



<b>Date:</b>	June 16, 2020	<b>File No.:</b>	20132344.00.A.04.01
<b>Time:</b>	10:00 a.m. - 12:00 p.m.	<b>Location:</b>	Virtual; Go-To Meetings
<b>Client:</b>	City of Port Alberni	<b>Project Name:</b>	Combined Stage 2/3 LWMP
<b>Subject:</b>	Plan Monitoring Committee Meeting # 2	<b>Project No.:</b>	2013-2344
<b>Attendees:</b>	Tim Pley - City Ken Watson - City Clinton Wright - City Alicia Puusepp - City	Tom Robinson - AE Michal Simhon - AE Hugh Hamilton - AE Sylvia Woolley - AE	Members of the Plan Monitoring Committee

This Record of Meeting is considered to be complete and correct. Please advise the writer within one week of any errors or omissions, otherwise this Record of Meeting will be considered to be an accurate record of the discussions.

**Action by**

**Discussion:**

**1 INTRODUCTIONS**

Info

Members that participated in the meeting include:

- Risk Avis - Somass Estuary Management Committee
- Mike Carter - Director of Operations, Port Alberni Port Authority
- Larry Cross - Manager, Environment, Catalyst Paper
- Brad West - Principal, McGill and Associates

Regrets:

- Jenny Brunn - Manager of Operations, Regional District of Alberni-Clayoquot
- Phil Edgell - President, Alberni Valley Enhancement Association
- Brandy Lauder - Councillor and Natural Resources Department, Hupacasath First Nation
- Darrell Ross - Manager of Natural Resources, Tseshah First Nation
- Ken Watts - Councillor, Tseshah First Nation

Acronyms

- BC MOE = BC Ministry of Environment
- BOD = Biochemical Oxygen Demand
- CSO = Combined Sewer Overflows
- LWMP = Liquid Waste Management Plan
- PMC = Plan Monitoring Committee
- TSS = Total Suspended Solids
- WWTF = Wastewater Treatment Facility

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**2 OBJECTIVES**

Info

The Overall, high-level objective of the PMC committee was to:

1. Provide input and support into the City's commitment as part of the LWMP process. For the purpose of this PMC meeting, the subject of discussion pertains to the LWMP Implementation and Monitoring Plans.

**3 IMPLEMENTATION PLAN**

Info

The Implementation Plan was presented and discussed:

1. Wastewater Treatment – Commissioning of the upgraded WWTF (as part of the current construction project).
2. Wastewater Treatment – Decommissioning of the Old City Lagoon.
3. Source Control and Volume Reduction – Updating Bylaw 3224 to conform with Best Practices of other municipalities in BC.
4. Combined Sewer Overflows (CSO) and Inflow and Infiltration – Reinstatement of the CSO Monitoring Program to monitor the volume of CSOs events.
5. Combined Sewer Overflows – Continued Separation of Storm and Sanitary Sewers
  - a. Ken Watson asked for clarity on the \$6.5 million dollar figure presented in the table.
  - b. Sylvia Woolley clarified that this value was the amount allocated in the City's budget for the next five years, and does not represent the cost to separate the entire combined system or eliminate the CSOs. This value would be updated at the Five-Year Review stage.
  - c. Ken Watson suggested that a high-level estimate be provided for separating the entire system (i.e. a cost estimate based on a dollar value per linear length of pipe).
6. Resource Recovery & Sustainability – Beneficial reuse of dewatered solids from the Old City Lagoon once the lagoon is dredged. As previously done, the biosolids could be composted with woodchips and applied as cover material at the Landfill.
7. Resource Recovery & Sustainability – Lagoon restoration and rehabilitation
  - a. Rick Avis asked whether keeping the Old City Lagoon as a freshwater pond/source was an option for restoration. He suggested this would maintain habitat for birds, and that this could be the "lower carbon" option from a construction standpoint, as it does not involve as much equipment and construction works as restoration efforts.
  - b. Hugh Hamilton replied that the original intent was to develop high level concepts, and that some version of that could be considered during further development of the Restoration Plan.
  - c. Tom Robinson asked whether or not it would be straightforward to source fresh water for this system. It may be challenging to keep a freshwater pond as a passive system, especially during the hot summer months.
  - d. Michal Simhon added that at this would definitely be something that could be reviewed at a later stage, when the Restoration Plan is further refined.
8. Urban Stormwater – Creation of an Urban Stormwater Management Plan.
9. Monitoring - Post-Discharge Monitoring.

AE to incorporate  
and update into  
LWMP

AE to clarify in  
LWMP

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AE to clarify cost estimate in LWMP

- a. Ken Watson commented that the yearly allowance for Post-Discharge Monitoring appeared to be low. Ken suggested that the cost associated with this commitment include the cost for City crew and staff spent on this...
- b. Tom Robinson indicated that was partially intentional. AE assumed that the sampling work could be largely undertaken by City crews. The benthic sampling would be the most expensive aspect, but this component could potentially be decreased to once every three or five years.

10. Monitoring - Data monitoring and reporting to regulatory bodies.

11. Monitoring - Review and updating LWMP.

#### 4 MONITORING PLAN

Info

Monitoring through Data Collection

##### 1. Receiving Environment Monitoring (Post-Discharge Monitoring)

- Operational Quarterly Sampling.
  - 7 monitoring sites within the Alberni Inlet: 5 "downstream" and 2 reference sites.
  - 3 groundwater sites (drive-point piezometers) around the lagoon, to monitor seepage that may occur through lagoon bottom. Additional measurements of DO in tidal channels close to lagoon.
  - Information/resource sharing with Catalyst & DFO Programs.
  - Regular reporting to MoE & PMC.
- a. Ken Watson Would it be recommended for pre-discharge monitoring to take place on the three ground water sites to develop a base-line pre-commissioning? What parameters would indicate that seepage is occurring?
  - b. Hugh Hamilton: Yes, that would be a good idea. In terms of parameters, would need to think carefully about it. There could be residual compounds from previous Catalyst Paper operation, so there may be some collaboration warranted.
  - c. Tom Robinson: Monitoring would happen quarterly. We would be sampling for same parameters as the effluent, BOD, TSS, nitrate, ammonia, etc.
  - d. Hugh Hamilton: We can look into potential "fingerprint" compounds in the water to assess source (e.g. natural, municipal, or industrial). Low cost examples include ratios (C:N, N:P, etc.)

Info

##### 2. Collection System Monitoring

CSO monitoring program to better quantify the flows through the City's active CSOs.

- a. Ken Watson added that CSOs will gradually be reduced in both frequency and volume until they are eventually eliminated.

##### 3. Wastewater Treatment Plant Monitoring including the following:

- WWTF influent flow data, from six new flowmeters (from four force mains and two gravity lines).
- "End-of-Pipe" final effluent quantity and quality data (as required by regulatory agencies).
- Daily treatment plant operational monitoring throughout the wastewater treatment facility to evaluate the effectiveness of the treatment.

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- a. Ken Watson asked whether having influent quality data would provide value. There are plans to put sampling spigots on each influent line before the junction box.
- b. Michal Simhon commented that being able to sample the different influent lines could certainly help understand the different catchment areas and wastewater sources, in the event that abnormal concentrations of a certain contaminant are entering the system. Adding spigots now is relatively straightforward, and would be easier than adding after construction. For the four force mains, samples could also be retrieved directly from the pump stations. Of greatest interest would likely be the gravity leachate line from the landfill.
- c. Tom Robinson added that these spigots would need to be maintained to some degree, and protected from being frozen.
- d. Sylvia Woolley mentioned that Jenny Brunn had commented at PMC Meeting 1 that leachate effluent is being sampled for quality at the landfill.
- e. Clinton Wright expressed that he feels that there should be more discussion internally on how operations will be managed once the WWTF is commissioned. It does sound like there will be more responsibility and the City may need to consider hiring additional staff with the appropriate qualifications.

City to discuss  
internally

Info

4. **PMC Monitoring**  
The Preliminary PMC Schedule provided in Monitoring Plan was reviewed. The schedule includes Quarterly Meetings in the first year of commissioning of the WWTF, and annual meetings thereafter, until the Five-Year Review Stage. An on-site tour is proposed during the first Spring or Summer Meeting.
  - a. Ken Watson inquired whether a tour may be better suited earlier on to align with Commissioning of the Facility.
  - b. Michal Simhon commented that the Tour was planned to align it with the first PMC meeting Post-Discharge. However, there can be more than one tour, if there was interest within the PMC.
  - c. Ken Watson was in support of holding multiple tours, for anyone on the PMC that may be interested.

AE to update the  
LWMP Report

## 5 PUBLIC CONSULTATION ACTIVITIES

Info

- Will launch tomorrow, June 17 and run for two weeks until June 30, 2020.
- Will be hosted using Bang the Table software on the City's Let's Connect Platform.
- Campaign is being advertised on radio, newspaper and social media.
- The campaign includes a Community Survey which touches on the different LWMP components and allows an opportunity for public to provide feedback.
- Reference Materials will be included to help educate the public:
  - Project timeline
  - Fact Sheets
  - Glossary

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- a. Michal Simhon added that AE encourages all members of the PMC to encourage members of the community to go to the website, and fill out the survey.
- b. Tom Robinson echoed the previous statement, and noted the importance of being able to show the BC MOE how the community was engaged and able to provide input.

- Post Meeting Note: You can visit the website and complete the survey at the following link: [www.letsconnectpa.ca/WWTP](http://www.letsconnectpa.ca/WWTP).

## 6 NEXT STEPS

Info

The Next Steps for the Combined Stage 2 /3 LWMP were reviewed. These are summarized as:

- Consultation with Tseshaht
- Consultation with Hupacasath
- Public Consultation
- Incorporate Feedback from PMC and Public
- Complete Stage 2 / 3 LWMP Report

AE to send request

PMC Support of the LWMP: AE committed to sending out an email to all members of the PMC to provide a means for members to show support and provide comments and feedbacks for the Implementation and Monitoring Plans.

Prepared by:



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Wastewater Engineer

SW/lp