

# CVWMC Cell 2 Engineering Design

September 10, 2020

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# Project Scope

- Cell 1 was constructed in 2016-2017, and is anticipated to reach capacity in 2023-2024.
- Staff have learned much about operating within a lined cell.
- The procurement for the design of Cell 2 will proceed in 2020.
- Integrating engineering for consistency and cost effectiveness
  - Cell 2 design and leachate collection system
  - Design of the landfill gas collection piping from the flare station to Cells 1 & 2
  - Fill Plan for Cell 2
  - Updated Design and Closure Plan, and Operations Plan for CVWMC



# Operational Challenges



# Leachate Challenges

- Additional piece will be to complete leachate generation modelling for Cells 1 & 2
- Options and cost estimates for leachate management solutions will be brought forward to the Board for consideration in 2021
- An Operating Certificate amendment may be necessary



# Timeline of Next Steps

Timeline and Next Steps	2020		2021				2022			
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
RFP issuance for Design of Cell 2	■									
Design RFP Award		■								
50% Design of Cell 2			■							
Cell 2 Fill Plan			■							
Header Design				■						
Leachate Modelling				■						
Design and Closure Plan				■						
OC Amendment Submission (if required)				■						
90% Design of Cell 2				■						
Issue Construction RFQ				■						
Construction Award					■					
Construction Period					■	■	■	■		
Placement of Select Waste									■	■