

Report No.: 2020-06-01
Report Page: Page 1 of 3
Meeting Date: June 25, 2020
File No.:



To: Chair and Members
Lambton Area Water Supply System Joint Board of Management

From: Clinton Harper
General Manager

Subject: Information Reports (June 25, 2020)

Recommendation

That the LAWSS Joint Board of Management receive the following as information.

Items:

COVID-19 Update

No major changes to report.

On March 17, 2020, the Province of Ontario declared an emergency under the Civil Protection Act due to the global pandemic, COVID-19. As a result of the provincial emergency declaration the following initiatives were implemented at LAWSS.

1. The Operator has established a Vendor of Report (VOR) for disinfection services. The VOR will streamline disinfection of contaminated areas of a LAWSS Facility in the event that local OCWA staff are diagnosed with COVID-19.
2. The Operator has ordered a "fog" system to allow local OCWA staff to complete an area disinfection as needed. The system is similar to those used by County of Lambton EMS to disinfect equipment.
3. In an effort to reduce a possible backlog of contractual work, the Operator has shifted its focus to contractual work that can be completed under current social distancing restrictions.
4. The Operator has implemented a thorough cleaning SOP that involves cleaning the operator's workspace 4 times/day.
5. The Operator adjusted operations to more closely monitor its PPE inventory.
6. The Operator adjusted operations to more closely monitor the availability of critical treatment chemical.
7. The Operator has increased order frequency / decreased order quantity to maximize system resiliency.

Report No.: 2020-06-01
Report Page: Page 2 of 3
Meeting Date: June 25, 2020
File No.:



The LAWSS GM continues to be in continual communication with the OCWA Operational Manager. Communication involves all aspects of Operations, including any changes due to the ongoing situation.

In addition to the steps/initiatives listed above, the City of Sarnia assisted LAWSS by placing traffic control at the entrances to both LAWSS owned parking lots at the onset of the emergency. These barricades have since been removed and the LAWSS kiosk washroom has been reopened at an increased cleaning interval.

LAWSS and OCWA have proceeded with certain Major Maintenance and some Capital Projects under a 2-phase assessment.

Phase 1- Protect and Minimize the risk to the operator.

LAWSS and OCWA staff will complete a project specific review, from the perspective of Operator isolation, to determine if a project can be completed with an acceptable amount of risk of exposure to the Operator.

Phase 2 – Control Staging and Implementation.

If the amount of risk is acceptable, a project specific plan for control staging and implementation will be developed. Contractors entering the site will be required to acknowledge the requirements of the Plan prior to arrival on site.

SCADA Master Plan

Tendering in progress. Site meetings held at the LAWSS WTP on Monday June 15, 2020 and Tuesday June 16, 2020. The work includes development of a SCADA Master Plan that includes the following four components:

1. Evaluate the existing SCADA system to determine any deficiencies.
2. Identify LAWSS operational requirements and information/control needs.
3. Evaluate communication path performance.
4. Develop a Master Plan to upgrade the existing SCADA/PLC components to maximize reliability, responsiveness, cost effectiveness, security, and scalability.

Engineering- Main Plant HVAC

Tendering in progress. Site meetings held at the LAWSS WTP on Tuesday June 16, 2020 and Tuesday June 16, 2020. Goals of this project include:

- Replace/right size HVAC Equipment that has surpassed its life expectancy.
- Reinstate dehumidification. The dehumidification air handler which services the majority of the plant area had been modified in a recent project, including removal of the refrigeration coil. Humidity sources are still introduced into the WTP due to required outdoor air ventilation.
- Correct the remaining HVAC once-through water utilization that is currently being used for cooling and dehumidification.

Report No.: 2020-06-01
Report Page: Page 3 of 3
Meeting Date: June 25, 2020
File No.:



- Address potential risk of uninsulated components to condensation.
- Update and combine the various building automation systems.

WLPS Special Valve Project Update

At the February 2020 meeting of the LAWSS Joint Board of Management, OCWA Engineering Group was awarded the WLPS Special Valve Project. The work included project development, tendering, project management and commissioning work needed to address the leaking 36" back pressure sustaining (BPS) valve currently in service at the WLPS.

OCWA's work is ongoing. A project scope has been established and OCWA is proceeding with tendering of the project.

Condition Assessment Review of- Port Lambton and Watford SP

A provision for a finite element analysis (FEA), to determine the facilities ability to bear telecommunication infrastructure, was included in a staff recommendation at the May 28, 2020 meeting of the LAWSS Joint Board of Management. The recommendation was part of an overall proposal to complete a generalized condition assessment of the structures. While the condition assessment was approved to proceed, staff was directed to review previous assessments to determine if the FEA was necessary due to previous studies completed prior to authorizing the FEA portion of the project.

After a thorough review of previous projects and assessments completed on the tower facilities, insufficient information was available to determine if the existing mounting infrastructure is robust enough to support additional telecommunication infrastructure. CIMA+ was asked to proceed with the FEA provision and a PO was issued for the additional work as outlined in the May 28, 2020 staff report.

This report was prepared by Clinton Harper, LAWSS General Manager

Attachment(s):