



Gold Bar Wastewater Treatment Plant - Update

2020 Year in Review

- 99.4% scrubber up time and continued downward trend in odour results.
- Creation and adoption of Architectural Guidelines and a Landscaping Master Plan.
- Improvements made for safety of pedestrians on site.
- Continued rehabilitation of diversion structures and construction of the above-ground Pipe Rack Project within our existing fenceline.
- Odour project completed in screening.

Community Engagement

- Moved CLC to an online platform in 2020.
- Held a virtual open house in September. Participants could review project information and provide feedback online or join facilitated discussions.
- Three CLC meetings planned for 2021.
- Currently planning on hosting a virtual open house in November of this year.



Craig Bonneville
Director, Edmonton
Wastewater Treatment Plant

A NOTE FROM CRAIG

At this time of year we would like to take a moment to not only say Happy New Year but to also reflect on the past 12 months - what a challenging year it was. We sincerely hope everyone is doing well and keeping safe during these difficult times.

2020 was a busy time for us at the Gold Bar Wastewater Treatment Plant (GBWWTP). Here are some of the accomplishments we achieved over the past year:

EPCOR's engagement activities serve as an important connection to the community and allows us to incorporate valuable public feedback and input into our plans for 1 GBWWTP.

We appreciated your continued involvement, commitment and adaptability as we transitioned our consultation and engagement activities to an online format.

LOOKING FORWARD IN 2021

We're already into 2021 and it's going to be a busy year again at the facility. Here is a high-level summary of work we currently have planned:



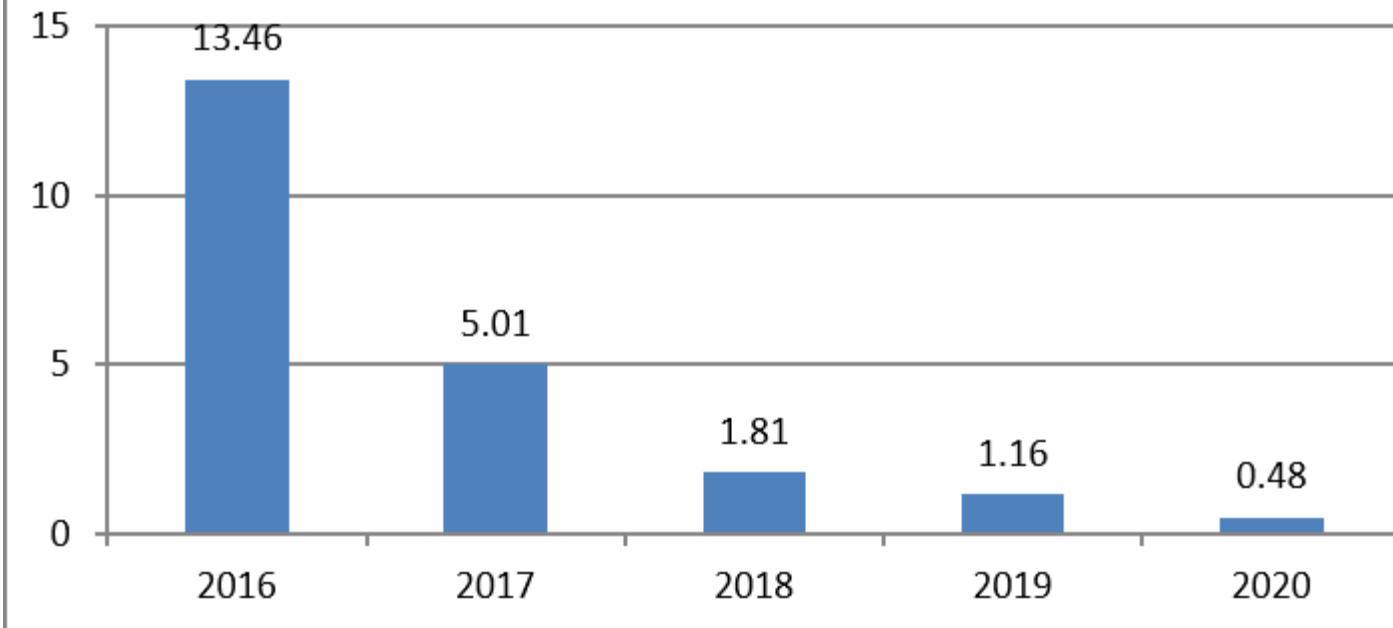
Odour Update

Spot Monitoring Locations



Fenceline Monitoring

Gold Bar Fence Line H₂S Monitoring
(Annual Average of All Spot Samples, in parts per billion)



Upcoming Odour Related Activities

- Spring snow melt and start of rainy weather tends to “flush” the collection system, which can lead to short term odours.
- Inspections and maintenance activities planned throughout the year. Tanks will be thinned, drained, and thoroughly washed.
- \$6 million planned over the next three years to reduce odours at front end of the plant.

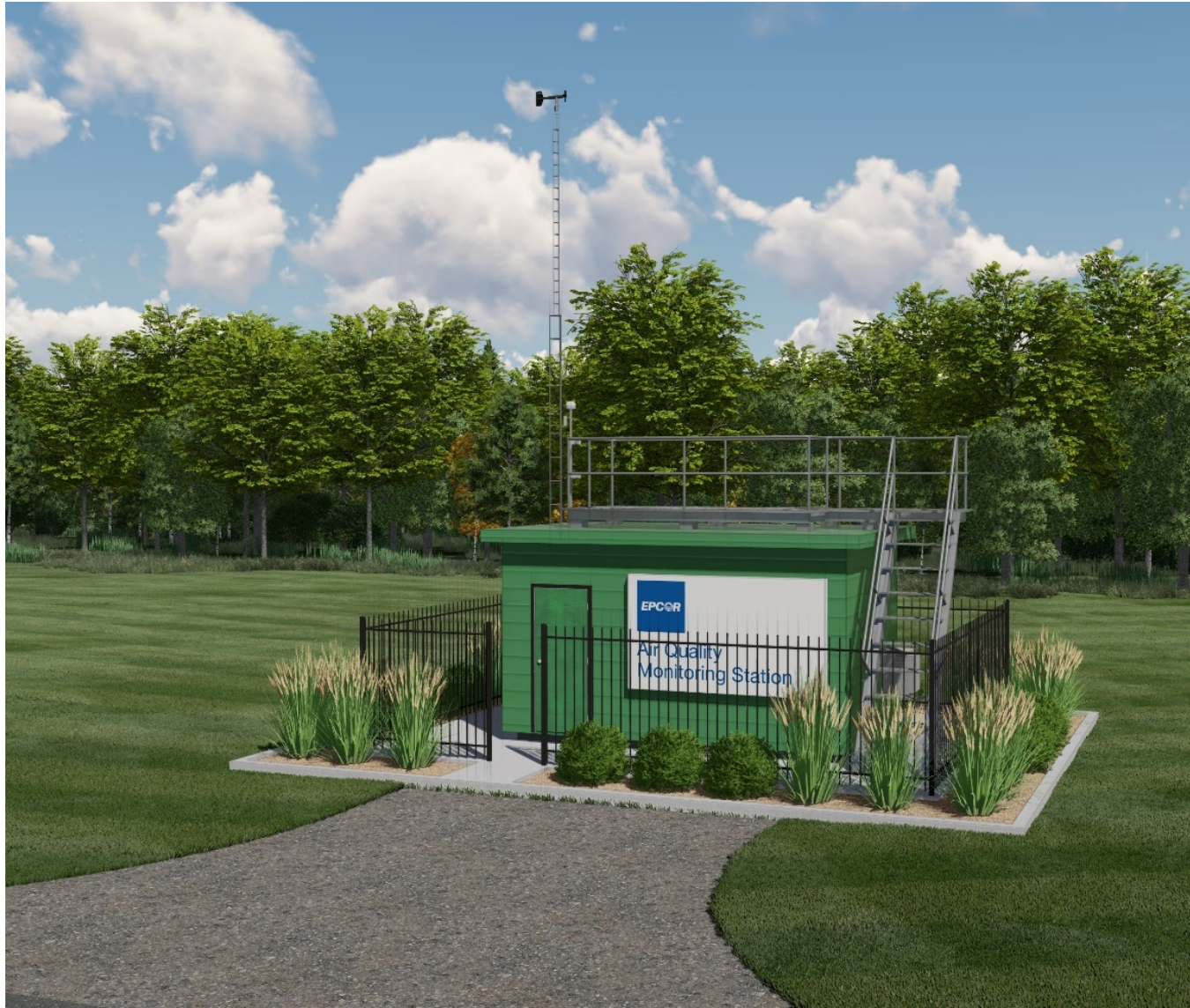


Capital Plans at GBWWTP

2021 Major Capital Works



Ambient Air Quality Monitoring Station









Renewable Natural Gas

FUTURE BIOGAS SITE PLAN



LEGEND

-  Compressors
-  Flares
-  RNG
-  ATCO injection facility and buried injection line
-  Above ground pipe rack
-  Existing underground ATCO gas line



Siteplan of the Renewable Natural Gas project

Operations Centre Renderings

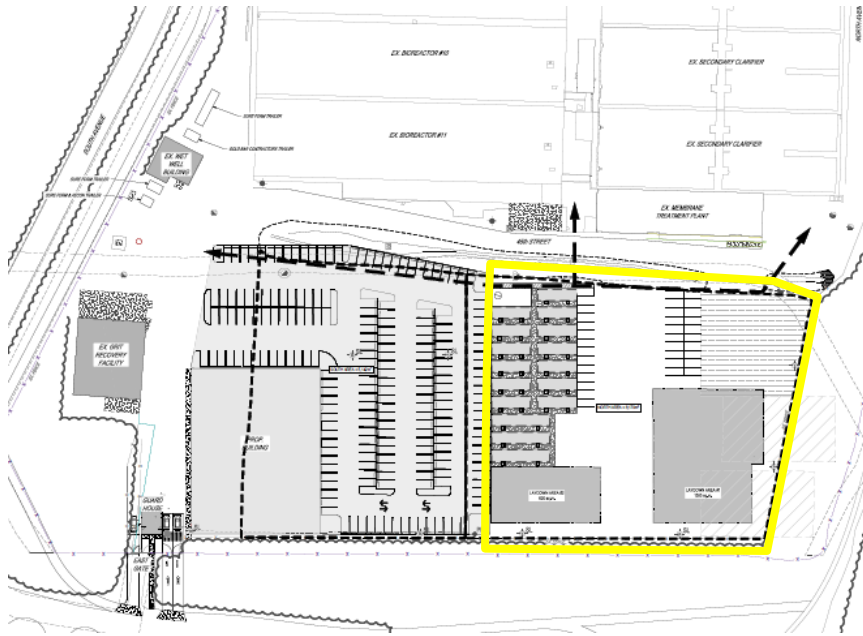


GOLD BAR WASTEWATER TREATMENT PLANT-CENTRE OF EXCELLENCE RENOVATION

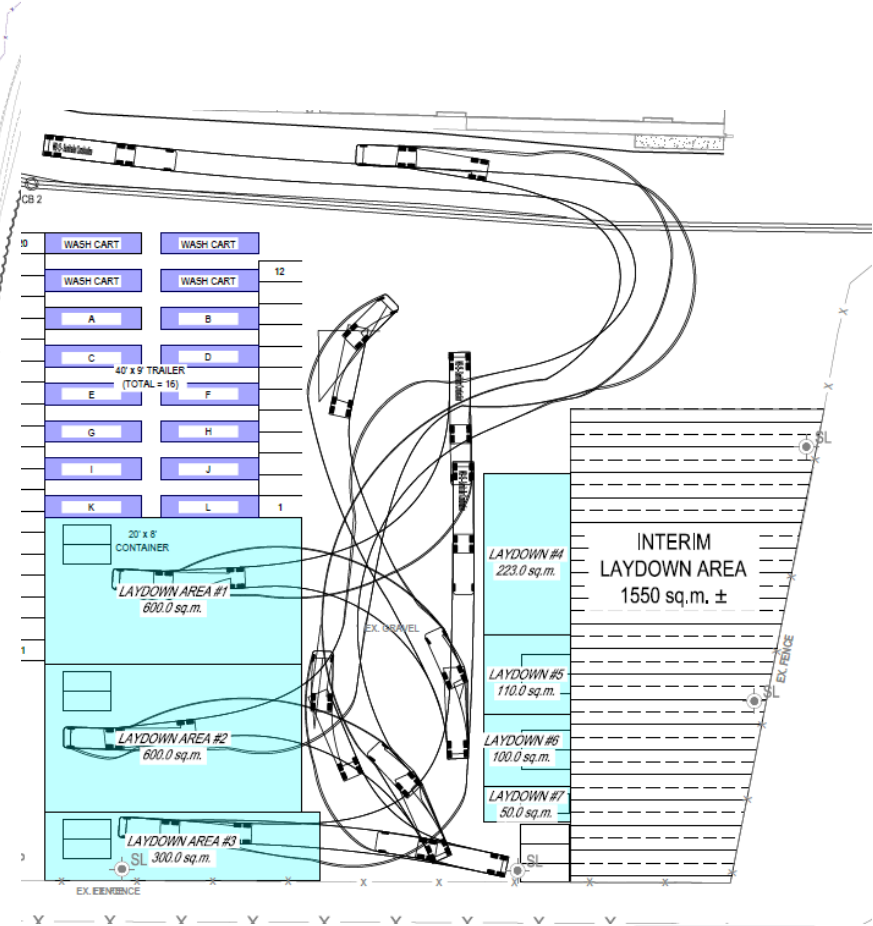


BIRD'S EYE VIEW

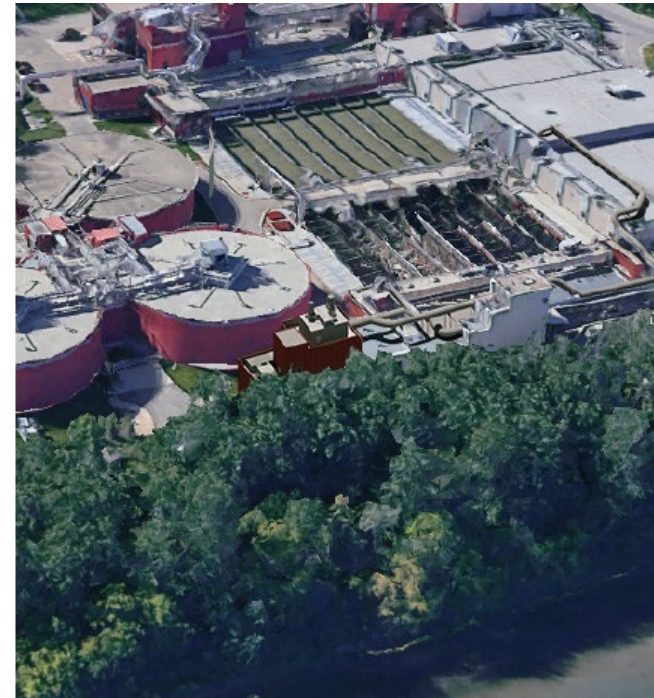
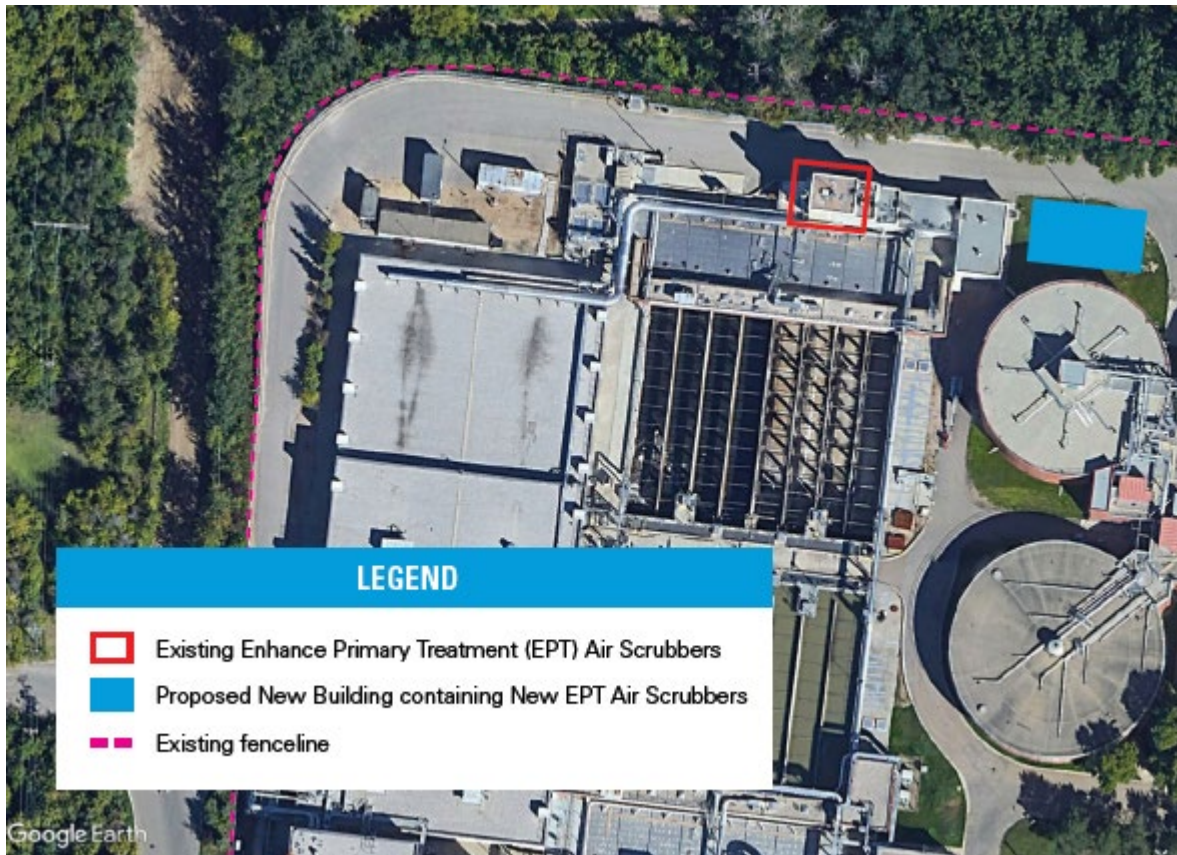
Contractor Facilities



**FUTURE
CONCEPT**



Enhanced Primary Treatment - Scrubbers





Regional Wastewater Planning

Regional Wastewater Planning

- COE held an online engagement session on November 10, 2020.
- The COE gathered feedback on how decisions related to the construction of the deepest and largest sanitary sewer tunnels to accommodate growth in Edmonton are made and shared.
- City Administration will be making recommendations to Executive Committee on April 12, 2021. We encourage those with feedback to register to participate in the process.
- EPCOR has been supporting the COE in this process.
- Additional information can be found on the COE's website.



CLC Communications Discussion