

Item 8.3



KENILWORTH RESERVOIR SOILS

General Issues Committee: November 4, 2020

SUMMARY & TIMELINE

JANUARY 2020

- Hamilton Water began a planned \$6.4M capital rehabilitation project at the Kenilworth water reservoir which was originally commissioned in 1964



Scope includes:

- Repairs to the exterior roof of the reservoir
- Joint repairs
- Interior concrete restoration



SUMMARY & TIMELINE

JUNE 2020

- **June 15:** Contractor notices visual concerns with the soil and tests two small samples.
- **June 26:** Results of initial soil testing shared with the City.
 - Showing high levels of benzo(a)pyrene; a type of polycyclic aromatic hydrocarbon (PAH).



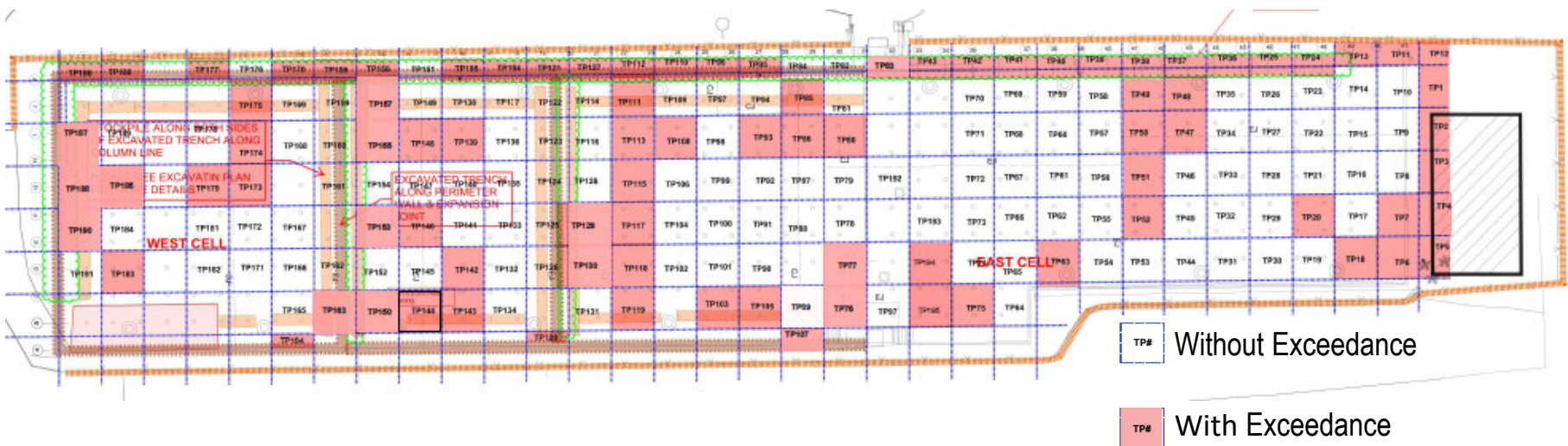
JULY 2020

- **July 8:** Contractor engages soil sub-consultant to complete more fulsome soil quality assessment.
- **July 20 - 23:** Testing of soil – 10x10 grid with 195 samples.

SUMMARY & TIMELINE

AUGUST 2020

- **August 18:** Soil sample results are received – they indicate approximately 50% of reservoir soil contains various levels of polycyclic aromatic hydrocarbons.
- **August 20:** City engages with MECP regarding contaminated soil.



SUMMARY & TIMELINE

AUGUST/SEPTEMBER 2020:

- **August 31 to September 14** – As a precautionary measure, the City completes three separate water quality tests to ensure no impact to drinking water.
 - No concerns are detected at either Kenilworth reservoir or Woodward pumping station.
- **September 17** – Jacobs Engineering is engaged to study whether the contaminated soil could be reused for the current project.



SUMMARY & TIMELINE

OCTOBER 2020

- **October 6** - Jacob Engineering suggested that reusing the soil for the purpose of completing the current contract is acceptable from a legislative perspective.
- **October 6** – Hamilton Water staff meet with the MECP to discuss the soil contamination issue.
- **October 23**: City provides MECP with Material Handling Plan for soil as part of current construction project.
- **October 30** – Hamilton water staff engage with Public Health Services.



MANAGING THE CONTAMINATED SOILS

SOILS MANAGEMENT PLAN

- Excavated soils are currently safely stockpiled.
- City engaged specialist to develop Soil Management Plan for this location.
- Estimated completion of plan – January 2021.

NEXT STEPS

- Current project – estimated completion March 2021
- Tender for managing soil in the area – February 2021
- Cost for soil removal, disposal and replacement with clean fill for entire reservoir approximately \$6.5M