



Mackville Landfill Update

MUNICIPAL SERVICES COMMITTEE

AUGUST 12, 2019

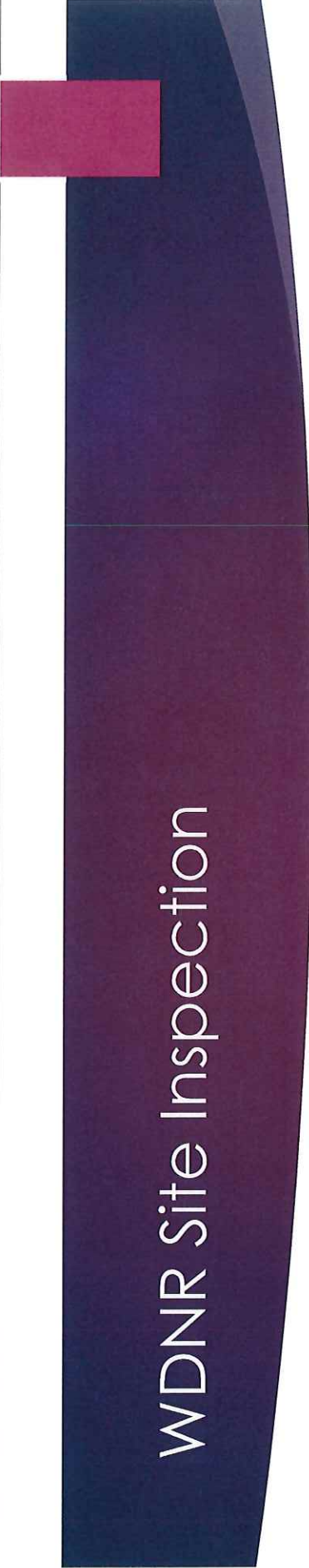
Gas System Update

- ▶ January 2019 meeting with WDNR
 - ▶ Discussed converting to passive vent system
 - ▶ WDNR agreeable to the concept
 - ▶ WDNR requested 2-year pilot study to collect data and experiment with passive venting
- ▶ Gas blower turned off in March -No abnormal results observed
- ▶ Gas wells disconnected in June -No abnormal results observed



Gas System Update (Continued)

- ▶ Additional gas metering conducted to ensure gas is not migrating through the landfill cap or through the VAM buildings
- ▶ Surface emission monitoring will be periodically conducted over the next year to evaluate if emissions are coming through the cap



WDNR Site Inspection

- ▶ City staff and SCS Engineers completed pre-WDNR site visit June 19
- ▶ A few touch up items noted, but overall site in good condition
- ▶ WNDR compliance inspection June 25
- ▶ All items on WDNR inspection form were noted to be in compliance
- ▶ WDNR commended the City on a great looking landfill



Budget Status

- ▶ Based on 2 yr pilot gas testing for WDNR, 2019 capital improvements are now anticipated for 2022
- ▶ Additional consultant funds are requested for 2020 to complete the testing
- ▶ Application to WDNR to convert to passive venting is expected in January 2021
- ▶ Response from WDNR is anticipated in time to prepare 2022 budget request



2020 Budget request

- ▶ The additional \$30,000 requested for 2020, above yearly operations, maintenance, monitoring and reporting includes the following as requested by WDNR:
 - ▶ Quarterly surface emission monitoring
 - ▶ Settlement analysis
 - ▶ Additional gas monitoring at locations of concern at key times, such as
 - ▶ VAM buildings, blower building, cap penetrations (like leachate headwells)
 - ▶ Re-checks before scheduled visits after making system changes to determine if any differences in system performance



Pollution Liability Insurance

- ▶ Current pollution liability insurance expires December 31, 2019
- ▶ HR currently working on renewal
- ▶ Current carrier will no longer provide this coverage
- ▶ Likely 3-yr policy rather than a 5-year policy as in the past