5-18-1

Minutes – Public Work Committee

Public Works meeting was called to order by Lee Dachelet @ 5:00 pm on May 17th 2016.

Members present: Dave Meyer, Hunts Nell, Jim Barlow & Lee Dachelet.

Excused: Jacques Wiese & Kelly Koss.

Also [present: Mike Decur, Jeff Hoffman, Andrew Reid & Jess Wiswell.

Meeting was in compliance with the open meeting law.

Approval of April 26yh minutes: motion by J.Barlow 2nd H.Nell MC

NO PUBLIC COMMENT

Bills were read and approved: motion by H.Nell 2nd D.Meyer MC

Report on the Waste Water Treatment Plant-SUEZ

Jeff Hoffman of the WWTF read the monthly report and the facility is doing well.
See attached report. DNR Inspections went well all incident were corrected.

Jeff Hoffman also did the 2015 annual WWTF plant report. Improvements and advancement of the plant is going as schedule and was a great accomplishment by the staff for being so dedicated to their jobs and was noted by the board members. Thanks again for the great job Jeff and staff. Andrew Reid reported that the Algoma staff is submitting a video in a contest on NAOSH Safety Week for the SUEZ North American Location. GOOD LUCK.

Public Works Director Report: M.Decur report they are doing ongoing spring maintenance operations, pavement patching, storm sewer cleaning and flushing, street sweeping and such.
Gear up for sidewalk repair & replacement.
Tree maintenance plan in prep.
Working on RFQ info for alley repair and storm sewer river crossing should have bid request out in 10-15 days. M.Decur & J.Wiswell report back next meeting.
Marina is up and running May 1st all's well.
WWTF CMAR (Compliance Maintenance Annual Report) report for 2015 is in progress.
CMOM (Capacity, Management, Operation & Maintenance) along with the Facility Plan & UV System upgrade is on schedule plans for 2 weeks.

New Business: Sewer Credit Request: 2427 Lake St.
Motion by D. Mayer 2nd by H.Nell MC
Request by J.Barlow to review the Sewer Credit policy at the next meeting.
Next meeting June 28th @ 5:00 pm
Motion to adjourn @ 6:05 pm
LD Chairman

City of Algoma WWTP
Monthly Report – April 2016

1. Wastewater Effluent Quality

Effluent quality for April was within the parameters regulated by the WPDES in permit # WI-0020745-08-0. Total wastewater treated in April was 22,059,000 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	0.2
	Maximum	5.2	5.8	0.4	1.0
	Average	3.1	3.7	<0.045	0.5
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	10.2	8.0
	Maximum	7.6	370	11.4	11.7
	Average	7.5	Geo Mean 16	10.7	9.8
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	April 2016
Aluminum Sulfate	990 gallons
Polymer	13 gallons

3. Operations

a. Aeration basin 3 has been brought online to treat the higher than normal flows encountered at the beginning of the month.

b. The laboratory autoclave failed and was out of service for one day due to a faulty switch. Kevin was able to repair the unit in house.

c. The telescopic valves on the Final clarifiers have been adjusted to increase return rates and reduce blanket depths in the finals.

d. Bank 2 of the UV disinfection system was assessed, cleaned, and placed into service for a six-month cycle.

e. Safety concerns were identified when collecting samples for the coliform test. A new sampling device was created to eliminate the risks.

f. The Algoma Fire Department performed a site inspection on April 15. There were no findings requiring action.

g. We have resumed periodic mixing of sludge stored in the Harvestore.

h. To comply with Wisconsin Administrative Code Chapter NR 590 and Federal Rule 40 CFR Part 279; covering the management of used oil, Halron Lubricants picked up the treatment facilities used oil for recycling.

i. The influent macerator (Channel Monster) failed on April 20 and sounded an alarm. A confined space entry was performed to identify the cause and inspect the blades. A large bolt, of unknown origin, was in the mouth of the machine and removed. The unit is back in service, but it is now leaking some hydraulic fluid. Another confined space entry will be scheduled to determine the location of the leak.

j. Alum dosing was interrupted briefly due to blockages on the outlet side of the feed line. The blockage was cleared and dosing resumed at its previous rate.

4. Maintenance Activities

k. Oil changes have been performed on Blowers 2, 3, and 4.

l. The alarm dialer backup battery was replaced as a preventative scheduled maintenance item.

m. Suez staff exercised the emergency generator each week for thirty minutes. The emergency generator also ran, under facility load, for thirty minutes on April 4.

n. Suez staff installed new mounting brackets and a new pole in the post-disinfection aeration tank. The existing mounting apparatus deteriorated and broke loose causing the attached floats to operate sporadically.

o. The string trimmer and both lawn mowers have been prepared for use this season. The snow thrower and salt spreader have been prepared to be stored for the summer.

p. L&S Electric performed the annual equipment vibration analysis in late April. Results will be available in May.

q. The Headworks exhaust fan motor seized and required replacement. A new motor was ordered and installed by Suez staff.

r. 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.

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

t. There were no after hour's call-outs in the month of April. (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 April 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	$208.19	$5,888.71	$19,307.85	76.63%

5. Upcoming activities

a. Confined space entry to repair the channel monster oil leak.

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

c. Suez Algoma staff will be creating and submitting a video celebrating NAOSH Safety Week as part of a contest for all of the Suez North America locations.

6. Training, safety and other

a. The site safety inspection performed this month concentrated on building exteriors, the outdoor areas of the facility, and the lift stations.

b. Suez Algoma staff obtained 3 hours of safety training at the Suez Sturgeon Bay facility.

c. Safety tailgate talks are conducted weekly.

7. Odor and Noise

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