



# **Environmental Assessment Process**

## **Draft Environment Assessment Study Report (EASR)**

**Waste Management Working Group**

**March 16, 2021**

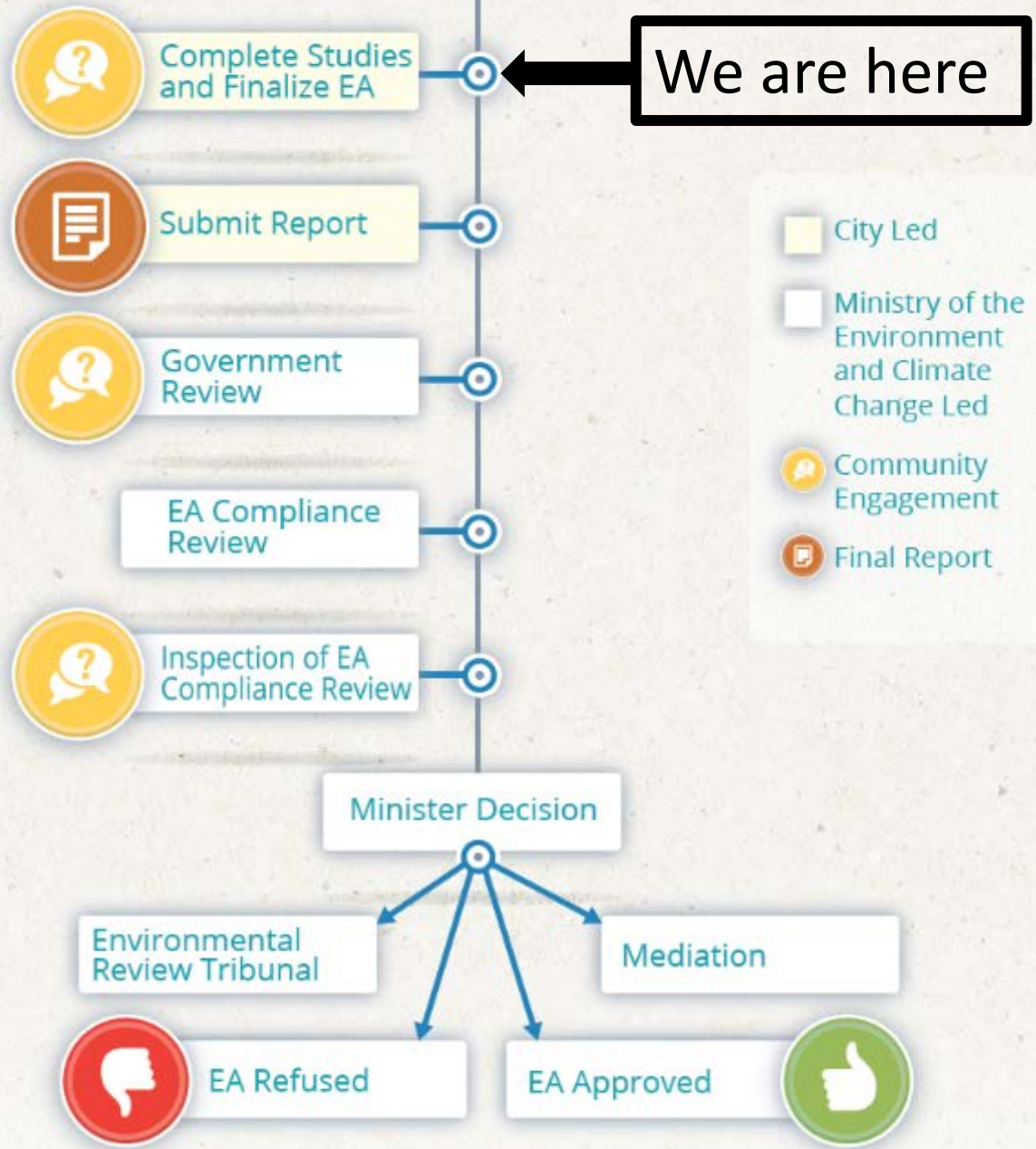
# Terms of Reference Process (ToR)



# Environmental Assessment Process (EA)



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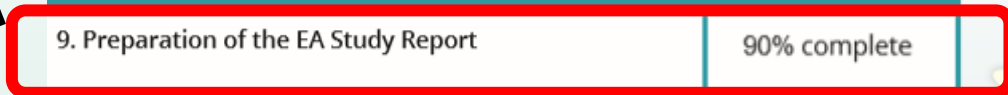




# Complete Studies & Finalize EA

Steps	Status
1. Characterize the existing environmental conditions	Complete
<b>Work Plans online for review and comment Indigenous community review</b>	
2. Identify the alternatives for landfill expansion (and incorporate conceptual design mitigation measures)	Complete
3. Evaluation of alternatives	Complete
4. Comparison of the alternatives for landfill expansion for each component of the environment and then identify the overall preferred alternative for landfill expansion	Complete
<b>Open House #3 – February 26 &amp; 27, 2020</b>	
5. Refine the mitigation measures and determine the net effects on the environment of the preferred alternative for landfill expansion	Complete
6. Describe the preferred alternative for landfill expansion	Complete
7. Consideration of climate change	Complete
8. Cumulative impact assessment	Complete
<b>Open House #4 – Fall 2020 Indigenous community review</b>	
9. Preparation of the EA Study Report	90% complete

We are here



**Various opportunities will be available to comment on the EA Study Report through the City and the Ministry of Environment, Conservation and Parks (MECP)**



**Website**  
getinvolved.london.ca



**Meetings**  
W12A Landfill PLC, Waste Management CLC, Waste Management Working Group



**Meet with residents**  
(If requested)





# Key Comments from Open House

- Potential for odours to travel further
- Increased winds at cemetery (Desktop analysis completed)
- Impact on wireless internet (CEMMP)
- Groundwater quality concerns
- Potential visual impacts (CEMMP)
- Nuisance wildlife (CEMMP)
- Need to limit waste from outside London
- Need sunset clause

New actions  
as a result of  
comments in  
green





# MECP Comments - Review of Preliminary Draft EASR

- Completed by MECP EA Project Coordinator
- Comments provided in Consultation Record (Volume 5)
  - 17 comments in total
  - Majority were minor requests to add additional details
  - Recommended including amending procedures (allows for minor changes to undertaking after EA approved)



# Key Commitments

## Protection of Species at Risk

- Develop an Environmental Mitigation and Monitoring Plan
- Prepare and implement a SAR and Wildlife Observation Protocol to outline the steps to take in the event of an encounter with wildlife, including SAR, during the construction stage.
- Consult MECP to determine appropriate compensation for habitat loss of SAR grassland birds.
- Progressively re-vegetate the landfill with native plant species.

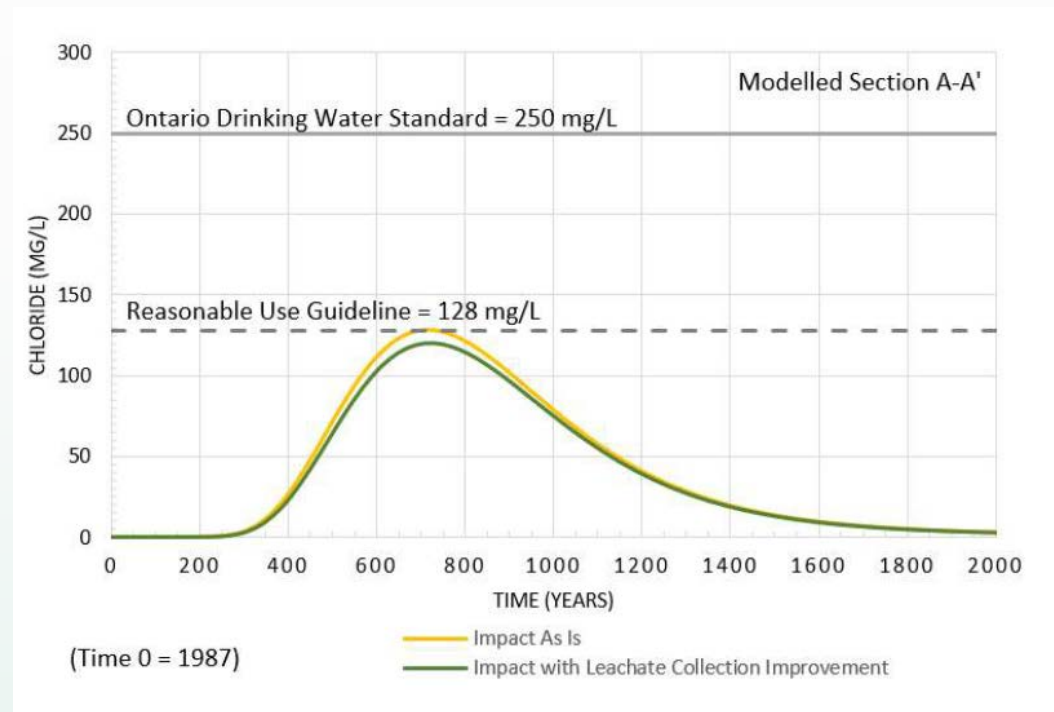




# Key Commitments

## Groundwater Protection Measures

- Incorporate additional leachate collection measures into the landfill design.
- Estimated cost of approximately \$5 million
- Proposed additional measures will also result in improved landfill gas capture.







# Key Commitments

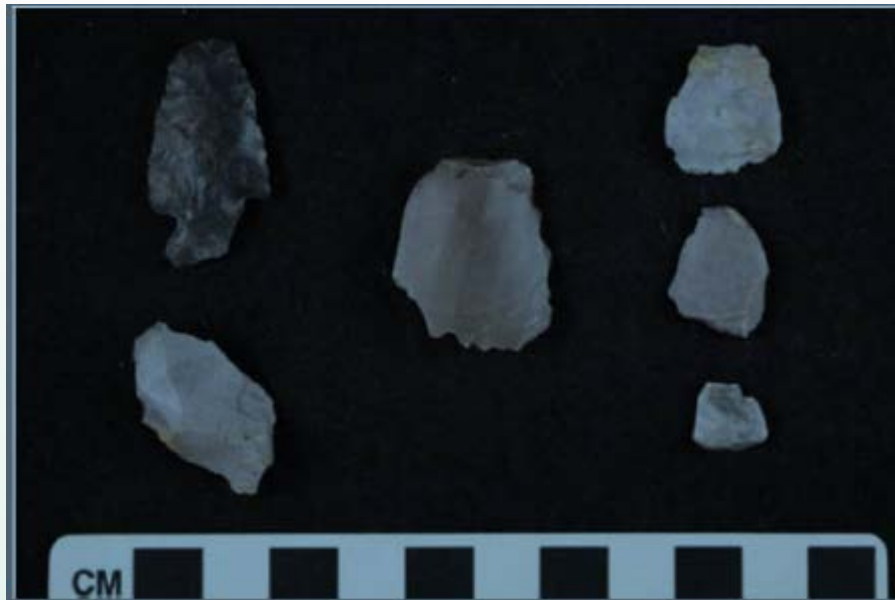
## Atmosphere (Air Quality/Noise)

- Review and update the odour management plan and complaints response protocol
- Design and implement a
- follow-up noise monitoring program when landfill operations are within 330 metres of 3691 Manning Drive.
- Prepare a fugitive dust management plan and complaints response protocol.



# Key Commitments Archaeology

- No construction or other activities will take place within 10 metres of site with cultural heritage value or interest (First Nations) located in the northern buffer area



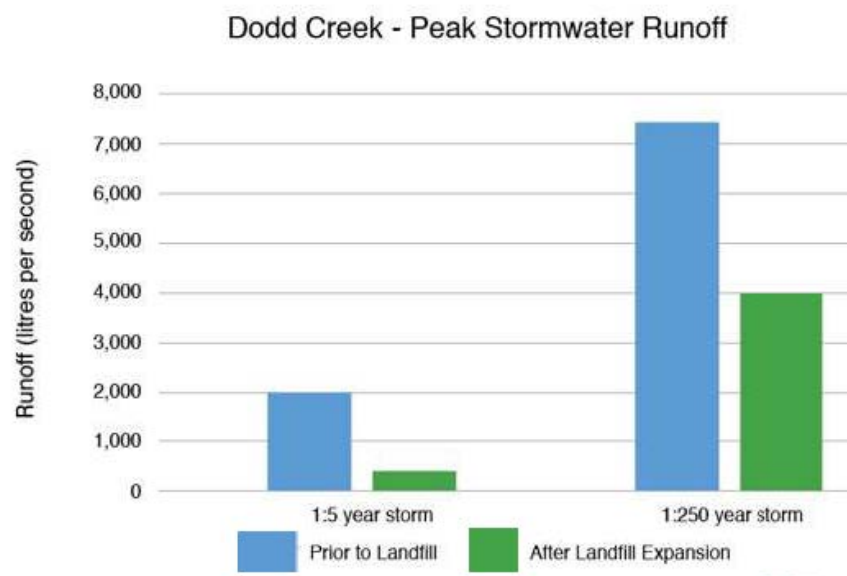
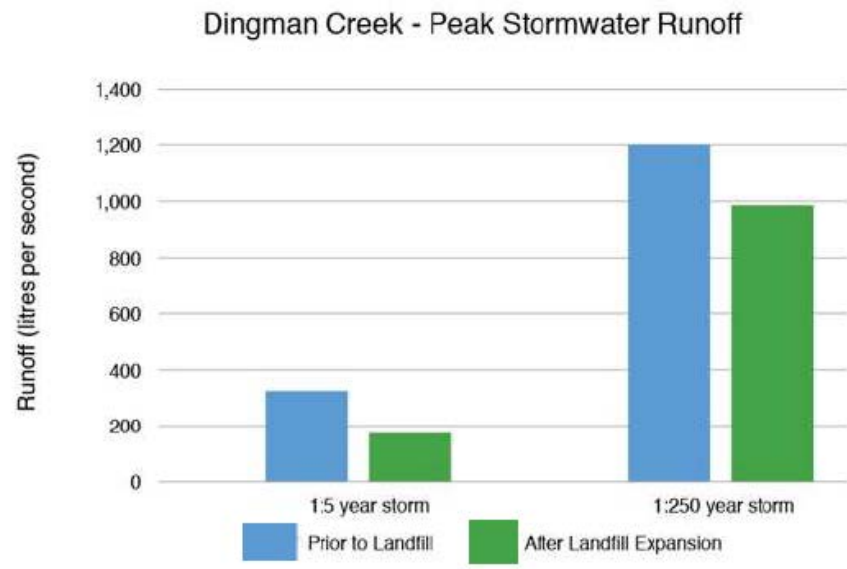


# Key Commitments

## Climate Change Measures

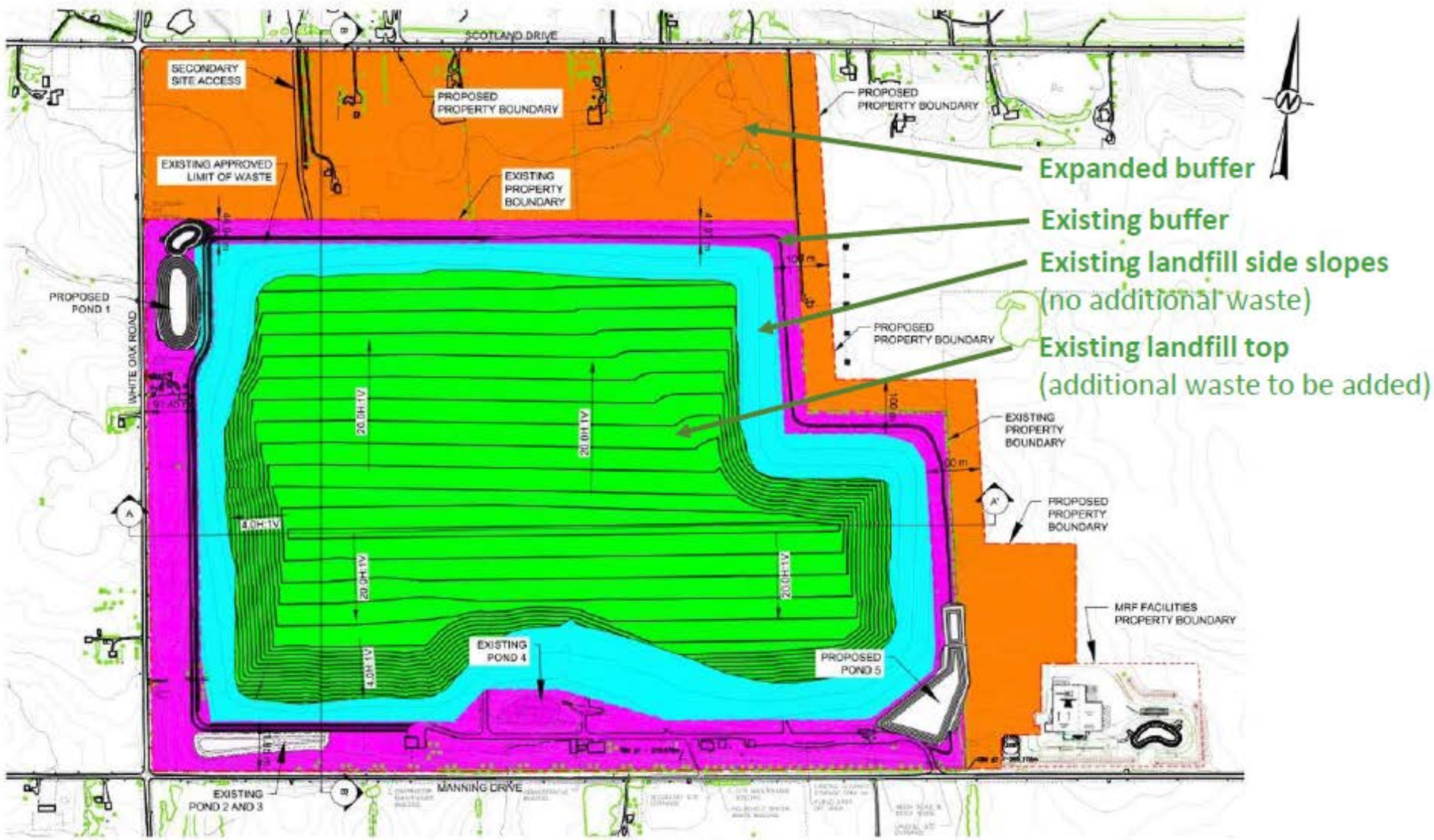
Include the possibility of increased leachate generation from climate change into:

- the design of the proposed replacement perimeter leachate collection system.
- design of the replacement for the main leachate pump station on the W12A Landfill site.





# Layout of Proposed Expansion (no changes since summer)







# Key Features of Proposed Expansion (no changes since summer)

- Placement of garbage to maximize screening
- Additional groundwater protection measures
- Additional leachate storage (addresses First Nation concern)
- Gas collection system improvements
- Stormwater management pond upgrades
- Replace/upgrade buildings
- Enhanced public drop-off area
- **Preliminary Cost Estimate for Landfill is \$55 million to \$90 million (\$5.5 to \$9 per tonne)**



# Schedule

Time Frame	Task
April 13, 2021	<ul style="list-style-type: none"><li>• Council approval of Draft EASR</li></ul>
April 20 to May 19, 2021	<ul style="list-style-type: none"><li>• Circulate Draft EASR to GRT and other stakeholders</li></ul>
Late June/early July 2021	<ul style="list-style-type: none"><li>• Review of EASR by WMWG.</li></ul>
July 27, 2021	<ul style="list-style-type: none"><li>• Public Participation Meeting at CWC</li><li>• Review of EASR by WMWG.</li></ul>
Aug. 10, 2021	<ul style="list-style-type: none"><li>• Approval by Council</li></ul>
Aug. 19, 2021	<ul style="list-style-type: none"><li>• Formal Submission of EASR</li></ul>
August 2021 to March 2022	<ul style="list-style-type: none"><li>• MECP Approval process (often takes longer than prescribe in Timelines Regulation)</li></ul>





# Recommendation

- a) The report *Draft Environmental Assessment of the Proposed W12A Landfill Expansion, City of London* **BE RECEIVED** for information.
- b) The release of the report for review and comment by the Government Review Team, Indigenous Communities and the general public **BE SUPPORTED** noting that minor changes/revisions to the report may be made prior to release.