with Steve who asked about what chemicals were in the water and answered those for him. He claims he does not have a water softener. Sent off to Lisa and how she wanted to proceed. SDMS contacted the owner and consider this resolved.	

Greatrock Meter Install/Replacements

<u>Address</u>	<u>Date</u>	<u>Reason why meter was replaced</u>
31485 E. 162nd Ave	10/29/15	new install
16355 Queensview Street	11/04/15	new install
16290 Queensview Street	11/24/15	new install
16580 Timber Cove Street	12/10/15	faulty transmitter
31310 E. 164th Avenue	12/11/15	new install
29757 E. 166th Place	12/29/15	meter leaking from the bottom
28315 E. 163rd Place	01/29/16	high reading, bench tested good, customer requested
16250 Bentley Street	03/08/16	faulty transmitter, transmitter and meter had different readings
16380 Queensview Street	03/11/16	new install
29951 E. 163rd Place	03/21/16	low pressure at residence, replacement requested by DM
16245 Queensview Street	05/26/16	new install
31350 E. 160th Court	06/02/16	new install
16190 Rayburn Street	06/23/16	new install

GREATROCK NORTH WATER AND SANITATION DISTRICT
 Schedule of Cash Position
 May 31, 2016

	<u>Rate</u>	<u>Operating</u>	<u>Debt Service</u>	<u>Capital Projects</u>	<u>Total</u>
Checking:					
FirstBank		\$ 59,705.24	\$ -	\$ -	\$ 59,705.24
Investments:					
FirstBank Lockbox	0.10%	271,754.25	9,274.41	320,510.39	600,942.41
Xpress Deposit Account		596.64			596.64
Colotrust - Plus	0.57%	1,035,813.99	23,741.80	-	1,059,555.79
Colotrust - Bond Fund	0.57%	-	0.14	-	0.14
Colotrust - Project Fund	0.57%	-	-	0.07	0.07
Total Funds		<u>\$ 1,367,870.12</u>	<u>\$ 33,016.35</u>	<u>\$ 320,510.46</u>	<u>\$ 1,720,800.29</u>

2016 Mill Levy Information:

Certified General Fund Mill Levy	28.340
Certified Debt Service Fund Mill Levy	<u>18.500</u>
Total Certified Mill Levy	<u>46.840</u>

Debt Service Mill Levy Cap per Bond Indenture: unlimited

Board of Directors:

John Wyckoff	*
Jeffrey Polliard	*
Brian Rogers	*
Dave Lozano	*
Robert Fleck	*
Lisa Johnson	**

* Board member is an authorized signer on the checking account.

** District Manager is an authorized signer on the checking account.

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GREATROCK NORTH WATER AND SANITATION DISTRICT

FINANCIAL STATEMENTS

May 31, 2016

GREATROCK NORTH WATER AND SANITATION DISTRICT
 COMBINED BALANCE SHEET - ALL FUND TYPES AND ACCOUNT GROUPS
 May 31, 2016

	GENERAL	DEBT SERVICE	CAPITAL PROJECTS	FIXED ASSETS	LONG-TERM DEBT	TOTAL MEMO ONLY
Assets						
FirstBank Checking Account	\$ 59,705.24	\$ -	\$ -	\$ -	\$ -	\$ 59,705.24
First Bank Lockbox	271,157.61	9,274.41	320,510.39	-	-	600,942.41
Xpress Deposit Account	596.64	-	-	-	-	596.64
Cash in Bank-ColoTrust	1,035,813.99	23,741.80	-	-	-	1,059,555.79
Cash with County Treasurer	-	-	-	-	-	-
ColoTrust - Bond Fund	-	0.14	-	-	-	0.14
ColoTrust-Capital	-	-	0.07	-	-	0.07
Accounts Receivable-Other	42,397.09	-	-	-	-	42,397.09
Prepaid Expense	-	-	-	-	-	-
Property Taxes Receivable	157,744.89	102,974.02	-	-	-	260,718.91
	-	-	-	-	-	-
Total Current Assets	<u>1,567,415.46</u>	<u>135,990.37</u>	<u>320,510.46</u>	<u>-</u>	<u>-</u>	<u>2,023,916.29</u>
Other Debits						
Amount in Debt Service Fund	-	-	-	-	33,016.35	33,016.35
Bond Issue Costs, Net	-	-	-	-	248,510.77	248,510.77
Amount to be Provided for Debt	-	-	-	-	4,891,606.22	4,891,606.22
	-	-	-	-	-	-
Total Other Debits	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>5,173,133.34</u>	<u>5,173,133.34</u>
Capital Assets						
Water Distribution System	-	-	-	8,843,642.96	-	8,843,642.96
Land	-	-	-	94,243.05	-	94,243.05
Water Rights	-	-	-	980,105.19	-	980,105.19
Easements	-	-	-	152,989.42	-	152,989.42
Construction in Progress	-	-	-	4,207.50	-	4,207.50
Accumulated Depreciation	-	-	-	(2,119,840.99)	-	(2,119,840.99)
	-	-	-	-	-	-
Total Capital Assets	<u>-</u>	<u>-</u>	<u>-</u>	<u>7,955,347.13</u>	<u>-</u>	<u>7,955,347.13</u>
Total Assets	<u>\$ 1,567,415.46</u>	<u>\$ 135,990.37</u>	<u>\$ 320,510.46</u>	<u>\$ 7,955,347.13</u>	<u>\$ 5,173,133.34</u>	<u>\$ 15,152,396.76</u>
Liabilities						
Accounts Payable	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Payroll Taxes Payable	-	-	-	-	-	-
Retainage Payable	-	-	-	-	-	-
Due to Other Funds	-	-	-	-	-	-
Deposit-Refundable Water Meter	850.00	-	-	-	-	850.00
Accrued interest payable	-	-	-	-	20,302.83	20,302.83
Bond Premium	-	-	-	-	80,025.74	80,025.74
Bonds Payable-Series 2007	-	-	-	-	3,105,000.00	3,105,000.00
Bonds Payable-Series 2010	-	-	-	-	2,125,000.00	2,125,000.00
Discount, Net	-	-	-	-	(7,128.74)	(7,128.74)
Deferred Loss, Refunding	-	-	-	-	(150,066.49)	(150,066.49)
	-	-	-	-	-	-
Total Liabilities	<u>850.00</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>5,173,133.34</u>	<u>5,173,983.34</u>
Deferred Inflows of Resources						
Due to Developer	-	-	-	-	-	-
Deferred Property Taxes	157,744.89	102,974.02	-	-	-	260,718.91
	-	-	-	-	-	-
Total Deferred Inflows of Resources	<u>157,744.89</u>	<u>102,974.02</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>260,718.91</u>
Fund Balance						
Investment in Fixed Assets	-	-	-	7,955,347.13	-	7,955,347.13
	-	-	-	-	-	-
Fund Balance	1,178,993.62	11,503.79	322,116.63	-	-	1,512,614.04
Current Year Earnings	229,826.95	21,512.56	(1,606.17)	-	-	249,733.34
	-	-	-	-	-	-
Total fund balances	<u>1,408,820.57</u>	<u>33,016.35</u>	<u>320,510.46</u>	<u>-</u>	<u>-</u>	<u>9,717,694.51</u>
Total Liabilities, Deferred Inflows of Resources and Fund Balance	<u>\$ 1,567,415.46</u>	<u>\$ 135,990.37</u>	<u>\$ 320,510.46</u>	<u>\$ 7,955,347.13</u>	<u>\$ 5,173,133.34</u>	<u>\$ 15,152,396.76</u>

GREATROCK NORTH WATER AND SANITATION DISTRICT
Statement of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the 5 Months Ending,
May 31, 2016

Acct No	Account Description	Period Actual	YTD Actual	Budget	Under/(Over) Budget	% of Budget
Revenues						
1510	Property Tax Revenue	28,777.26	199,780.11	357,525.00	157,744.89	55.9%
1515	Specific Ownership Taxes	2,434.66	9,547.79	25,027.00	15,479.21	38.1%
1525	Service Charges-Greatrock	9,829.84	49,460.15	151,031.00	101,570.85	32.7%
1526	Service Charges-Rocking Horse	7,645.55	35,049.22	107,530.00	72,480.78	32.6%
1527	Service Charges-Box Elder	12,774.55	64,048.95	152,318.00	88,269.05	42.0%
1530	Inspection Fees	-	2,434.00	-	(2,434.00)	0.0%
1560	Interest Income	517.77	2,170.72	1,500.00	(670.72)	144.7%
1580	Other Income	100.00	1,685.96	-	(1,685.96)	0.0%
1581	Box Elder-Wtr Lease Irrigation	-	7,500.00	7,500.00	-	100.0%
Total Revenues		62,079.63	371,676.90	802,431.00	430,754.10	46.3%
Expenditures						
Administration						
1612	Accounting	992.40	5,280.00	23,220.00	17,940.00	22.7%
1614	District Management	3,880.80	12,988.80	65,450.00	52,461.20	19.8%
1617	Water Rights Dev-Legal	1,973.00	9,986.83	70,000.00	60,013.17	14.3%
1618	Water Rights Dev - Eng.	3,286.50	12,075.00	36,000.00	23,925.00	33.5%
1616	Engineering-Administration	-	-	22,208.00	22,208.00	0.0%
1615	Audit	184.80	184.80	7,500.00	7,315.20	2.5%
1620	Director's Fees	400.00	1,400.00	6,500.00	5,100.00	21.5%
1630	Utility Billing	1,419.23	5,238.37	19,200.00	13,961.63	27.3%
1672	Elections	47.52	771.72	10,000.00	9,228.28	7.7%
1650	Website Dev & Maintenance	-	233.75	1,000.00	766.25	23.4%
1670	Insurance/SDA	-	18,227.31	18,118.00	(109.31)	100.6%
1675	Legal	-	7,105.37	59,750.00	52,644.63	11.9%
1685	Miscellaneous Expense	813.98	2,723.01	14,000.00	11,276.99	19.5%
1693	Payroll Taxes	30.60	107.10	497.00	389.90	21.5%
1700	Treasurer's Fees	431.68	2,996.85	5,363.00	2,366.15	55.9%
Subtotal Administration		13,460.51	79,318.91	358,806.00	279,487.09	22.1%
Operations						
1755	Rules and Regulations	-	-	1,000.00	1,000.00	0.0%
1780	Project Mgmt/Oper Admin	228.02	652.04	3,920.00	3,267.96	16.6%
1784	Engineering-Operations	-	-	28,509.00	28,509.00	0.0%
1794	Utilities	2,721.87	12,309.84	35,000.00	22,690.16	35.2%
1795	GIS	5,184.63	5,184.63	-	(5,184.63)	0.0%
1798	Plant Supplies	369.70	1,346.75	8,000.00	6,653.25	16.8%
1802	Testing and Reporting	-	1,172.04	7,000.00	5,827.96	16.7%
1825	Distribution Sys Mntc	-	1,132.00	26,902.00	25,770.00	4.2%
1835	Equipment and Tools	-	22.01	3,800.00	3,777.99	0.6%
1840	Operator Services	3,767.54	15,906.13	54,084.00	38,177.87	29.4%
1850	Water Meters	-	1,513.76	5,400.00	3,886.24	28.0%
1851	Facility Maintenance & Repair	1,530.78	8,495.78	34,520.00	26,024.22	24.6%
1853	Meter Reading	948.70	3,820.32	8,500.00	4,679.68	44.9%
1854	Generator Preventative Mntc	-	2,082.75	2,800.00	717.25	74.4%
1872	Concentrate Disposal	-	-	5,000.00	5,000.00	0.0%
1876	Locates	527.18	930.71	9,000.00	8,069.29	10.3%
1898	Capital Repair & Replacement	3,795.06	7,962.28	295,848.00	287,885.72	2.7%
Subtotal Operations		19,073.48	62,531.04	529,283.00	466,751.96	11.8%
Total Expenditures		32,533.99	141,849.95	888,089.00	746,239.05	16.0%
Excess (Deficiency) of Revenues Over Expenditures		29,545.64	229,826.95	(85,658.00)	(315,484.95)	-268.3%

GREATROCK NORTH WATER AND SANITATION DISTRICT
Statement of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
General Fund
For the 5 Months Ending,
May 31, 2016

Acct No	Account Description	Period Actual	YTD Actual	Budget	Under/(Over) Budget	% of Budget
Transfers and Other Sources (Uses)						
1890	Transfer to Debt Service	-	-	(160,000.00)	(160,000.00)	0.0%
1895	Emergency Reserves	-	-	(24,073.00)	(24,073.00)	0.0%
Total Transfers and Other Sources (Uses)		<u>-</u>	<u>-</u>	<u>(184,073.00)</u>	<u>(184,073.00)</u>	<u>0.0%</u>
Change in Fund Balance		29,545.64	229,826.95	(269,731.00)	(499,557.95)	-85.2%
1501	Beginning Fund Balance	-	1,178,993.62	1,144,618.00	(34,375.62)	103.0%
Ending Fund Balance		<u>29,545.64</u>	<u>1,408,820.57</u>	<u>874,887.00</u>	<u>(533,933.57)</u>	<u>161.0%</u>

GREATROCK NORTH WATER AND SANITATION DISTRICT
Statement of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
Debt Service Fund
For the 5 Months Ending,
May 31, 2016

Acct No	Account Description	Period Actual	YTD Actual	Budget	Under/(Over) Budget	% of Budget
Revenues						
2510	Property Tax Revenue	18,785.44	130,413.98	233,388.00	102,974.02	55.9%
2515	Specific Ownership Taxes	1,589.32	6,232.68	16,337.00	10,104.32	38.2%
2518	Available of Service Fees	1,152.00	6,024.00	14,880.00	8,856.00	40.5%
2560	Interest Income	28.28	101.95	100.00	(1.95)	102.0%
	Total Revenues	<u>21,555.04</u>	<u>142,772.61</u>	<u>264,705.00</u>	<u>121,932.39</u>	53.9%
Expenditures						
2607	Bond Principal-2007 GO	-	-	135,000.00	135,000.00	0.0%
2608	Bond Interest-2007 GO	-	68,078.75	136,157.00	68,078.25	50.0%
2610	Bonds Principal-2010 GO	-	-	55,000.00	55,000.00	0.0%
2611	Bond Interest-2010 GO	51,025.00	51,025.00	102,050.00	51,025.00	50.0%
2668	Paying Agent Fees	-	200.00	500.00	300.00	40.0%
2675	Legal	-	-	500.00	500.00	0.0%
2676	Arbitrage compliance	-	-	2,000.00	2,000.00	0.0%
2700	Treasurer's Fees	281.79	1,956.30	3,501.00	1,544.70	55.9%
2899	Contingency	-	-	500.00	500.00	0.0%
	Total Expenditures	<u>51,306.79</u>	<u>121,260.05</u>	<u>435,208.00</u>	<u>313,947.95</u>	27.9%
	Excess (Deficiency) of Revenues Over Expenditures	(29,751.75)	21,512.56	(170,503.00)	(192,015.56)	-12.6%
Transfers and Other Sources (Uses)						
2587	Transfer from General Fund	-	-	160,000.00	160,000.00	0.0%
	Total Transfers and Other Sources (Uses)	<u>-</u>	<u>-</u>	<u>160,000.00</u>	<u>160,000.00</u>	0.0%
	Change in Fund Balance	(29,751.75)	21,512.56	(10,503.00)	(32,015.56)	-204.8%
2501	Beginning Fund Balance	-	11,503.79	16,642.00	5,138.21	69.1%
	Ending Fund Balance	<u>(29,751.75)</u>	<u>33,016.35</u>	<u>6,139.00</u>	<u>(26,877.35)</u>	537.8%

GREATROCK NORTH WATER AND SANITATION DISTRICT
Statement of Revenues, Expenditures and Changes in Fund Balance - Budget and Actual
Capital Projects Fund
For the 5 Months Ending,
May 31, 2016

Acct No	Account Description	Period Actual	YTD Actual	Budget	Under/(Over) Budget	% of Budget
Revenues						
3560	Interest Income	28.10	178.59	-	(178.59)	0.0%
	Total Revenues	<u>28.10</u>	<u>178.59</u>	<u>-</u>	<u>(178.59)</u>	#DIV/0!
Expenditures						
3675	Legal	-	-	3,000.00	3,000.00	0.0%
3853	Greatrock North Pump Station	105.60	1,784.76	187,970.00	186,185.24	0.9%
3880	Acquisition Costs	-	-	-	-	0.0%
	Total Expenditures	<u>105.60</u>	<u>1,784.76</u>	<u>190,970.00</u>	<u>189,185.24</u>	0.9%
	Excess (Deficiency) of Revenues Over Expenditures	(77.50)	(1,606.17)	(190,970.00)	(189,363.83)	0.8%
3501	Beginning Fund Balance	-	322,116.63	322,121.00	4.37	100.0%
	Ending Fund Balance	<u>(77.50)</u>	<u>320,510.46</u>	<u>131,151.00</u>	<u>(189,359.46)</u>	244.4%

GREATROCK NORTH WATER AND SANITATION DISTRICT

Property Tax Collection Schedule

2016

Month	1-510		2-510		1-510		1-560		1-510		2-510		1-515		2-515		1-700		2-700		ColoTrust Net Received		
	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service	General	Debt Service			
Adams County																							
January	6,661.03	4,348.24	-	-	-	-	-	-	-	-	-	-	-	2,410.70	1,573.68	99.92	65.22	2,354.06	1,536.70	111.19	72.59	14,828.51	
February	156,937.06	102,446.56	-	-	-	-	-	-	-	-	-	-	-	2,321.44	1,515.40	2,580.99	1,554.28	431.68	281.79	-	-	299,329.70	
March	7,404.76	4,833.74	-	-	8.34	5.44	-	-	-	-	-	-	-	2,434.66	1,599.32	-	-	-	-	-	-	16,003.77	
April	22,235.27	14,514.91	-	-	1.19	0.78	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	40,062.66
May	6,541.99	4,270.53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,812.52
June	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
July	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
August	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
September	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
October	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
November	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
December	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	199,780.11	130,413.98	0.00	0.00	9.53	6.22	0.00	0.00	0.00	0.00	0.00	0.00	9,547.79	6,232.68	2,896.85	1,956.30	341,037.16						

	Assessed Valuation			Mill Levy			Property Tax Receipts			Specific Ownership Tax Receipts		
	Assessed Valuation	% Change in AV	YTD	General	Debt Service	Taxes Levied	Taxes Received	% of Levied	Taxes Budgeted	Taxes Received	% of Budget	
2008	\$ 11,899,290	-	24,000	11,000	416,475	416,475	100.00%	41,647	34,862	83.7%		
2009	\$ 12,061,080	1.4%	24,000	11,000	422,138	398,952	94.51%	37,175	30,609	82.3%		
2010	\$ 12,326,250	2.2%	24,000	11,000	431,419	431,509	100.02%	34,513	28,376	82.2%		
2011	\$ 12,050,510	-2.2%	24,000	18,500	512,147	513,327	100.23%	32,958	32,788	99.5%		
2012	\$ 11,231,320	-6.8%	27,000	18,500	511,025	512,045	100.20%	30,662	34,981	114.1%		
2013	\$ 11,217,880	-0.1%	27,000	18,500	510,414	509,865	99.89%	30,625	37,829	123.5%		
2014	\$ 10,900,660	-2.8%	28,340	18,500	510,587	510,587	100.00%	30,636	40,479	132.1%		
2015	\$ 10,921,110	0.2%	28,340	18,500	511,545	511,545	100.00%	30,692	44,266	144.2%		
2016	\$ 12,615,550	15.5%	28,340	18,500	590,912	330,194	55.88%	41,364	15,780	38.2%		

	2015			2016		
	Prior Year Collections			Current Year Collections		
	Taxes Received	Current & Delinquent MTD	YTD	Taxes Received	Current & Delinquent MTD	YTD
January	\$ 2,730.13	0.5%	0.5%	\$ 11,009.27	1.9%	1.9%
February	\$ 215,872.84	42.2%	42.7%	\$ 259,383.62	43.9%	45.8%
March	\$ 29,324.18	5.7%	48.5%	\$ 12,238.50	2.1%	47.8%
April	\$ 30,371.28	5.9%	54.4%	\$ 36,750.18	6.2%	54.0%
May	\$ 8,202.59	1.6%	56.0%	\$ 10,812.52	1.8%	55.9%
June	\$ 69,553.17	13.6%	69.6%	\$ -	0.0%	55.9%
July	\$ 151,480.61	29.6%	99.2%	\$ -	0.0%	55.9%
August	\$ 1,915.75	0.4%	99.6%	\$ -	0.0%	55.9%
September	\$ -	0.0%	99.6%	\$ -	0.0%	55.88%
October	\$ 1,897.49	0.4%	100.0%	\$ -	0.0%	55.88%
November	\$ -	0.0%	100.0%	\$ -	0.0%	55.88%
December	\$ 196.73	0.0%	100.0%	\$ -	0.0%	55.88%
	\$ 511,544.77	100.0%	100.0%	\$ 330,194.09	55.88%	55.88%

Greatrock North Water and Sanitation District

Series 2010 General Obligation Refunding and Improvement Bonds
 Series 2007 General Obligation Refunding and Improvement Bonds

Bonds Principal and Interest Maturing in the Year(s) Ending December 31,	Totals		
	Principal	Interest	Total
2016	190,000	238,207	428,207
2017	195,000	230,337	425,337
2018	215,000	222,808	437,808
2019	235,000	214,193	449,193
2020	255,000	204,313	459,313
2021-2025	1,465,000	843,242	2,308,242
2026-2030	2,020,000	445,390	2,465,390
2031-2033	655,000	59,408	714,408
Total	<u>5,230,000</u>	<u>2,457,898</u>	<u>7,687,898</u>

**GREATROCK NORTH WATER AND SANITATION DISTRICT
ENGINEER'S REPORT
JUNE 27, 2016**

Greatrock North Pump Station Improvements

Lisa Johnson, John Wyckoff, and I met with Dan LaCoe on June 21, 2016 to discuss options on the pump station configuration that may reduce construction costs. Based upon the concepts discussed, revised drawings of the plan and section views for a buried structure using precast concrete components were provided to Mr. LaCoe via e-mail on June 24, 2016. With the revised configuration, the electrical components, with the exception of the pump motors, would be housed in an above-grade wood-framed building. TZA will follow-up with Mr. LaCoe the week of June 27, 2016.

Concentrate Management

The maximum daily run time for the reverse osmosis unit was reduced to 240 minutes on April 29, 2016. The table below summarizes certain components of the water system operations being monitored.

Date	To BECR Tanks (gallons)	South Pond Level (feet)
04/29/16 (Friday)	53,685	3.69
05/15/16 (Sunday)	110,203	3.70
05/30/16 (Monday)	171,235	3.77
06/15/16 (Wednesday)	175,969	3.78
06/26/16 (Sunday)	315,713	3.58

As evident, our daily production is increasing, as expected for this time of year. With the RO run time being reduced, and with the recent reduction in precipitation, the south pond level has reduced but water quality has likely decreased. As of June 14, Mr. Rabas indicates the north pond is approximately 18 inches down from the top of the gauge and dropping slowly.

There have been no communications from Altela, Inc. regarding progress in their AltelaRain technology patent issues.

LAMP RYNEARSON COMPANIES



Water Quality and Hardness

Below are tables summarizing the water production data, water quality results, and water treatment plant observations.

Month	RO Permeate	Unfiltered UKA Water	Unfiltered ALV Wells
June (as of 06/26/16)	14%	33%	53%
May	26%	36%	38%
April (04/19/16)	53%	37%	10%
March (03/31/16)	51%	38%	11%
February (02/22/16)	37%	38%	25%
January (01/20/16)	42%	38%	20%
December (12/14/15)	51%	38%	11%
November (11/21/15)	52%	38%	10%
October (10/25/15)	25%	36%	39%
September (09/20/15)	17%	34%	49%
August (08/24/15)	10%	33%	57%
July (07/19/15)	17%	35%	48%
June (06/28/15)	23%	37%	40%
May (05/25/15)	39%	42%	19%

The total hardness results tabulated below generally reflect a hard water as of June 1, 2016.

Total Hardness (as CaCO ₃)			
Date	BECR Tanks	RHF Tank	GN Tank
06/01/16	190.4 mg/l	165.0 mg/l	171.6 mg/l
05/06/16	106.6 mg/l	70.5 mg/l	72.8 mg/l
04/22/16	56.7 mg/l	63.4 mg/l	62.6 mg/l
03/09/16	68.3 mg/l	92.2 mg/l	92.8 mg/l
02/10/16	134.8 mg/l	88.9 mg/l	97.1 mg/l
01/11/16	49.7 mg/l	55.4 mg/l	67.0 mg/l
12/14/15	45.9 mg/l	63.3 mg/l	52.0 mg/l
11/09/15	63.5 mg/l	103.3 mg/l	82.0 mg/l
10/14/15	134.1 mg/l	117.2 mg/l	118.7 mg/l
09/09/15	152.6 mg/l	164.3 mg/l	158.4 mg/l
08/19/15	159.1 mg/l	175.6 mg/l	173.1 mg/l
07/10/15	136.2 mg/l	158.8 mg/l	156.5 mg/l
06/11/15	92.0 mg/l	78.0 mg/l	80.1 mg/l
05/11/15	84.8 mg/l	72.6 mg/l	73.9 mg/l
04/13/15	99.6 mg/l	67.7 mg/l	68.6 mg/l
March 2015	53.7 mg/l	68.3 mg/l	59.1 mg/l
02/02/15	83.4 mg/l	113.8 mg/l	104.6 mg/l
01/14/15	105.2 mg/l	123.0 mg/l	111.7 mg/l
12/03/14	115.3 mg/l	194.5 mg/l	169.8 mg/l
10/01/14	188.8 mg/l	231.7 mg/l	225.6 mg/l
07/11/14	221.5 mg/l	222.7 mg/l	220.4 mg/l
05/16/14	165.2 mg/l	209.6 mg/l	198.1 mg/l

For reference, hardness values are generally classified as:

Classification	Mg/l
Soft	0 – 60
Moderately hard	61 – 120
Hard	121 – 180
Very hard	GTE 181

Total Dissolved Solids (TDS)			
Date	BECR Tanks	RHF Tank	GN Tank
06/01/16	521 mg/l	477 mg/l	460 mg/l
05/06/16	336 mg/l	271 mg/l	288 mg/l
04/22/16	255 mg/l	272 mg/l	272 mg/l
03/09/16	289 mg/l	313 mg/l	321 mg/l
02/10/16	422 mg/l	324 mg/l	337 mg/l
01/11/16	278 mg/l	266 mg/l	243 mg/l
12/14/15	247 mg/l	290 mg/l	276 mg/l
11/09/15	275 mg/l	346 mg/l	320 mg/l
10/14/15	414 mg/l	406 mg/l	385 mg/l
09/09/15	470 mg/l	471 mg/l	495 mg/l
08/19/15	469 mg/l	500 mg/l	482 mg/l
07/10/15	417 mg/l	449 mg/l	468 mg/l
06/11/15	369 mg/l	350 mg/l	341 mg/l
05/11/15	401 mg/l	347 mg/l	366 mg/l
04/13/15	386 mg/l	326 mg/l	322 mg/l
March 2015	274 mg/l	324 mg/l	302 mg/l
02/02/15	350 mg/l	394 mg/l	383 mg/l
01/14/15	350 mg/l	394 mg/l	417 mg/l
12/03/14	417 mg/l	552 mg/l	511 mg/l
10/01/14	538 mg/l	603 mg/l	594 mg/l
07/11/14	565 mg/l	597 mg/l	599 mg/l
03/05/14	586 mg/l	543 mg/l	566 mg/l
01/08/14	553 mg/l	559 mg/l	575 mg/l
10/28/13	677 mg/l	643 mg/l	594 mg/l

Two water quality graphs are attached to this report. As evident, the hardness and TDS concentrations were considerably higher for the June 1 sample. This is largely due to the use of Alluvial Well No. 2 from May 13, 2016 through June 1, 2016 and the decrease in daily RO runtime.

Utility Billings and Energy Costs

TZA is tracking the United Power utility bills and associated water operations on a monthly basis. Below are the annual comparisons for each of the previous four years.

	2012	2013	2014	2015
Annual KWH	693,583	520,026	333,629	366,737
Annual Billings	\$74,040.05	\$43,316.56	\$28,204.49	\$31,044.16
Average \$/KWH	\$0.10675	\$0.08330	\$0.08454	\$0.08465

For reference:

- The rate class for the Box Elder Creek Ranch, Rocking Horse Farms, and Greatrock North facilities were changed to Commercial Time of Day in September of 2012.
- The Rocking Horse Farms pumps were replaced on August 13, 2013
- The Box Elder Creek Ranch pumps were replaced on March 13, 2014

Attached is a 2016 update reflecting the monthly energy usage and billings for each of the four United Power accounts, as well as a compilation of the total energy usage and billings year-to-date.

Other Activities

Warranty Inspections – Here is a summary of independent contractor projects:

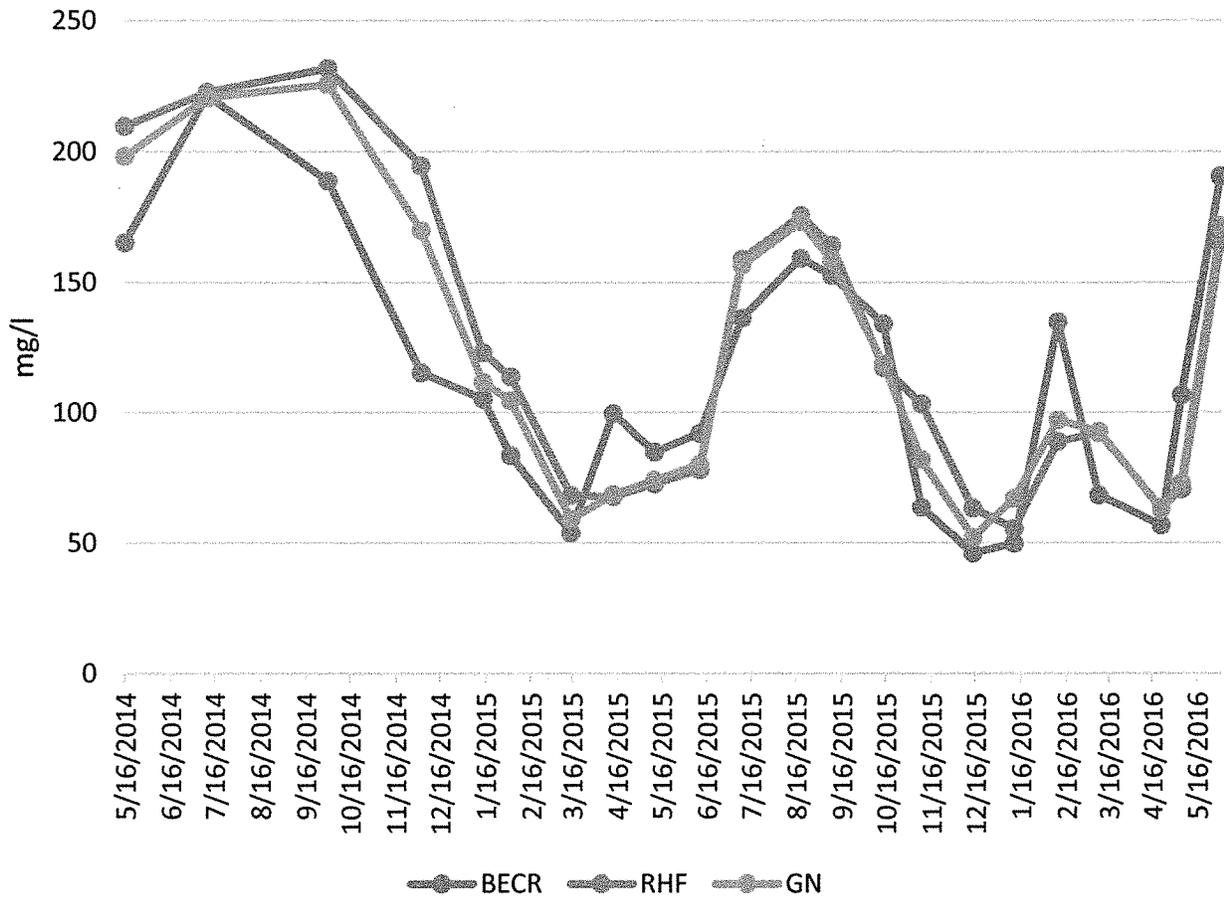
- Rocking Horse Farms Pump Station – The warranty inspection was conducted by Jeff Rabas on July 18, 2014.
- Box Elder Creek Ranch Pump Station – The warranty inspection was conducted by Brad Simons on January 26, 2015.
- Rocking Horse Farms Tank Repainting – The improvements were inspected and accepted on June 11, 2014. A preliminary warranty inspection was conducted by Ramey Environmental Compliance on April 24, 2015 and Coblaco addressed some minor surface rust and some isolated coating repairs on August 5, 2015. Ramey Environmental Compliance informed TZA of some coating issues on the tank roof and Coblaco inspected the conditions on March 30, 2016. I have contacted the local Tnemec representative to discuss the coating issues and a resolution.

Control Valves Evaluation – TZA transmitted information on a set of control valves at the Box Elder Creek Ranch pump station to iSiWest and REC's Equipment Services Division on March 29, 2016, and requested a service quote. iSiWest and REC have provided their cost proposals and I will review with Lisa Johnson at the June 29 quarterly operation meeting.

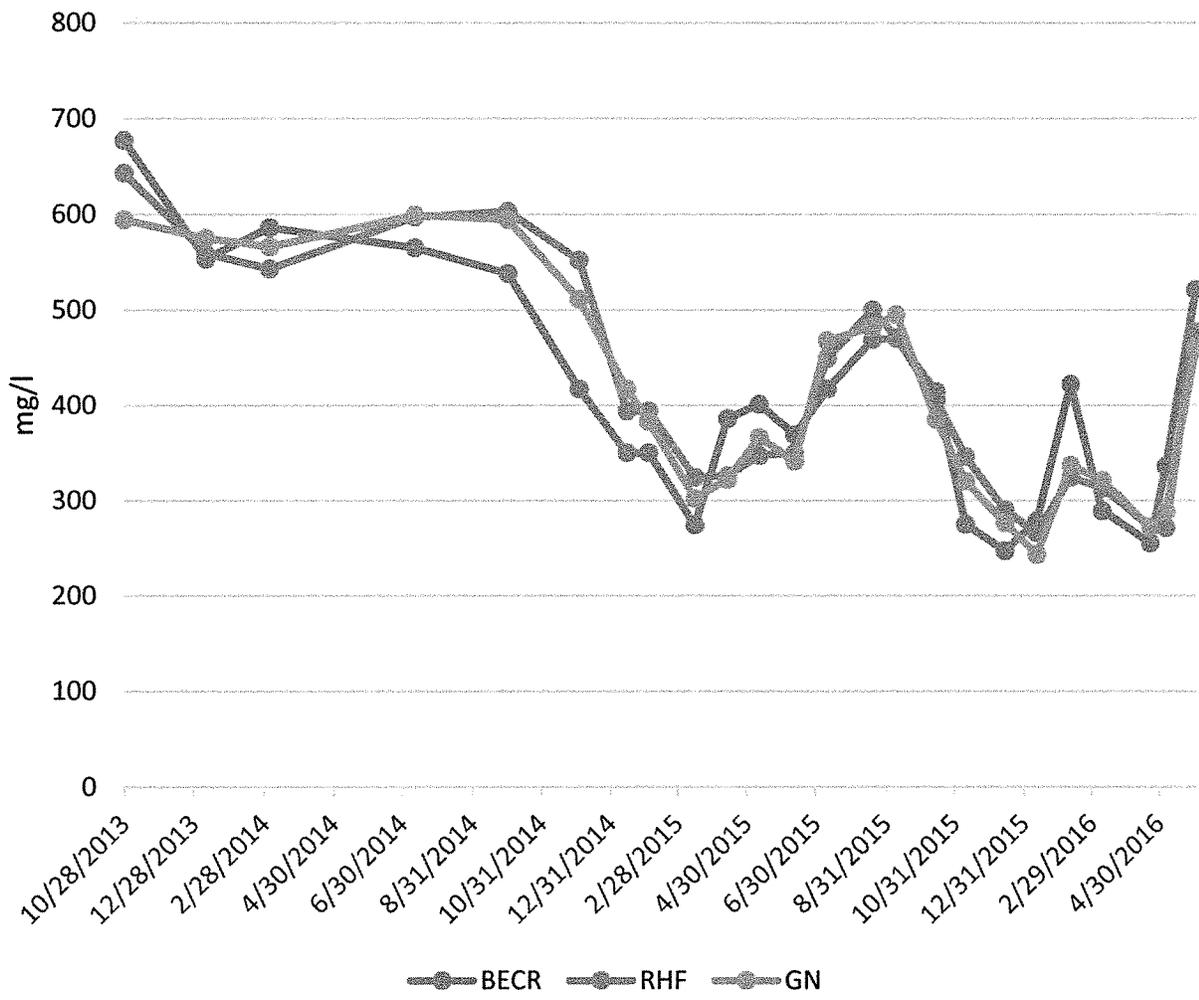
Well, Pump, and Motor Replacements – The District has initiated efforts to better understand its well infrastructure and the potential need for replacement of pumps and motors, as well as the well structures themselves. As a part of that effort, TZA Water Engineers will need to work with Bishop-Brogden Associates to compile the historical aspects of the wells constructed, the pumps installed, and any other improvements (i.e. water level measuring devices) integrated at each site. This information will be used to evaluate the benefits of a pump, motor, and well maintenance program to detect changes in well performance. Early detection of deterioration in well performance will allow less expensive repairs, rehabilitation, or treatment procedures in order to maximize production capacity. This preventative maintenance program will be discussed with the District's Manager, and a formal proposal will be brought to the Board if deemed appropriate.

Hayesmount Estates – At the request of the District Manager, TZA met with the persons interested in the Hayesmount Estates property on June 3, 2016 and has provided information on the water system improvements to a contractor working with the interested persons.

Hardness



TDS



GREATCROCK NORTH WATER AND SANITATION DISTRICT

