

Update to Regional Sewer Odour

Committee of the Whole
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Discussion Points

1. Advice Received
2. What We Are Doing
 - a) Immediate Priorities
 - b) Ongoing Improvements
3. Questions



1. Advice Received

- Consulting with two engineering firms experienced in wastewater treatment continues
- Consensus is that odour is primarily related to lack of oxygen being added to the lagoons



1. Advice Received – con't

- New diffusers can receive double the amount of air compared to old aerators
- Present blowers are not providing sufficient air delivery to the new diffusers



Old Aerators Now Replaced



New Aerator Diffusers in Operation (on right)





Present day blower room





Present day blower room



2. Immediate Priorities

- Adding air in the lagoons in multiple ways
- Recirculation of water from healthier lagoons to lagoon 1
- Installed lagoon masters
- Placed a fourth blower in service (May 14th)



2. Immediate Priorities – Con't

- Two blowers enroute – scheduled to arrive today (new)
- Installation preparations have been in progress in advance of arrival (new)
- Actively investigating the supply of additional rented blowers (new)



2. Immediate Priorities – Con't

- Engineering experts engaged to pre-plan yard and lagoon connections to additional blowers (new)
- Subject matter expert engaged to advise on masking agents (new)





**Temporary pumps
installed to transfer
water from healthy
lagoons to Lagoon 1**



One of three lagoon masters installed to improve circulation



2. Ongoing Improvements (Regional Technical Sub-Committee)

- Purchase and installation of Composite Samplers at large institutional and industrial users (new)
- Inflow pH monitors (new)
- Increase in the collection and analysis of operating parameters (new)



2. Ongoing Improvements (Regional Technical Sub-Committee)

- In-depth engineering review (study) of entire system is underway (previously commissioned)



QUESTIONS?

