

Mill of The Future – Collaboration

PAPTAC Bleaching Committee

2020 - Spring Meeting

Domtar Dryden Mill, March 10, 2020

John O'Donnell

Director Fiberline Optimization

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Why? – Increased Raw Material Pricing Anticipated

- Mill Leadership and Engagement
- Visibility and Company Focus
- Continuous Improvement
- Focused Capital
- Fiberline Functional Team

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Mill Leadership and Engagement

- Alkaline pH Correction – Multiple Mills
- Near Neutral Bleaching - Johnsonburg
- Washer Troubleshooting – Rothschild
- BSW/Soda Loss Review - Plymouth
- 3-Stage Bleaching – Nekoosa, Johnsonburg, Windsor, Hawesville
- pH Sampler work – Hawesville
- CI Training of Process Engineers – Rothschild, Marlboro, Windsor
- SQC Leadership – Plymouth, Marlboro, Dryden
- In House Controls – Ashdown, Johnsonburg
- Environmental Controls – Hawesville, Johnsonburg, Kamloops

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Visibility and Company Focus

- Over 100 Domtar representatives involved
- 5 Suppliers directly involved
- Financial reporting model to measure CI progress
- Trending/Centerlines/Graphics/Logbook
- Automated Reporting/SQC Automation

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Continuous Improvement

- DMS Meetings – All Mills
- Gage Repeatability and Reproducibility Studies – All Mills
- Problem Solving Process – All Mills
- Final Brightness and Kappa SQC – All Mills
- Process Capabilities (Brightness, Kappa, EA) – All Mills
- Liquor Cycle Initiative - Johnsonburg, Hawesville, Nekoosa, Windsor
- ClO₂ Generator Review - Espanola
- 3 Stage Bleaching Review - Nekoosa

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Focused Capital

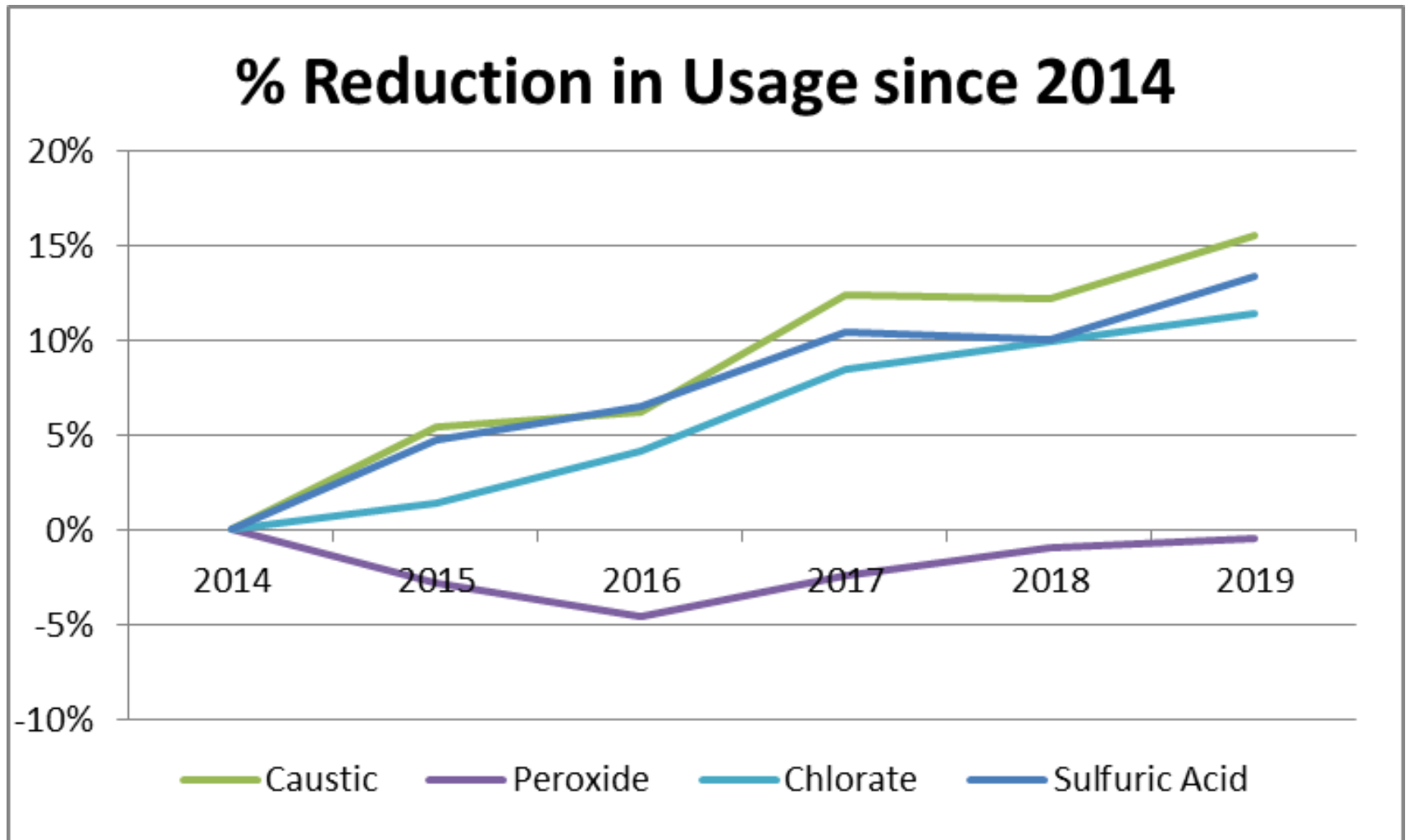
- Kappa Analyzers/Bleach Controls Instr.
- Advanced Bleaching Controls - Kingsport
- Advanced Recaust Controls – Ashdown, Kingsport
- Bleach Plant Scrubber - Kamloops

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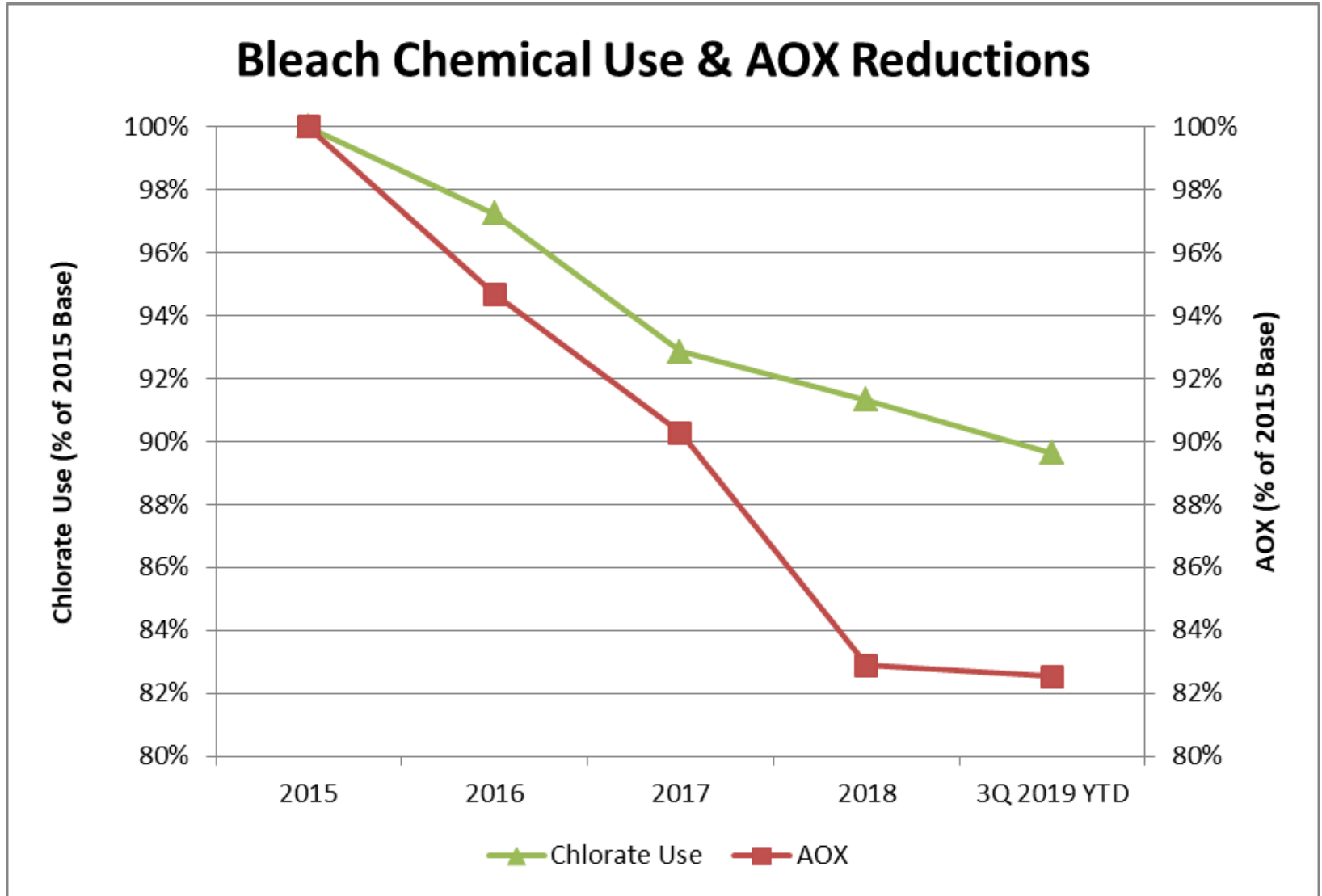
Fiberline Functional Team

- Review of past Years Performance
- Target Setting Initiatives
- Over 90 Pulping Chemical Topics/45+ Hours
- Approximately 20 mill attendees for past 5 yrs.
- Over 70 Informal Collaboration between the mills
- Vendor led Fiberline Study
- Vendor led Bleaching Study

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Thank you

Questions?

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