

LEWISTON CITY COUNCIL

WORKSHOP AGENDA

Tuesday, September 22, 2020

SESSION WILL BE CONDUCTED REMOTELY AND MEMBERS WILL ONLY PARTICIPATE ELECTRONICALLY. THE MEETING CAN BE VIEWED ONLINE AT <https://www.lewistonmaine.gov/2020cc>

Public Comment on any item appearing on the agenda may be sent to publiccomment@lewistonmaine.gov prior to or during the meeting, and all comments received will be forwarded to the City Council. People who would like to access the meeting by phone only may contact (207) 513-3121 for the access code before 4:30pm on the day of the meeting.

6:00 pm Workshop

WORK SESSION

1. Combined Sewer Master Plan – 5-Year Update

EXECUTIVE SESSION

- ES-1. Executive Session to discuss labor negotiations regarding the International Association of Firefighters, Local 785.

LEWISTON CITY COUNCIL
WORKSHOP AGENDA
TUESDAY, SEPTEMBER 22, 2020
6:00 PM

1. Combined Sewer Master Plan 5-Year Update

In June 2019 Lewiston Sewer District, Auburn Water Sewer District, and the Lewiston-Auburn Water Pollution Control Authority (LAWPCA) submitted its required Clean Water Master Plan (CWAMP) 20-year Update. These are done every 5-years and this is the fifth installment. They are required to secure a discharge permit under the Federal Clean Water Act, due at the end of the year. Lewiston has invested approximately \$36 million over the last 20-years mostly in separation of storm water from waste water. DEP is looking for a more aggressive approach over the next five years and agenda item is to update the City Council of this change and the likelihood of increased costs in 2024 through 2026.

2. Executive Session – Contract Negotiations - Lewiston Fire Association



EXECUTIVE DEPARTMENT

**Dale F. Doughty, Deputy City Administrator
Acting Public Works Director**

**To: Denis D'Auteuil, City Administrator
Dale Doughty, Acting Public Works Director
Subject: Clean Water Act Master Plan Update**

In June 2019 Lewiston Sewer District, Auburn Water Sewer District, and the Lewiston-Auburn Water Pollution Control Authority (LAWPCA) submitted its required Clean Water Master Plan (CWAMP) 20-year Update. These are done every 5 years and this is the fifth installment. These reports evaluate the progress of separating storm water from sanitary sewer systems in our cities. During storm events storm water can overwhelm the sanitary sewers causing a discharge of combined storm water and sewage directly into water bodies like the Androscoggin River. The Clean Water Act prohibits such discharges, but regulators have worked with communities all over the country to progressively separate storm water or use other techniques such as storage to progressively manage these discharges. Lewiston and Auburn are unique in that three entities participate in the planning and separation of these systems, historically making more progress at economical cost. Lewiston and Auburn have been proactive leaders in the State, which is one of several reasons the Androscoggin River has seen such a change in water quality.

Over the last 20 years, Lewiston alone has spent approximately \$36 million on its mitigation of its combined sewer outfalls (CSOs). The City has reduced its CSO discharges by 80% since 2000. 96% of combined sewers under our streets have been separated; a 0.3 million gallon tanks at Goff Brook, 1.3 million gallon tanks at Water Street, and 0.4 million gallon tank at Gully Brook were constructed. We have also instituted a program of inspecting and cleaning our sewers making them more efficient in transmitting water and waste. To date we have removed 1,223 tons of sediment choking the systems. All in all we have reduced our CSO outfall locations (where waste may enter a natural water body) from 37 to 8.

In our June submission we had planned to continue to implement separation projects in the Gully and Jepson Brook watersheds between 2019 and 2024. We would also focus on illicit discharges into the sewer system. These consist of private connections such as roof drains and sump pumps. This would have been at traditional funding levels of \$0.5 to 2M per year.

After submission, Maine DEP indicated they were looking for a more aggressive approach over the upcoming 5-years, as they have in other Maine Communities (ie. Bangor, Portland, and others). They were looking for ways to intercept and store large amounts of combined sewerage until after storms passed and then meter the water through the treatment plant a LAWPCA. We met with DEP on two occasions, but were not successful in continuing with the historic program. As I mentioned above this is consistent with what other large communities are being required to do in recent years. We have built three of these tanks in the city but, not on the scale being required by Maine DEP. We are preparing to submit a revised plan to Maine DEP of which approval is required prior to them reissuing our discharge permit at the end of the year. We are

proposing to allow us 3-years to reduce the flow from both communities, assess the apportionment of costs based on flow or other factors, complete final design, and secure funding. Under this scenario we are requesting we not begin construction until 2024 and have through 2026 to bring the tank online. The size of the tank is estimated to be 2.0 to 2.3 million gallons and the cost could be \$15 to 20 Million.

I have attached the Executive Summary from the original report and our amended plan to DEP for additional background. Jeff and I will develop a power point for presentation at the workshop.



Lewiston and Auburn, Maine

CLEAN WATER ACT MASTER PLAN UPDATE

City of Lewiston, Maine

Auburn Sewerage District

Lewiston-Auburn Water Pollution Control
Authority (LAWPCA)

June 2019

Tighe&Bond
Engineers | Environmental Specialists

215006002-09
June 28, 2019

Mr. Dale Doughty, PE
Director of Public Services
City of Lewiston
103 Adams Avenue
Lewiston, ME 04243-7250

Mr. Sid Hazelton, PE
District Engineer
Auburn Sewerage District
PO Box 414
Auburn, ME 04210

Mr. Clayton Richardson, PE
Superintendent
Lewiston Auburn Water Pollution Control Authority
PO Box 1928
Lewiston, ME 04241-1928

Re: **Clean Water Act Master Plan Update Report**

Dear Sirs:

Please find enclosed the Clean Water Act Master Plan (CWAMP) Update Report for submission to the Maine Department of Environmental Protection (MDEP).

We thank you for your assistance and input in the preparation of this report. We look forward to finalizing this report upon receipt of feedback from MDEP. Please feel free to contact me at (207) 232-6071 with any questions.

Very truly yours,

TIGHE & BOND, INC.



Daniel Bisson, PE, BCEE
Senior Project Manager

Copy: Kevin Gagne, City of Lewiston
Rick Burnham, City of Lewiston
Tiffany Labrie, Tighe & Bond

Travis Peaslee, LAWPCA
Jeff Beaulé, City of Lewiston

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Executive Summary

In 1992, the City of Lewiston, Auburn Sewerage District (ASD), and the Lewiston Auburn Water Pollution Control Authority (LAWPCA) initiated efforts to develop a plan to meet the requirements of the Clean Water Act (CWA) as it pertained to managing CSOs. The Clean Water Act Master Plan (CWAMP) was completed in 1998 and submitted to the Maine Department of Environmental Protection (MDEP). The proposed CWAMP included proposals for implementation of Best Management Practices, sewer separation with a one-year level of control using the established six-hour design storm as the basis of this assessment, and compliance monitoring over a 20-year period.

In May 2000, MDEP negotiated an agreement with Lewiston, LAWPCA, and ASD on the content and recommendations made in the Master Plan with a 15-year implementation period to control up to a 1-year design storm (as defined in the CWAMP) and a requirement to provide updates on the progress made every five years during the implementation period.

The first 5-year CWAMP Update for Lewiston, ASD, and LAWPCA was prepared by CDM Smith, and submitted to, and commented on, by the MDEP in 2005. MDEP subsequently provided final approval of the plan and an amendment which included a provision for Lewiston to modify the abatement approach for the CSO 004, 012 and 021 basins to storage. At the direction of the MDEP, Lewiston increased the size of the proposed Androscoggin Storage facility to provide up to a 6-month level of control from the originally proposed 3-month level of control.

In 2008, a Consent Agreement with LAWPCA was amended and subsequently closed. MDEP indicated in its correspondence that "the goal of the amendment was to close out the Consent Agreement and move the focus of controlling storm flows at LAWPCA to the CSO Master Plan." The Consent Agreement committed LAWPCA to include assessment of primary treatment needs at the treatment plant in the second 5-year update to the Master Plan. The second 5-year update is further referred to as the 10-year CWAMP update.

In accordance with requirements stipulated in the Consent Agreement and correspondence from the MDEP, the Clean Water Act Master Plan 10-Year Update prepared by CDM Smith included a temporary flow metering program, a comprehensive update of Lewiston's collection system model, analyses of the effectiveness of sewer separation and storage projects, and an assessment of primary treatment needs at the LAWPCA treatment plant. The final recommendations contained in the 10-Year Update included the following: Lewiston and ASD continue implementing sewer separation projects; ASD and Lewiston consider installing permanent flow meters at critical locations in the collection system; the collection system model be updated and further calibrated with additional metering data; a third (15-year) update report to be completed in 2015; and that Lewiston and ASD should continue with their BMPs, system evaluations, and improvements to reduce I/I in the collection systems.

In January 2015, the scope of work for the 15-year CWAMP update was submitted by Lewiston, ASD and LAWPCA and approved by the MDEP in an April 7, 2015 email. In accordance with requirements stipulated in the correspondence from the MDEP, the Clean Water Act Master Plan 15-Year Update prepared by CDM Smith included a temporary flow metering program, a comprehensive update of Lewiston's collection system model, and analyses of the effectiveness of sewer separation and storage basin projects. In January

2016, Maine DEP provided an official approval of the 2015 Update and implementation schedule.

In November 2015, MDEP issued Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0100994 and Maine Waste Discharge License (WDL) renewal for the City of Lewiston. As stated in the permit, "The permittee shall continue to work with the Auburn Sewerage District and the Lewiston-Auburn Water Pollution Control Authority (LAWPCA) to implement CSO control projects in accordance with the most currently approved CSO Master Plan and implementation schedule in a document entitled City of Lewiston, Maine, Auburn Sewerage District, and Lewiston Auburn Water Pollution Control Authority (LAWPCA), Clean Water Act Master Plan Fifteen Year Update, July 2015. By June 30, 2019, (PCS Code 06699) the permittee shall submit to the Department for review and approval an Updated CSO Master Plan and implementation schedule."

In April 2016, Maine DEP issued Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0101478 and Maine Waste Discharge License (WDL) renewal for LAWPCA requiring that an Updated CSO Master Plan be submitted by December 31, 2019.

In September 2016, Maine DEP issued Maine Pollution Discharge Elimination System (MEPDES) Permit #ME0100005 and Maine Waste Discharge License (WDL) renewal for Auburn Sewerage District requiring that an Updated CSO Master Plan be submitted by December 31, 2019.

This CSO Master Plan/CWAMP Update Report is a comprehensive study integrating several objectives to provide the City of Lewiston, LAWPCA, and ASD with an Updated CSO Master Plan and Implementation Schedule. The plan recommends appropriate, cost-effective solutions that maximize benefits to the receiving waters by reducing CSO volume.

Throughout the last two decades of the implementation period, significant progress has been made and all three entities are meeting the intent and expectations of the CWAMP to abate CSOs. This has been accomplished through collaboration and commitment to capital expenditures despite severe economic conditions from 2008 to 2013. The following Figure (Figure ES-1) demonstrates the trend in combined sewer overflows since 2000. Of particular interest is the overall (system-wide) trend which has dropped to nearly 10 percent of what it was for 2000.

City of Lewiston

Lewiston has reduced its total CSO discharges by more than 80 percent since 2000 based on 1-year design storm estimates. This significant reduction in CSO volume discharged can be largely attributed to Lewiston's sewer separation within the public streets/right-of-way dating back to the 1990s. While this method of separating the drain system from the sewer system is effective at reducing CSO flows, private sources of inflow may remain in the collection system. As of 2019, the City of Lewiston has completed public street sewer separation in 96% of the streets within Lewiston's combined sewer system.

Work has been completed to remove private inflow from the sewer system, especially in the Gully Brook area. In 2001, the City executed a house-to-house inspection program of approximately 300 houses in the Gully Brook area to identify private inflow connections. As of 2010, approximately 123 of the 137 confirmed private inflow sources in the Gully Brook area were removed from the sewer system. The City plans to continue to separate private inflow sources as they are identified during sewer separation designs and site plan reviews.

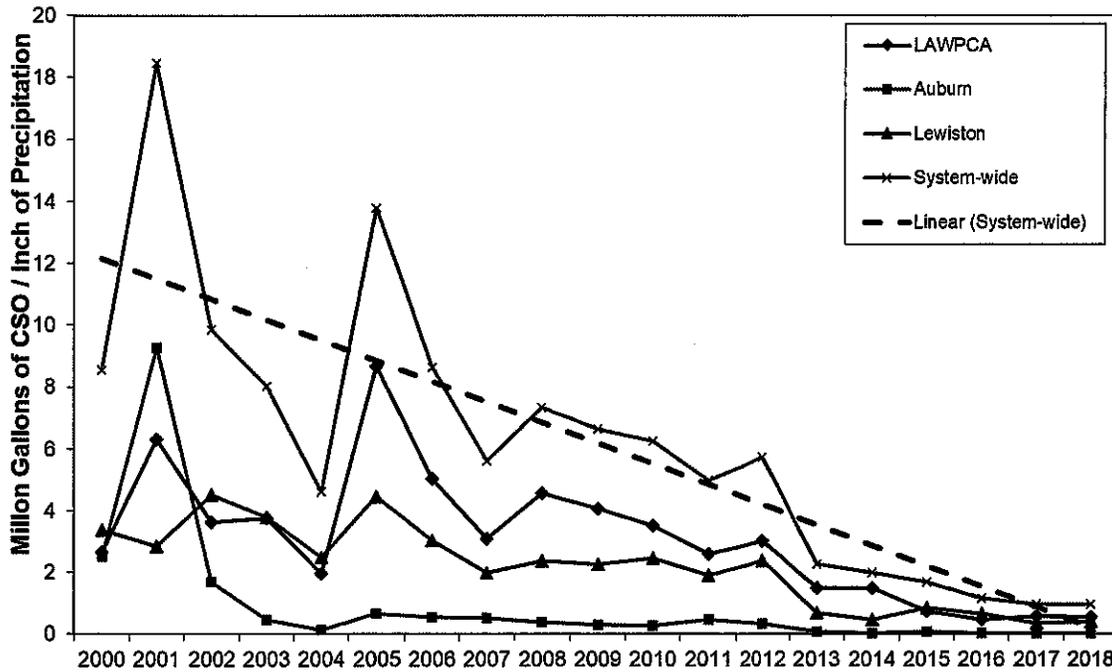
The City constructed a 0.3-million-gallon storage facility at Goff Brook that captures up to 271,000 gallons of overflow and has reduced discharges from CSO 015. This facility was designed to fill and drain by gravity so that no pumping is required. A constant flow regulator limits the effluent from the storage facility to a preset limit. The City has constructed similar storage facilities at the Water Street CSO (CSO 004; 1.3 MG) and, most recently, Gully Brook CSO (CSO 005D; 0.4 MG).

Lewiston has maximized its sewer system capacity by cleaning over a million linear feet of sewers and removing 1,223 tons of sediment since 2000. The City also continued with its sewer system evaluation program by initiating a TV inspection program, and as of 2019, Lewiston's entire collection system has been video inspected.

To date, Lewiston has closed 29 of the original 37 regulators, leaving 9 active regulators to 8 outfalls. The regulators divert high flows either to another drainage area or to an outfall. The outfalls are the outlets to the surface waters. The City has also been advancing its conditions assessment and asset management programs pertaining to stormwater and sewer collection systems to prioritize and implement system improvements. Through an adaptive management approach, the City is currently systematically evaluating how many additional regulators can be closed without causing undesirable consequences. As the performance of the collection system improves and CSO discharge frequencies decrease, the City will evaluate the feasibility of closing additional regulators while maintaining necessary hydraulic relief points where the integrity of the system would otherwise be compromised during extreme wet weather events.

Lewiston's planned improvements for 2019 through 2024 include completing additional targeted sewer separation projects, mainly aimed at reducing CSOs in Gully Brook and Jepson Brook. This includes disconnecting some catch basins from the sewer system, as well as removing some major private sources of inflow from the collection system. In addition, the City will continue its focus on I/I reduction programs in areas of the City with the highest levels of extraneous flow in the collection system. The City will also perform post-construction monitoring of its recently constructed storage facilities.

Figure ES-1
Annual CSO Volume Discharged per Inch of Precipitation



Auburn Sewerage District

ASD reduced its total CSO discharges at CSO 001 by more than 40 percent between 2000 and 2014 based on 1-year design storm estimates. ASD also closed six of the original eight CSO regulators. ASD intends to eliminate or close CSO #005 (Miller Street) by the end of 2022. At that time, CSO #001 will be the only remaining CSO in Auburn which will continue to serve the City as a hydraulic relief point during extreme wet weather events.

ASD’s planned improvements no longer include public street/right-of-way sewer separation since there are no remaining public streets in Auburn that require separation. However, private inflow and other extraneous flow sources remain in the collection system. ASD efforts are now focused on identifying and removing sources of Inflow and Infiltration (I/I) throughout the City.

ASD is committed to reducing wet weather flows in the collection system by directly targeting I/I sources. ASD will closely monitor any observed CSO discharges over the next 5 years. ASD is currently conducting a detailed drainage area study for drainage area 005 and fully expects to be able to curb its wet weather flows from CSO 005 by 2022 to allow for its elimination. In addition, ASD intends to reduce I/I such that they will achieve the 1-year level of control at CSO 001 in the next five years. If the 1-year level of control is not achieved, ASD has committed to designing and constructing in-line storage within its collection system to achieve the 1-year level of control at CSO 001.

LAWPCA

The total CSO discharge resulting from the 1-year design storm at Structure B has been reduced by more than 23 percent over the last five years. LAWPCA has also made improvements to the treatment plant to maximize capacity of the existing infrastructure and improve performance and operations of the plant and Structure B during wet weather events. This is evident by the overall trend exhibiting significant reductions in Structure B overflows since 2000.

LAWPCA continues to be an active partner in the CSO master planning process and will be an integral part of the detailed evaluation of potential storage sites that the entities intend to complete over the next five years. This evaluation will include the identification of viable sites and preliminary design of storage at Structure B. At this time, a storage volume of approximately 2.0 Million Gallons is expected to provide the 1-year level of control after both ASD and Lewiston complete their planned sewer separation and I/I reduction projects. As results from each city's progress is recognized, Lewiston, ASD, and LAWPCA will work together to plan, site and develop costs for improvements that will further control overflows from Structure B and Auburn CSO 001 including centralized or decentralized storage.

Table ES-1 summarizes current estimated costs for completion of the proposed improvements of the CWAMP.

Table ES-1
Estimated CWAMP Capital Improvements

Description	ASD (\$ Millions)	Lewiston (\$ Millions)	LAWPCA (\$ Millions)
Estimated Costs 2000	\$18.44	\$26.22	\$1.45
Amount Spent to Date	\$20.02	\$30.63	\$1.50
Costs 2015 - 2018	\$1.73	\$4.08	\$1.71
Total Costs to Date*	\$21.75	\$34.71	\$3.21

*Costs shown are as reported annually (not adjusted for present worth).

The Major Conclusions of the this CWAMP Update report are:

- To date, Lewiston, ASD, and LAWPCA have been diligently completing recommended plans to control CSO discharges to the Androscoggin River. The significant reduction in CSO volume discharged can be largely attributed to both Lewiston's and ASD's commitment to upgrading the sewer system via separation efforts within the public streets/right-of-way. While this method of separating the stormwater system from the sewer system is effective at reducing CSO flows, it does not address private inflow and other extraneous flow sources that are present in the collection system. ASD has completed its public street separation efforts, and Lewiston will complete some additional targeted sewer separation projects in 2019 - 2021.

- Based on the analyses in this CWAMP update, CSOs caused by wet weather events up to and including the 1-year design storm can be controlled throughout the systems by utilizing a combination of separation within the public streets, I/I removal, and storage.
- The assessment at LAWPCA, as part of this CWAMP Update, has included conceptual level cost estimates for abatement of overflows at Structure B caused by wet weather flows up to and including the 1-year storm event. At this time, the model predicts that a storage volume of approximately 2 million gallons at LAWPCA will achieve the 1-year storm level of control for Structure B. Recent storm events have seen greatly reduced flows from the City of Lewiston and when coupled with flow reductions from Auburn, it is very difficult at this time to estimate what volume will be required to contain the 1-year design storm after both ASD and Lewiston complete sewer separation and I/I reduction projects in the combined areas. Therefore, the cities and LAWPCA intend to perform a detailed evaluation of storage at Structure B in the next five years, concurrent with a detailed site evaluation.

The recommendations of this Clean Water Act Master Plan Update move Lewiston, ASD, and LAWPCA towards complete control of sewer flows up to the 1-year level of control are proposed as follows:

- Based on the original intent of the CWAMP and review of the progress to date as part of the CWAMP updates, Lewiston and ASD will continue to complete their planned sewer separation and I/I reduction efforts.
- Lewiston, ASD, and LAWPCA will work together to plan for improvements that will further control overflows from Structure B and Auburn CSO 001 in a cooperative manner. All three entities will look at the Structure B storage option presented in this report in conjunction with other potentially cost-effective solutions in the two cities that could have the secondary benefit of reducing flows to Structure B.
- Lewiston and ASD should continue with their Best Management Practices (BMPs), system evaluations and improvements to reduce I/I to the system in the separated sewer systems. Additionally, opportunities to incorporate green technologies to reduce storm water entering the combined sewer system should be evaluated and incorporated, where appropriate, into the final sewer separation program to help optimize collection system capacities and downstream facilities.
- Work will continue on projects for the next 5-year period in both Lewiston and Auburn. The attached Clean Water Act Master Plan Update provides more details on rigorous efforts (both past and planned) to achieve further reduction in CSOs and improvement of water quality. These efforts require a significant financial commitment, which both cities and LAWPCA are making.
- Finally, the three entities involved in this CWAMP have committed to arriving at the optimum collaborative solution that is fair and equitable for each entity and its rate-payers. Therefore, while significant progress has been made toward improving the water quality of the Androscoggin River through CSO abatement over the past nineteen years, these final steps toward achievement of the 1-year

level of control system-wide will require careful planning. The three entities have again made the commitment to continue the collaboration which is critical to finalizing the goals of the CWAMP while prudently applying the limited available capital resources.

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Tighe&Bond

CONTENTS



September 3, 2020

Mr. Michael Riley, P.E.
CSO Coordinator
Division of Water Quality Management
Bureau of Land and Water Quality
Department of Environmental Protection
State House Station 17
Augusta, ME 04333

DRAFT

Subject: Addendum to June 2019 Clean Water Act Master Plan Update

Dear Mr. Riley:

The City of Lewiston Public Works (LPW), Auburn Sewer District (ASD), and the Lewiston-Auburn Water Pollution Control Authority (LAWPCA) are pleased to submit this addendum to its June 2019 Clean Water Act Master Plan Update report. This addendum provides updates regarding each community's planned combined sewer overflow (CSO) abatement projects and presents an updated Implementation Plan for the next five years.

Updates to Planned CSO Abatement Work

While Section 6 of the June 2019 Clean Water Act Master Plan Update report outlines CSO abatement work planned for the next five years in each community, this addendum describes additional findings and plans for work since the writing of the report. In addition, both communities have revised their planned CSO abatement improvements over the course of the last year in light of both budget impacts experienced as a result of the COVID-19 pandemic, as well as more recent conversations among the parties relative to future construction of a CSO storage tank at Structure B. Both communities have agreed that construction of a CSO storage tank at Structure B is necessary to achieve the 1-year level of control at this diversion structure and in the collective Lewiston-Auburn system. In recognition of this, and recent budget cuts, both communities revisited their plans for system improvements planned for the next five years in an effort to choose projects that not only increase the level of control at each CSO but that would also optimize the volume of the storage tank at Structure B.

Auburn Sewerage District

Section 6.3 of the June 2019 Clean Water Act Master Plan Update report outlines continued progress toward reduction of its CSO discharges that ASD plans to make for the next five-year period from 2020 to 2024. As part of the study that ASD initiated in February 2019 to evaluate the hydraulic, capacity, and infiltration/inflow extraneous flow issues within its collection system, they recently discovered a substantial source of inflow.

The ASD recently discovered that the Edward Little High School roof drain system and interior courtyard is connected to the sanitary sewer system. The roof and courtyard represent 120,000 square feet of impervious area, which contributes stormwater runoff to the sewer system just downstream of CSO #005. Based on ongoing study of the collection system, ASD believes these flows reduce the available capacity within the interceptor, causing surcharging and contributing to CSO #005 overflows. ASD plans to require removal of the inflow from the High School as part of construction of a new high school, design for which is currently underway. Construction of the new High School is scheduled to be completed in the fall of 2023. ASD expects that elimination of this inflow source will significantly reduce stormwater surges in the sanitary sewer system.

In addition to reducing flows from extraneous sources in the collection system, ASD is on schedule to complete abandonment of CSO #005 by December 31, 2021.

ASD believes its efforts will result in meeting the goal of containing the one-year storm within its sanitary sewer collection system by 2024, eliminating CSO discharges within its city limits. If the ASD finds through continued CSO and collection system monitoring that it is not able to attain this goal, they plan to consider in-line storage facilities in Auburn. This will be in addition to working with the City of Lewiston and LAWPCA to design and construct a storage facility at Structure B.

City of Lewiston Public Works

Section 6.2 of the June 2019 Clean Water Act Master Plan Update report outlines continued progress toward reduction of its CSO discharges that LPW plans to make for the next five-year period from 2020 to 2024. As previously mentioned in this section and as shown in Figure 6-1 of the June 2019 report, LPW was proceeding toward construction of the Ames Avenue Separation project in CY2020; however, difficulties in obtaining the necessary easements for this project have caused LPW to consider construction of an infiltration basin in this area instead. This construction will now occur in 2021.

In CY2021, LPW will continue with sewer separation in Jepson Brook and the CSO 005C sewersheds. This work will include construction of 1,050 linear feet of new pipe, as well as green infrastructure and stormwater detention areas, at an estimated construction cost of \$450,000. In CY2022, LPW will install approximately 1,420 linear feet of new pipe in the Pine Street, Howe Street, and Bates Street areas at a cost of approximately \$497,000. In CY2023, LPW plans to execute a sewer separation project in the Whipple Street neighborhood, upstream of the existing CSO 004 tank, that would include the installation of 2,200 linear feet of new pipe at an estimated construction cost of \$1,000,000.

In addition to the capital projects listed above, LPW intends to continue spending approximately \$1.1 million per year on sewer rehabilitation and other infiltration and inflow (I/I) reduction projects over the course of this five-year period. Continuing efforts include pipeline condition assessments, illicit source detection, and CSO overflow flow metering.

Revisions to Proposed Implementation Plan

As described above, ASD, LPW and LAWPCA have all agreed that construction of a CSO storage tank at Structure B is the optimal means for achievement of 1-year level of control at Structure B. In light of the revisions to each community's plans for the next six years, we have included a revised Implementation Plan, shown in Figure 8-1A below. This Implementation Plan reflects the need to begin site evaluations and study phase work associated with the Structure B CSO storage tank earlier than proposed in the June 2019 report. The entities are proposing that rather than simply beginning a site evaluation and study phase for sizing of a proposed CSO storage facility at Structure B in the next five years, that they instead work toward completing construction of the storage facility in the next six years. The storage facility will be located at the LAWPCA treatment plant or on a nearby, upstream site.

To advance toward construction of a storage facility at the Structure B CSO within the next six years, the entities agreed that some preliminary study work was necessary in the near-term. First, with Lewiston's existing CSO storage facilities, they have learned that performing due diligence planning including site evaluation, selection, land acquisition and conceptual design is critical to keeping the overall project cost of the facility on schedule and within allocated budget. The site evaluation and conceptual design will consider system hydraulics, facility sizing, geotechnical explorations, constructability, and environmental and permitting issues for each potential site. The entities have estimated spending approximately 21 months performing the conceptual design and site evaluation.

In addition to the conceptual design and site evaluation, the entities have agreed to undertake a cost apportionment study. LAWPCA is currently soliciting proposals from engineering firms for this cost apportionment study, which will provide a fair and equitable method to determine each entity's contribution to the design, construction, and operation of the Structure B storage facility. The scope of the study includes review of past cost apportionment studies performed for LPW, ASD, and LAWPCA; review of existing CSO data; and development of a recommendation for a fair and equitable cost share formula for costs to be split between LPW and ASD for the preliminary design, design, permitting, construction, and operation and maintenance of the Structure B CSO storage facility.

Following an approximately nine-month period to perform a conceptual design and site evaluation, as well as the cost apportionment study, the entities have estimated a two-year timeframe to complete the final design of the Structure B storage facility, as well as a two-year timeframe for construction. In addition to the need to perform an initial study phase, the entities have estimated that they need the next two to three years to generate sufficient funds for the construction of the storage facility. The entities plan to optimize their sewer separation and I/I reduction projects over the next two to three years such that CSO abatement continues while the communities also gradually generate the funds needed for construction. Given the dependence on funding of the Implementation Plan schedule shown in Figure 8-1A, it is possible that the entities could advance the construction of this facility earlier than planned if funds became available through a stimulus, or similar, program.

Sincerely,

DRAFT

Dale Doughty, C.G.
Director,
Department of Public Works
City of Lewiston

Sid Hazelton, PE
Superintendent
Auburn Sewerage District

Travis Peaslee
Interim Superintendent
Lewiston Auburn Water Pollution Control Authority

Enclosures

Copy: Kevin Gagne, PE, City of Lewiston
Jeff Beaulé, PE, City of Lewiston
Michael Broadbent, Auburn Sewerage District
Daniel Bisson, PE, Tighe & Bond
Tiffany Labrie, PE, Tighe & Bond
John True, PE, Maine DEP
Stuart Rose, Maine DEP
Brandy Piers, PE, Maine DEP

LEWISTON CITY COUNCIL
MEETING OF SEPTEMBER 22, 2020

AGENDA INFORMATION SHEET:

AGENDA ITEM NO. ES-1

SUBJECT:

Executive Session to discuss labor negotiations regarding the International Association of Firefighters, Local 785.

INFORMATION:

The Maine State Statutes, Title 1, section 405, define the permissible grounds and subject matters of executive sessions for public meetings.

APPROVAL AND/OR COMMENTS OF CITY ADMINISTRATOR:

The City Administrator recommends approval of the requested action.

DAD/kmm

REQUESTED ACTION:

1	2	3	4	5	6	7	M
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To enter into an Executive Session pursuant to MRSA Title 1, section 405 (6) (D) to discuss Labor Negotiations regarding the International Association of Firefighters, Local 785.