



PetroSA

The Petroleum Oil and Gas Corporation
of South Africa (SOC) Ltd

Process Safety Incidents

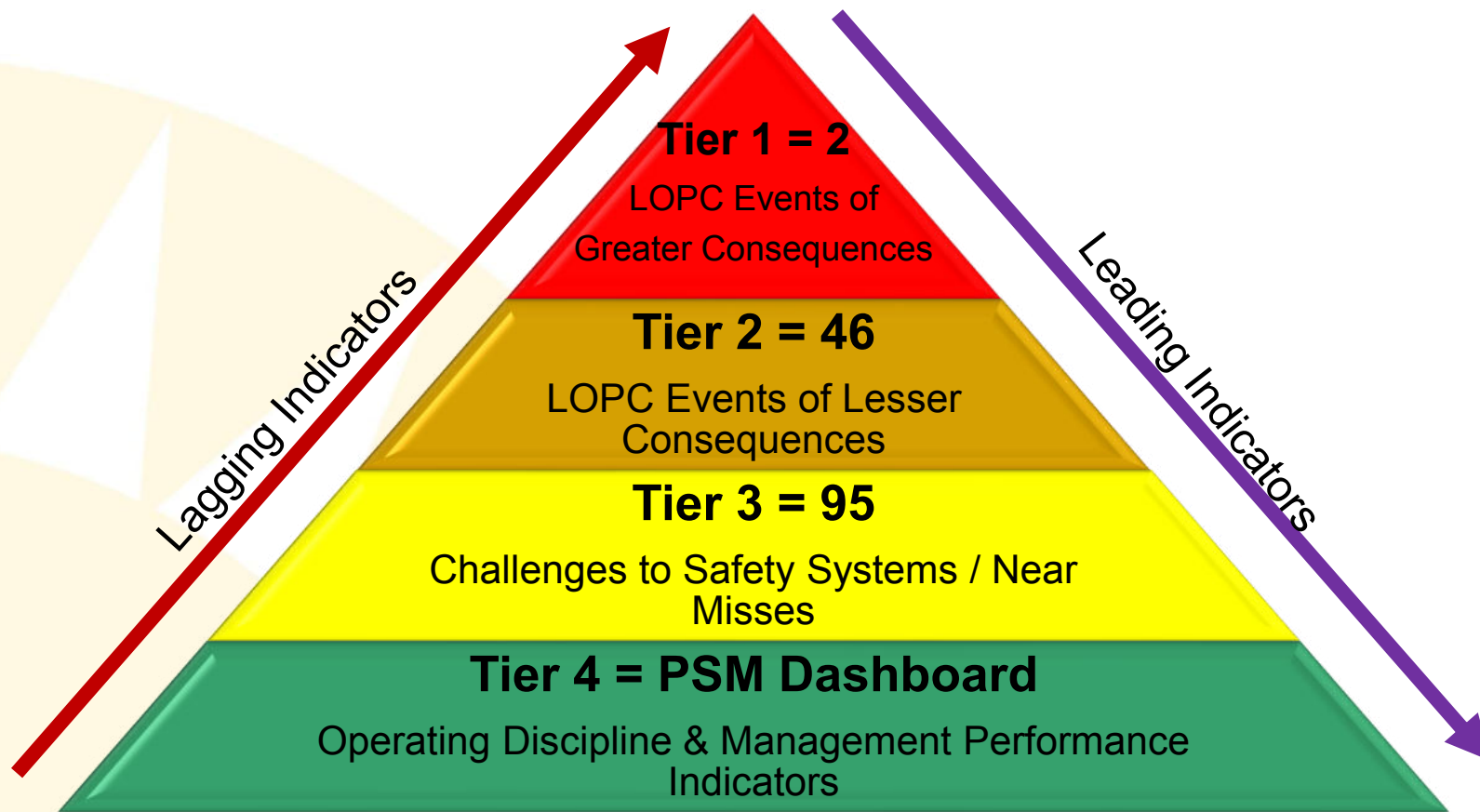
SAPIA

Thursday, 25 July 2019



Process Safety Occurrences: GTL Refinery

1 April 2018 – 31 March 2019



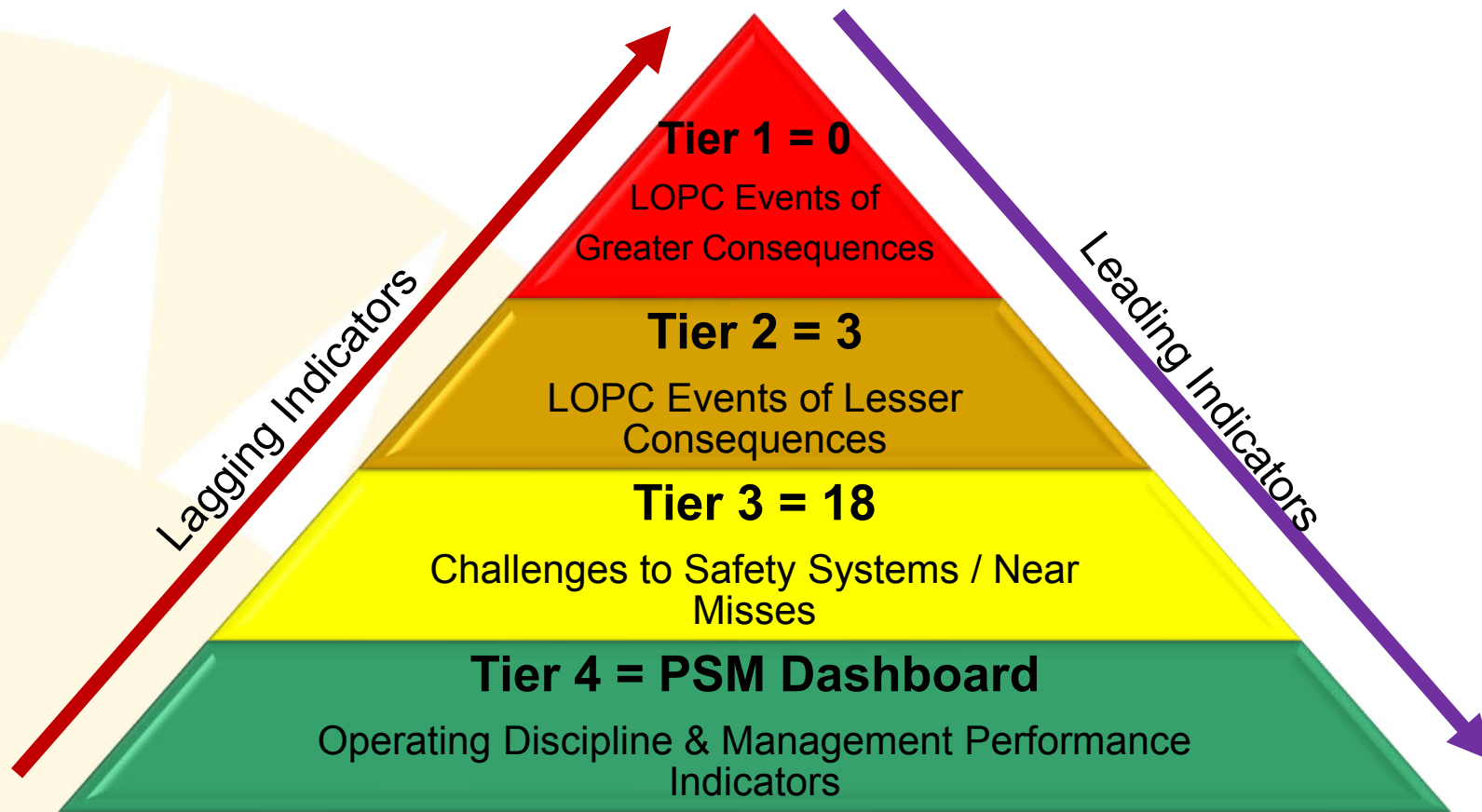
Tier 1 Incidents: Operator Error + Operating Rule Violation



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Process Safety Occurrences: FA Platform

1 April 2018 – 31 March 2019





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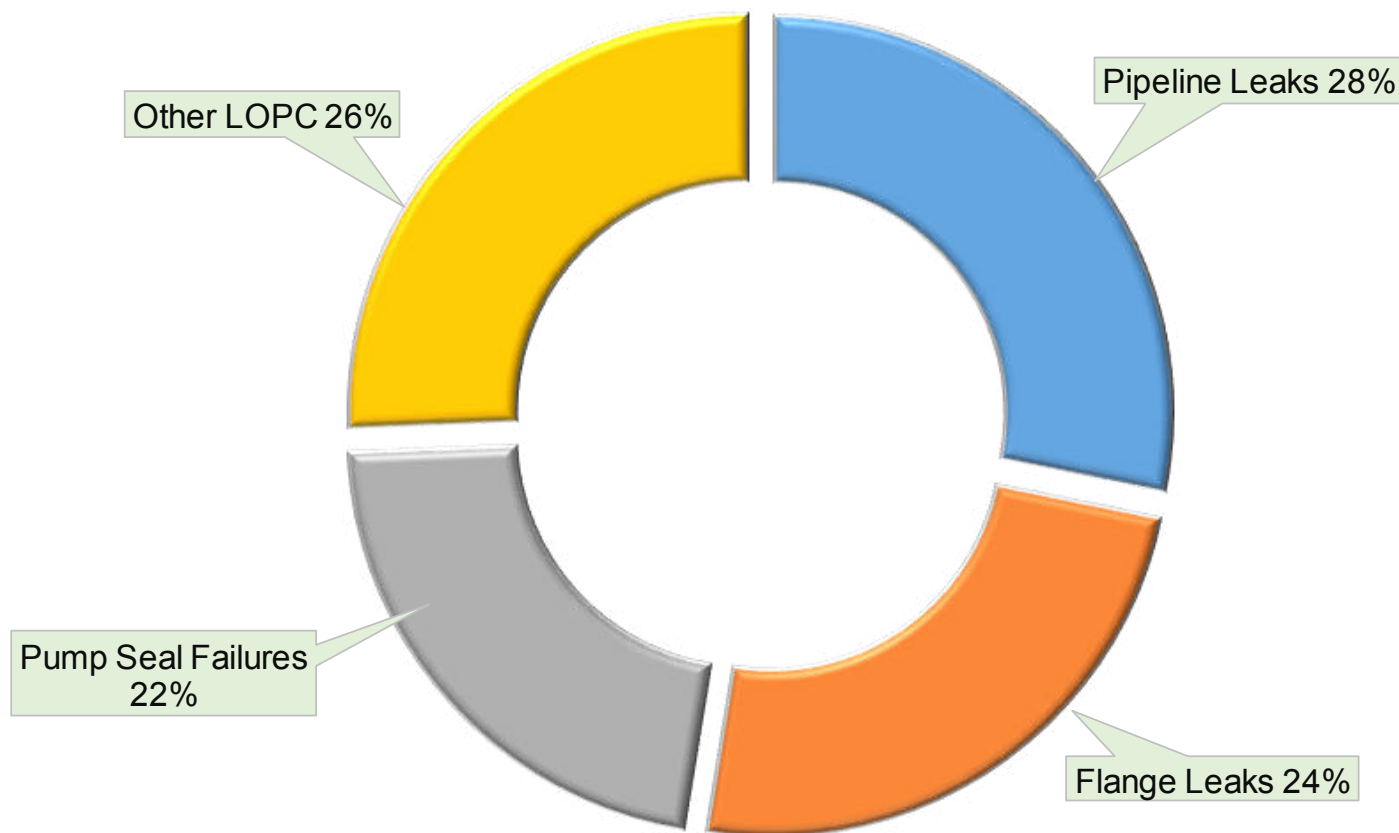
LOPC Incidents: 1 April 2018 – 31 March 2019



Loss of Primary Containment (LOPC)

Process Safety Incident Statistics

FY18-19





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PSM Journey @ PetroSA



- PSM technical backbone (*Manage Risks, Understanding Hazards & Risks and Learn from Experience – excluded the PSM culture components*) implemented at PetroSA from 2013 – 2015 based on CCPS guidelines.
- Insurer recommended improvement of process safety culture after 2017 survey.
- PSM Framework policy (*API754 based and internationally benchmarked*) approved in February 2019.
- ISO 9001 certification (*SGS*) obtained in 2018 - recertified in 2019.
- Now planning the implementation of the remainder of the CCPS Risk-based Process Safety Elements – mainly process safety culture elements.
- Insurance survey from 5 – 8 August 2019 where implementation will be discussed with PSM experts.
- The PSM organogram is being filled this quarter and PSM Framework implementation will start after the Insurance Visit.



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LOPC Incidents @ PetroSA



- The 3 major causes of LOPC's are presently addressed through the Incident Management System for essentially Maintenance & Reliability Engineering to affect improvements.
- PetroSA does not as yet have a special focused LOPC Reduction Programme, but it will be proposed for the 2020-2021 financial year.
- In the interim, the current status quo remains of implementing recommendations from process safety LOPC incidents within whichever department such improvements should be affected.



Q & A...

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