Public works Committee meeting was called to order @5:55 pm June 28th 2106

ROLL CALL: D. Meyer, K.Koss, H. Nell, J. Weise & L.Dachelet

Also attended: P.Haack, M.Decur, M. Hoffman, Kew CO. Rep- Todd & J Wiswell

Meeting was in compliance to open meeting Law.

J.Barlow made motion to approve the Agenda Seconded by H. Nell MC

H. Nell made a motion to approve the May 17th 2016 minutes Seconded by K.Koss MC

J.Barlow made a motion to approve the Bills as reads Seconded by K.Koss MC

Jeff Hoffman from SUEZ WWTF gave his report all's going well at the plant we are back to normal with or Wastewater Effluent Quality wastewater treatment gallon age. Jeff expressed that they ran samples from Dramm's & Ahnapee Brewery waste to see if thing would work at the plant with the current system in place. He expressed the plant would not be able to handle this added waste with the way the receiving station is right now. If we decide to upgrade the receiving station then we could accommodate this for such. (Could be costly). Maintenance cap is doing well.

Mike Decur gave his report and everything is going and planned. The Facilities Plan is approved. UV System Plans have been sent in for approval waiting on the DNR.

Discussion on the RFP for the alley repair members discussed the several firms that were interested. Heard remarks from Pete Haack on firm that they use at the Utilities and after more discussion there was a motion from Jim Barlow to recommend that CEDAR Corp. would be the firm for the alley repair 2nd by Jacque Weise. MC
Public work Committee recommend that CEDAR Corporation be the Firm to do the 3rd St. / 4th St. alley way repair.

Committee discussed the 2nd St. / Cty. S Bridge and there was a motion by K.Koss 2nd by J.Barlow to recommend to the council that they want the new bridge to have sidewalks on both side. Along with the there be NO reduction of lighting after completion. MC

Committee discussed the Policy for sewer Credit tabled until next meeting Mike and Jeff to find better policy explanation.
Discussion on Handy Cap parking on Fremont St. in front of the City hall that was tabled until completion of the Elementary Scholl remodeling to see the completion of the drop off at school entrance before making and recommendation for such.

Motion to adjourn @ 6:55 pm / J.Barlow 2nd H.Nell MC.

Next meeting July 26th @5:00 pm 2016 @ City Hall.

Chairman LD.
6-29-16

# City of Algoma WWTP

**Monthly Report – May 2016**

## 1. Wastewater Effluent Quality

Effluent quality for May was within the parameters regulated by the WPDES in permit # WI-0020745-08-0. Total wastewater treated in May was 16,407,000 gallons. The following table lists the effluent concentrations based on data available at the time of this report; further analysis may be pending.

**Table 1A Nutrients**

| | Parameter | $BOD_5$ mg/l | TSS mg/l | Ammonia-N mg/l | Total-P mg/l |
|---|---|---|---|---|---|
| Monthly Values | Minimum | <2.0 | 2.3 | <0.045 | 0.4 |
| | Maximum | 3.3 | 4.3 | <0.045 | 0.7 |
| | Average | <2.0 | 3.1 | <0.045 | 0.54 |
| **Limits** | **Monthly Average** | **10** | **10** | **2.5 April – May** | **1.0** |

**Table 1B Other Parameters**

| | Parameter | pH | Fecal coliform | Dissolved Oxygen | Effluent Temp. |
|---|---|---|---|---|---|
| Monthly Values | Minimum | 7.5 | <1 | 9.6 | 10.8 |
| | Maximum | 7.6 | 94 | 10.6 | 155 |
| | Average | 7.6 | Geo Mean 4.4 | 10.1 | 13.1 |
| **Limits** | | **>6 & <9** | **<400#/100 ml** | **>7.0 mg/l** | **>10$^0$C** |

## 2. Chemicals

The following table outlines the chemical use for the month. These amounts are estimates based on daily use and application rate.

**Table 2A**

| Chemical | May 2016 |
|---|---|
| Aluminum Sulfate | 1054 gallons |
| Polymer | 16 gallons |

## 3. Operations

a. A confined space entry was performed to identify the source of an oil leak on the influent macerator. The cause of the leak was a worn fitting. The fitting has been replaced.

b. A service technician, from Cummins NPower, was brought in to identify and correct problems with the emergency generator that were found during scheduled operation. He identified and repaired an actuator rod that was not locked into the source handle and made an adjustment to the overspeed switch.

c. The Aluminum Sulfate feed line has clogged a couple of times in May causing brief pauses in alum dosing. The treatment process has not been negatively impacted because of residual alum that remains in the system.

d. The influent macerator (Channel Monster) was out of service for 2 days while replacement parts were being obtained to repair an oil leak.

e. There have been two requests this month to accept high strength waste from local businesses. Dramm Corporation and Ahnapee Brewery have provided waste samples that we have tested in house. Sample test results indicate each of the waste sources would be challenging for the facility to treat due to the configuration of the receiving station.

f. Bay Electric Systems repaired an item identified in the recent thermographic analysis. They will also be providing quotes and obtaining parts for upcoming repairs.

## 4. Maintenance Activities

g. The skimmer blades on primary clarifiers 1 and 2 have been replaced with a more durable rubber. The nuts and bolts holding the skimmer assemblies in place have been replaced with pins that are much easier to install thereby reducing the amount of time that an operator must spend working in the space.

h. Oil changes have been performed on both of the primary clarifiers.

i. Both tail light assemblies on the pressure washer trailer have been replaced by Suez staff.

j. Suez staff exercised the emergency generator each week for thirty minutes. The emergency generator also ran, under facility load, for thirty minutes on May 4. The unit had difficulty transferring back to utility power. The transfer issue has been corrected.

k. Results of the L&S Electric annual equipment vibration analysis, performed in April, have been received. The analysis found four items that will need to be addressed. Three of the items are indicated as motor bearings that need replacement. The fourth item is a pump bearing that is in need of replacement. Repairs will be scheduled to reduce potential down time.

l. A new pressure sensor has been installed and calibrated on thickened sludge pump 1.

m. Software has been updated on the DR3900 spectrophotometer.

n. The annual cross connection control inspection was performed on May 18. Four additional vacuum breakers were installed on new plumbing projects.

o. Equipment inspected and greased in accordance with the preventative maintenance program included, but was not limited to: Re-use water booster pump (Thickener), Grit classifier,

Thickened sludge pumps 1 and 2, Digested sludge pumps, Piston pumps, Primary clarifiers, Secondary clarifiers, Gravity belt thickener roller bearings, blowers and Re-use water pumps.

p. Safety eyewashes, safety showers and fire extinguishers have been tested and or inspected.

q. There were no after hour's call-outs in the month of May. (Table 4A)

**Table 4A**

| Date | Issue | Action Taken |
|---|---|---|

The following table outlines the expenditures and remaining value of the maintenance cap through the end of the contract year. There are additional budget items for May that were not included at the time this report was prepared and will be included with next month's report.

**Table 4B**

| 2016 Maintenance Cap | | Monthly contribution | Total contribution | Remaining value | Remaining percent |
|---|---|---|---|---|---|
| $27,195.35 | January | $1,694.21 | $1,694.21 | $23,502.35 | 93.28% |
| | February | $2,390.54 | $4,048.75 | $21.111.81 | 83.79% |
| | March | $1.595.77 | $5,680.52 | $19,516.04 | 77.46% |
| | April | $542.68 | $6,223.20 | $18,973.36 | 75.30% |
| | May | $1,598.25 | $7,821.45 | $17.375.11 | 68.96% |

## 5. Upcoming activities

a. Correction of vibration analysis findings.

b. Installation of gate valves to control flow to the final clarifiers.

c. Working with Strand Associates on the UV system upgrades.

## 6. Training, safety and other

a. Cody and Kevin, of the Suez Algoma staff, created and submitted a video celebrating NAOSH Safety Week as part of a contest for all of the Suez North America locations. Their submission won first place and earned them well-deserved recognition from senior management in addition to a prize.

b. The site safety inspection performed this month concentrated on the Control Building.

c. Safety tailgate talks are conducted weekly.

## 7. Odor and Noise

a. There were no odor or noise complaints registered in May.