



Oct. 16, 2021

Vol. 37, No.41

Sewer Tour

Casey Baragary, Public Works Director, joined in our meeting today at Zion Congregational



Church, and then led us on a Treynor Sewer Tour. The group drove to the main area on the north end of Don Saar's farm.

The current facility is designed to handle a population of 2000 with expansion capability to 4000 population.

There are over six miles of 8" to 12" sewer mains, plus approximately two miles of service lines.

Initial waste treatment facilities were constructed in the '60's. In the late 70's treatment facilities in Treynor were required to be expanded. In 1986 Iowa DNR approved Treynor's plans to construct a three-celled aerated lagoon. In 1988 the present facilities started up. Project costs were about \$677,000. This included a 3 cell aerated lagoon, blower building with equipment and controls, a SE lift station with 2 pumps and controls and pipes.

Two lift stations handle the flow of all wastewater, which flows into a treatment plant through manhole #1. An ultrasonic device is used for measurement. Signals are sent to a computer which converts the signals to gallons per minutes.

The lagoon cells are approximately 12 feet deep. The lift stations are cleaned M-W-F and Casey said all kinds of things are found. The total capacity of our system is 600,000 gallons giving us a "detention time" of approximately 66 days. This means that each gallon of waste water remains in our treatment facility for 66 days before it is discharged.

Air is pumped into the lagoons to aid the biological treatment process. There are 20 aerators in Cell #1, 10 in Cell #2, and none in Cell #3. The DNR does a survey every three years of the facilities. Because the third cell hadn't been used for some time, it was decommissioned and

now can't be used as it is too close to homes in the area.

Waste water coming into and leaving the treatment facility are tested for PH, ammonia, dissolved oxygen, "BOD" (biochemical oxygen demand) and suspended solids. Test results are sent to IDNR each month. Flow at both locations is reported also. Presently inflow is about 100,000 gallons per day and outflow is 60,000 gallons per day. The system is very efficient. They remove over 90% of BOD and suspended solids. Casey stated it is also much more cost effective than a mechanical plant.

Baragary stated his education beyond a high school degree is in lagoon certification and waste water certification through continuing education.

When asked about the algae on the surface of the cells, he stated it is duckweed and they try to mitigate it. Sunlight and wind help. Frequent mowing around the lagoons helps also which takes about 1.5 hrs.



Other workers in public works are Brad Klahn and Marlyn McKenzie.

Two issues to deal with now are E Coli and ammonia in the three cold months. It appears they will need to convert Cell 1 to two cells and use a black plastic cover. Aeration will need to be from the top, not the bottom. In addition, UV lights will be installed. Grade 2 certification training will be needed.

Next week's speaker will be Brenda Mainwaring, new CEO of Iowa West Foundation.

The public is invited to attend all meetings. The coffee is always on. Gary Funkhouser coins our club as "The best informed club in Treynor!"

"Never look down on anybody unless you are helping them up." Jesse Jackson

Meeting Minutes

Jordan Campbell, club Vice President, called the meeting to order. Present were 12 members and guest, Casey Baragary. A history fact presented by Jordan: On this day in 1987 Baby Jessica was rescued from a well where she was trapped for 58 hours.

Jordan Campbell led the Pledge of Allegiance and gave the opening prayer. Ken Graham provided humor.

Jordan Campbell won the 50/50 drawing. Jerry Hempel won the attendance drawing, but was not present. Jim Clausen won the football contest.

Birthdays/Anniversaries: Marsha Underwood's birthday was observed. Dennis and Kay White's 51st anniversary was celebrated. On this day also actress Angela Lansbury is 95.

Bragging Rights: (\$ are used for youth activities)

- Gary Gutttau bragged on the Treynor Girls Volleyball team winning the Western Iowa Conference.

COMMUNITY:

John Klein stated that the Treynor Band won the championship in their division last week at the Glenwood Fieldfest. Today the Treynor Marching Band performs in the State Marching Band Contest in Glenwood at 11:10 and then travels to Ankeny by invitation for the Mid-Iowa Band Championships at 5:30 PM. Go Treynor Band!!

Jordan Campbell passed out flyers inviting all to the "Terrifying Tour" at Zion Congregational Church in Treynor Oct. 28 from 6:30 – 9 PM and Oct. 30 from 6:30 – 10 PM. This is for adults and kids 10 and older. You can come just for the snacks and fellowship if you prefer. See the attached flyer. You must RSVP to book your time

slot: pastorjordancampbell@gmail.com or 712-310-1835. A free will donation can be made.

BUSINESS:

Reminder: Our club will host a NOW (New Optimists Welcome) meeting and pizza dinner on Tuesday, Oct. 26 at Silos at 7:00 PM. Be sure to let Dale or Judy know if you are planning to attend. Jim Clausen indicated he has invited two. Dale Willenborg indicated he has sent 21 invitation letters. All are encouraged to invite potential new members. Judy offered to do some phone follow-up with the invitees. Dale indicated he is putting together a presentation.

Dues are due.

Can Kennel workers were John Klein, Gary Gutttau, and Gary Funkhouser who helped the Boy Scouts. Gary Gutttau proposed an idea which will be discussed at the board meeting.

As is usual, there was some fun discussion- this time about No Shave November and cigarette smoking in the "old days".

The Iowa District Conference for Optimists will be in Des Moines at the Holiday Inn on Oct. 22-23.

The meeting was adjourned with members reciting the Optimist Creed.

HUMOR

You only need two tools in life....WD-40 and duct tape. If it doesn't move and should, use WD-40... if it moves and shouldn't, use duct tape.

KitchenFunWithMySons.com

Calendar

Events

- | | |
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| Oct. 24 | Treynor's Trunk or Treat |
| Oct 26 | Treynor's NOW (New Optimists Welcome) dinner – 7 PM |
| Oct. 28, Oct. 30 | Terrifying Tour, See attachment. |

Birthdays

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| Oct 29 | Bill Vorthmann |
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Anniversaries

Programs

Oct John Klein
Nov Jerry Hempel
Dec Linda Danker (first two)
Mick Guttau (last two)

Speakers

Oct 23 Brenda Mainwaring, CEO, Iowa West
Foundation
Oct 30 Bob Keysor, Army Veteran of Treynor
Missile Base

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