

Public Works Committee Meeting
May 2, 2019
Council Chambers, Town of Wadena

Attendees: Greg Linnen
Conrad Eliason
Greg Chaykowski
Jennifer Taylor
Jordan Theisen
Lovely Magnaye
Mel Rusteika

Meeting started at 8:00 am.

NEW BUSINESS

Mel Rusteika	<p>Greg asked Mel if he is willing to help the Public Works Department during the interim.</p> <p>Mel Rusteika said he is willing to help the staff in any way he could and is willing to undertake an audit of the water treatment.</p> <p>Mel shared info on chemical used to prevent calcium build up in the distribution system and his experience testing it to descale water meters. Info on the Aqua Mac product is attached.</p> <p>Regarding the water tower, Mel shared that he used to budget for the maintenance annually but had the interior and exterior work completed on a 5-year rotation. If we are looking to defer cost, we could have the exterior completed another year rather than to do both this year.</p> <p>Regarding lagoon dredging, Mel suggested probing the mound around the pipe to determine if dredging is necessary this year.</p> <p>On hydrants, Mel recommended communication with the Fire Department to keep us informed of which hydrants they use so we can inspect afterwards.</p> <p>Chike suggested compensating Mel for generosity, time and expertise. The Committee agreed. Jen suggested providing Wadena Bucks.</p>
Water Interruption	<p>Jordan provided an update on the loss of pressure on Wednesday morning. The distribution pump did not kick in and SCADA failed to send notification to his cell. Rick from Water Security Agency was notified and additional water samples were taken. We are waiting for the results.</p>

<p>Main St/Hwy 5 Paving</p>	<p>Paving will begin in Town in mid June. GW Paving needs the Town to identify dates/events that need to be avoided, whether night paving is warranted, and who will be the point person. Greg asked about how the paving would transition work into side streets.</p> <p>Greg expressed his interest in meeting with the Project Manager. Jordan suggested Joel Simpson as the contact person in Public Works based on his knowledge and experience.</p>
<p>Budget Related Figures</p>	<p>The committee briefly reviewed and discussed the PW budget.</p>
<p>OLD BUSINESS</p> <p><i>Snow Pile Management</i></p>	<p>Tabled.</p>
<p><i>Urban Highway Question</i></p>	<p>Tabled.</p>
<p>Street Sweeping Schedule</p>	<p>Jordan said Joel cannot give a schedule because he goes to wherever he thinks needs to be done.</p>
<p>Shooting Crows</p>	<p>Jen said Andy has received a lot of complaints but we need to amend our bylaw to authorize him to deal with crows.</p>
<p>Flushing Lines Schedule</p>	<p>We have set a plan to put the schedule out in our website and Facebook page.</p>
<p>Hydrant Replacements</p>	<p>As of this date, Public Works is planning to check 8 hydrants this year to determine which needs to be replaced or fixed.</p>
<p>Valve Turning Exercise</p>	<p>Marshall took the hard drive on Garrett's computer and is looking for an older computer that would be compatible so he can locate the documents they need for this.</p>
<p>Main St Valve Replacement</p>	<p>Due to the timing of the paving project, Public Works has scheduled valve replacement work beginning next week. Jordan said he knows of 7 valves along Main St but he is not yet sure if there are more.</p> <p>Jordan will request quotes for the valves. Chike suggested a frost-free rod that we can get out of Warman that could fit any valves. He said it will be a bit costly but might be worth considering.</p> <p>The plan will be discussed in the next council meeting for council to authorize Public Works do valve repairs along Main St as per committee's recommendation.</p>

Curb stop report	We currently have 2 known curb stops that need to be repaired. We have to list 5 or 6 more to make hydro-vac rental worth it.
Pot hole repairs	Cold mix was ordered and is coming today.
Meter Replacements	There are about 13 meters being scheduled to be installed. Marshall replaced two last week and another two to be done this week or next week. Jordan said for budget purposes we could plan 25 meter replacements per year until the remaining old meters are all changed out.
Lift Station Cleaning Schedule	Public Works are aware that they need to clean every 6 months.
Side Walk Repair	We can use the result of the Condition Assessment from Associated Engineering to identify priorities.
Staff Training and Certification	This was discussed in the last staff meeting. Public Works is sending to staff to CPR/First Aid training being offered in Wadena in May/June. There will be additional training opportunities in the next few months for staff.
Curb Extensions Tender	Greg will contact references for Top Gun and Lucky Seven.
Curbs on Hwy 5	Public Works will identify priorities and obtain quotes for the repair. Chike is concerned about the water that goes to the highway. He said we need to identify and fix the issue before paving.
Enabling Accessibility Grant	Lovely will check again if this has opened for this year. Jordan mentioned accessibility in the north of town. He will get quotes from NICAR for wheelchair accessibility in retrofitting curb at intersection crossings.
Weneeda Park Lodge Meter Replacement	Jen will follow up with Ashley from Water World Industries.
Water Tower Lining – Interior/Exterior	This project has been scheduled for August.
MDSI Water Line	Jen will talk to Terry Neilson and Ryan from MDSI to discuss this project.
Martin Dashney's Water Situation	Greg said Martin seemed happy last time when he talked to him.

Filter Media	We got this from Clark's last time. Jordan to get quotes.
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Meeting adjourned at 10:15 am.



Municipal Drinking Water

AQUA MAG® BLENDED PHOSPHATE

AQUA MAG® blended phosphate is the premier corrosion inhibitor and sequesterant for use in potable and industrial water systems. The product is a liquid concentrate of exceptional purity, clarity, and stability utilizing a broad spectrum of phosphates for better sequestering and corrosion control.

AQUA MAG blended phosphate should be handled with care. Wear proper protective equipment including goggles, face shield, apron, respirator and proper gloves when handling this product.

Protect containers from physical damage. Store in a cool, dry area in closed containers. In case of accidental release: contain spill by collecting the liquid in a pit or holding behind a dam (sand or soil). Absorb with inert media and dispose of properly. Disposal of all materials shall be in full and strict compliance with federal, state, and local regulations. Consult the SDS for additional safety and handling information.

AQUA MAG blended phosphate is generally considered to be safe and is not classified as hazardous according the US Department of Transportation, Canada TDG, UN, IMDG, or IATA regulations.

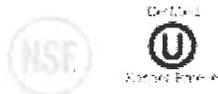
AQUA MAG blended phosphate can be stored in high-medium density polyethylene, cross-linked polyethylene, fiberglass reinforced plastic, 316 stainless steel, and glass lined/epoxy lined steel tanks. Piping materials may include schedule 80 PVC/CPVC piping, clear PVC, and white polyethylene tubing. Pump materials may include ceramic, Teflon, viton, hypalon and PVC liquid end pump materials.

Metering equipment can include diaphragm and peristaltic type metering pumps and other pumps meeting compatibility requirements.

It is not compatible with black iron, mild steel, galvanized metals, aluminum, zinc, copper, lead, brass, bronze, tin, and other base metals.

- **Inhibits corrosion of steel distribution system water lines, iron and galvanized piping, and lead and copper plumbing**
- **Decreases iron tuberculation to extend the life of the distribution system**
- **Inhibits lead and copper leaching resulting in lower lead and copper levels in the delivered potable water**
- **Minimizes the occurrence of microbial-influenced corrosion providing longer life system**
- **Controls iron and manganese minimizing rusty and dirty water in the system**
- **Reduces discoloration, staining, and mineral build-up resulting in fewer customer complaints**
- **Diminishes calcium scale deposits typically seen in hot water lines and heaters**
- **Saves money by reducing corrosion and scale; lowering chlorine demand and decreasing hydrant flushing, leaks, and failures**

Description: Clear homogenous liquid
Viscosity: < 2 cps at 70° F
Freezing Point: < 38° F
Specific Gravity: 1.34 - 1.40
pH (1% w:w): 5.5 ± 6.5
NSF/ANSI Standard: 60
Kosher Approved



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Municipal Drinking Water

AQUA MAG® BLENDED PHOSPHATE

5 gallon (57 lb) Jerrican

Made of high density polyethylene (HDPE). Weighs 3.31 lbs. (1.5 kg).
The net weight is 57 lbs. (25.9 kg).

15 gallon (171 lb) Drum

Made of high density polyethylene (HDPE). Weighs 6 lbs. (2.72 kg).
The net weight is 171 lbs. (77.6 kg).

30 gallon (342 lb) Drum

Made of high density polyethylene (HDPE). Weighs 12.2 lbs. (5.5 kg).
The net weight is 342 lbs. (155.1 kg).

55 gallon (627 lb) Drum

Made of high density polyethylene (HDPE). Weighs 20.5 lbs. (9.21 kg).
The net weight is 627 lbs. (284.4 kg).

275 gallon (3135 lb) IBC (Intermediate Bulk Container)

The IBC has a 2 inch (5.08 cm) butterfly valve with NPT threads in bottom sump. Weighs 123.2 lbs. (55.9 kg). **The net weight is 3135 lbs. (1422 kg).**

Bulk quantities up to 3500 gallons are available.

Other containers may be available, contact Carus Corporation at 800-435-6856 for details.

LABORATORY SUPPORT

Carus Corporation has technical assistance available to answer questions, evaluate treatment alternatives, and perform laboratory testing. Our laboratory capabilities include: consulting, treatability studies, feasibility studies, and analytical services.

FIELD SERVICES

As an integral part of our technical support, Carus provides extensive on-site treatment assistance. We offer full application services, including technical expertise, supervision, testing, and feed equipment design and installation in order to accomplish a successful evaluation and/or application.

CARUS CORPORATION

During its more than 100-year history, Carus' ongoing emphasis on research and development, technical support, and customer service has enabled the company to become the world leader in permanganate, manganese, oxidation, and base-metal catalyst technologies.

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SEARCH...

SEQUESTRATION

Potable and non-potable water can be adversely affected by elevated mineral content. Iron, manganese and calcium found in groundwater and surface water supplies have the potential to oxidize and create aesthetic and physical concerns for water utilities. In the presence of chlorine, elevated pH, and extreme temperatures (hot water heaters, dishwashers, etc.) iron and manganese precipitate to form oxides in distribution systems. These precipitates develop in tuberculation that can lower C factors (flow), increase chlorine demand and result in red water or black water at the customers tap. In addition calcium precipitates form cloudy water and scale in the distribution system and on customer fixtures.

Carus has developed a complete line of sodium and potassium-based phosphate blends that sequester high levels of minerals (Fe, Mn, Ca). The Carus polyphosphate blends create a ring like structure around the molecule to create compounds that are resistant to oxidation and precipitation. Carus polyphosphate blends utilize long chain threshold treatment technology to create extremely stable blends to keep mineral in solution over longer periods of

time and in a variety of water quality conditions. The use of Carus polyphosphate blends eliminates red/brown water (<http://www.caruscorporation.com/page/water/drinking-water/black-waterred>), cleans existing tuberculation, improves C- Factors (flow) and minimizes scale formation (<http://www.caruscorporation.com/page/water/drinking-water/scale-control>) in distribution systems. Additional benefits include improved disinfection (lower chlorine demand), effective corrosion control at lower pH levels and improved flushing programs.

Carus sales and technical advisors work with you to evaluate your water quality and recommend effective treatment solutions for all types of water treatment facilities including groundwater and surface water, conventional filtration and membrane technology. Carus sequestering programs are supported by our full time technical service and laboratory teams. The support includes site visits and water quality testing to insure effective treatment recommendations.

Carus products which support the sequestration treatment objective include:

- AQUA MAG® blended phosphate
(</resources/common/documents/DW%20AQUA%20MAG%20Data%20Sheet%20>
- CARUS™ 1000 Series
(</resources/common/documents/DW%20CARUS%201000%20Data%20Sheet%20>

HAVE A QUESTION?

If you would like more information, have a question, or are ready to purchase please let us know how we can reach you.