



Qenos

November 2018 ACNCG



Introduction

Qenos update since May ACNCG

- Qenos actions arising (nil)
- Community
- Regulatory Interface
 - PFAS Update

2018 Reflection

2019 Outlook

Community

- Joint August EMT meeting held at Dow
 - Minutes in meeting papers
- Complaints
 - Flare noise
 - Two on the 26th & 27th August due to off spec event
 - Odour
 - 11th October odour reported in Maidstone St due to water flushing to Tank 809



Regulatory Interface

- EPA
 - Received Clean Up Notice to implement PFAS Clean Up Plan
- CWW
 - nil



Regulatory Interface

- **Worksafe**
 - Verification audit completed
 - Benzene licence audit completed
- **Energy Safe Victoria (ESV)**
 - Annual reports submitted to ESV, DELWP in September
 - Provided input to DEWLP about land use planning near MHFs



PFAS Update

- PFAS Clean Up Plan accepted by EPA
- EPA Clean Up Notice issued for implementation of Clean Up Plan including;
 - Reporting of progress to EPA
 - Resins Tank Farm trial area capping to be installed 1Q 19
 - Ongoing groundwater and stormwater monitoring
 - High PFOS content foams to be sent for destruction in 2019
- Replacement of remaining C8 foam with C6 foam is on hold
 - Uncertainty about future regulations
 - Fluorine free foam developments

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2018 Reflection

Improve SHE performance	Continue the emphasis on leadership and workforce engagement.	<ul style="list-style-type: none"> ▪ 2 recordable injuries across Qenos YTD ▪ Community complaints > plan ▪ Leadership teams engaged in SHE strategy review program
	Increasing accountability and ownership for SH&E	<ul style="list-style-type: none"> ▪ Individual accountability for performance outcomes improving
	Complete the implementation of leading/lagging performance indicators	<ul style="list-style-type: none"> ▪ Leadership, Process, Personnel and Environment performance metrics ▪ Health and Systems will commence in 2019
	EMS update to achieve ISO-14001 Accreditation in 2018.	<ul style="list-style-type: none"> ▪ Documentation updates expect to be completed ▪ Aiming for accreditation in 2020
	Noise EIP implementation.	<ul style="list-style-type: none"> ▪ Last abatement project, the shutdown of SCAL-2 Lummus furnaces completed.. ▪ Community noise monitoring in progress. <ul style="list-style-type: none"> ▪ Charles Road noise levels good. ▪ Galvin Street has been variable.
	Olefins planned April outage - clean compressor and associated equipment	<ul style="list-style-type: none"> • Monitoring program put in place. • Completed without incident or community impact
May-July had high number of plant interruptions that caused increased flaring events	<ul style="list-style-type: none"> • Individual causes of flaring reviewed. Causes being addressed with improved performance July - Oct • Flare improvement team set up with following noise reduction activities <ul style="list-style-type: none"> • Smoke suppression control reviewed and revised • Flare balancing utilised when appropriate 	



2018 Reflection		
Business outlook	Scheduled 21 day - Compressor cleaning activity	<ul style="list-style-type: none"> Completed successfully
	Maximise utilisation of economic feed On going challenge of higher priced natural gas	<ul style="list-style-type: none"> Significant effort for CI & Innovation Major changes occurring within the business to adjust to the new high cost environment Approved \$4.7M project for increase ethylene recovery Implemented project to take excess fuel gas from MAR – reduces their flare size
New Product Development	Continue development of high performance dairy milk bottle grade	<ul style="list-style-type: none"> Full market transition completed
	Development of high performance pipe	<ul style="list-style-type: none"> Product has been launched
New Business	Launched eXsource	<ul style="list-style-type: none"> Qenos Trading arm



2019 Focus

Aspect	Aim
SHE performance	Phase II of SHE Strategy <ul style="list-style-type: none"> - On going leadership and workforce engagement - Succession planning for new workforce
	Embedding the SHE Dashboard (leading/lagging performance indicators) across the business
	Operational reliability and efficiency improvement projects
	Implement PFAS Clean Up Plan actions – including \$ 250K capping project at Resins.
	Flare improvement Team to continue
	Implement granule & fluff containment project at Plastics – part of clean sweep commitment
	\$220K allocated for Olefins ETP Odour reduction project in 2019. Further \$200k in 2020 if required
Business outlook	Pressure will remain from energy costs

