

Mixed Waste Paper

Domestic Newsprint Mill Experiences

Jay Simmons - NORPAC

A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, extending from the right edge towards the center.

ISRI Paper Grade Specifications

Grade	Description	% Outthrows	% Prohibitives
ONP 8	Sorted fresh newspapers, not sunburned, free of magazines and paper other than news and not more than normal amounts of colored sections.	0.25	0.0
ONP 7	Sorted fresh newspapers, not sunburned, and not more than normal amounts of colored sections. May contain magazines	0.25	0.0
ONP 6	Newspaper as typically collected from news drives and curbside collections	5.0%	1%
Residential Mixed Paper	Mixture of various qualities of paper not limited as to type of fiber content normally generated from residential, multi-material collection programs	5.0	2.0

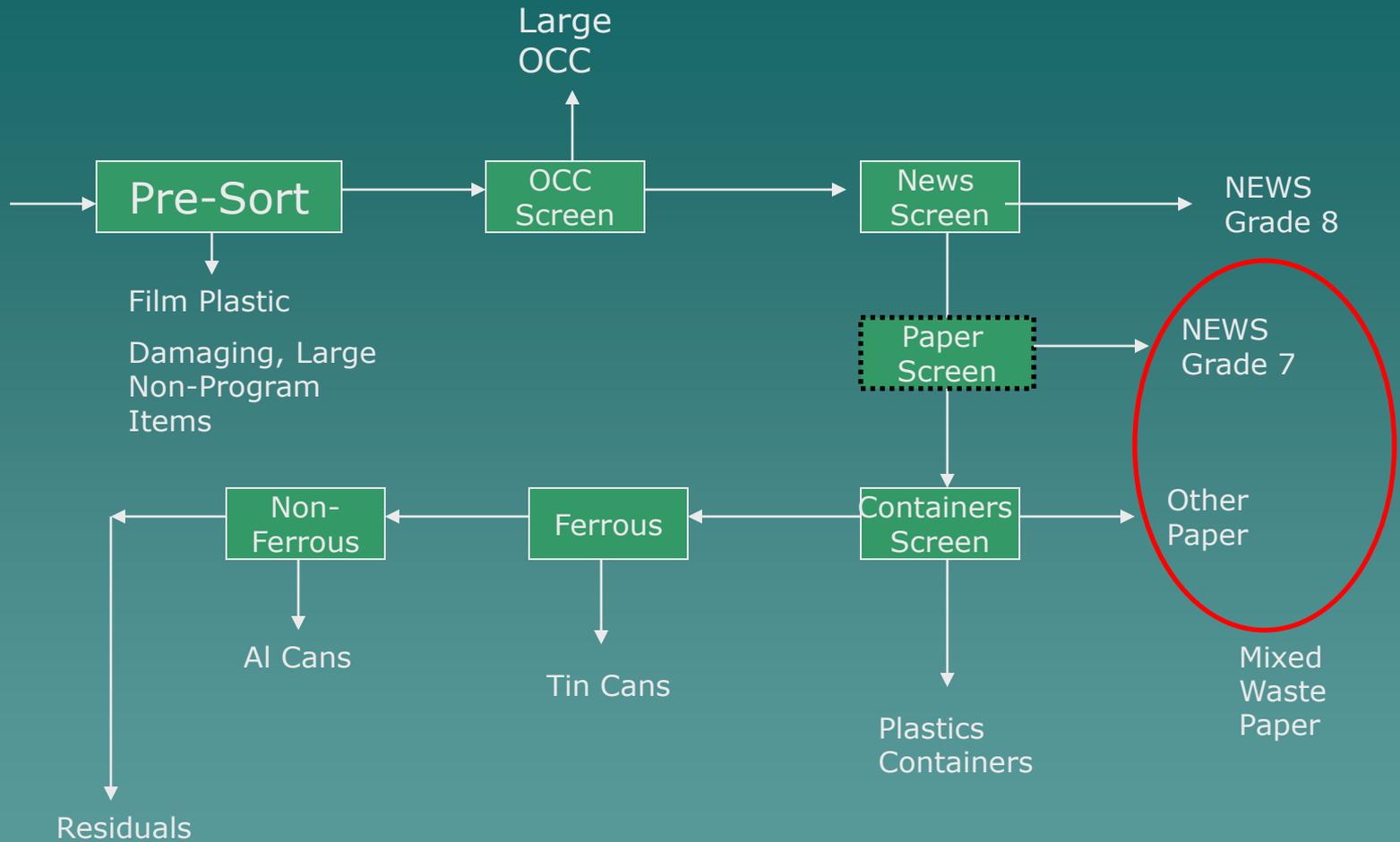
- Outthrows –

- “all papers that are so manufactured or treated or are in such a form as to be unsuitable for consumption as the grade allows.”

- Prohibitives –

- “any materials in excess of the amount allowed that will make the packaging unsuitable as the grade specified
 - Any materials that may be damaging to equipment

Market Specifications





Guess that Grade

ONP 8

ONP7

ONP6

Mixed Waste Paper





Guess that Grade

ONP 8

ONP7

ONP6

Mixed Waste Paper





Guess that Grade

ONP 8
↑
ISRI

ONP7

ONP6

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ONP 8

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ONP6

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Guess that Grade

ONP 8

ONP7

ONP6

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Guess that Grade

ONP 8

ONP7

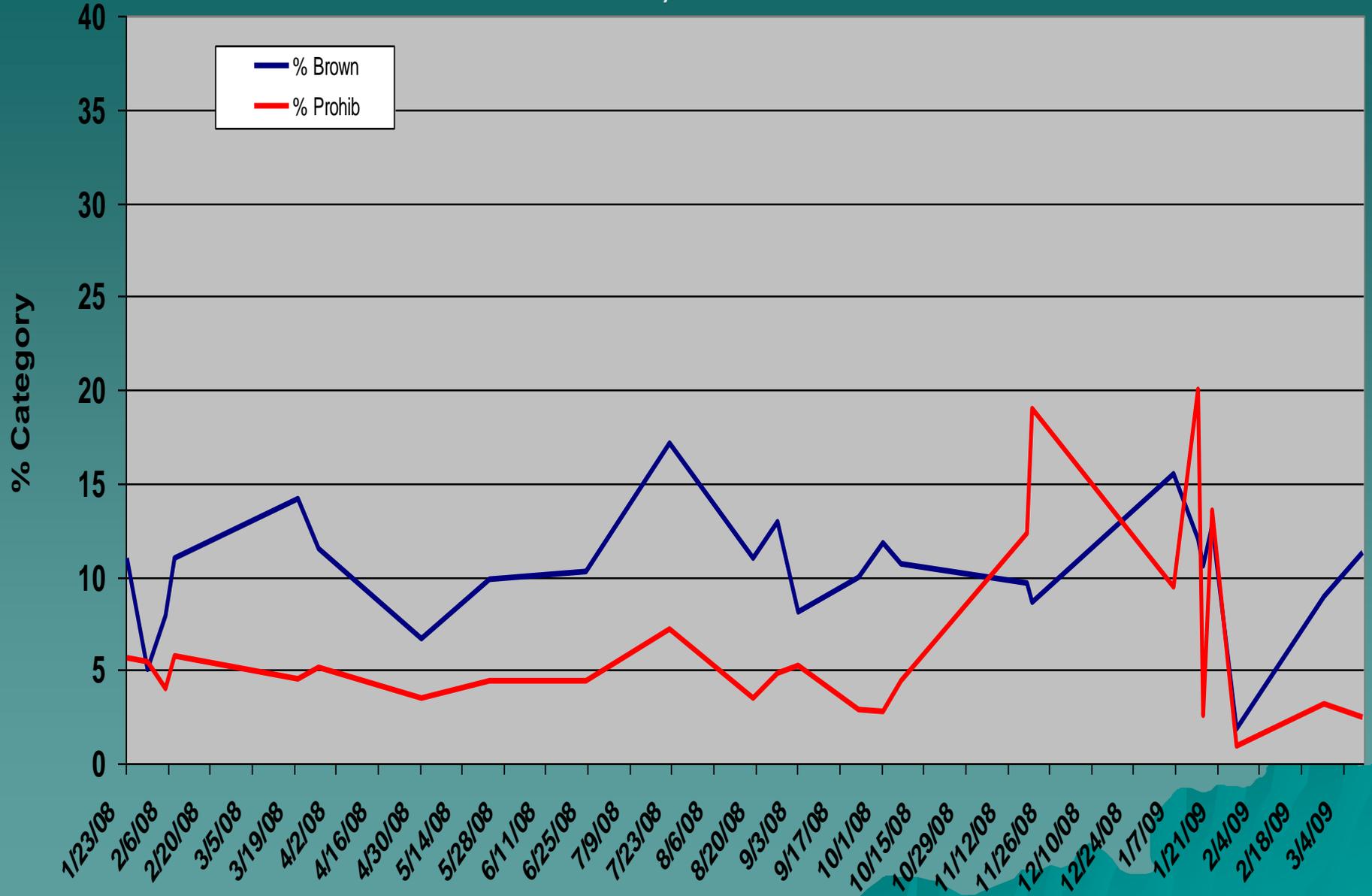
ONP6

Mixed Waste Paper

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ISRI

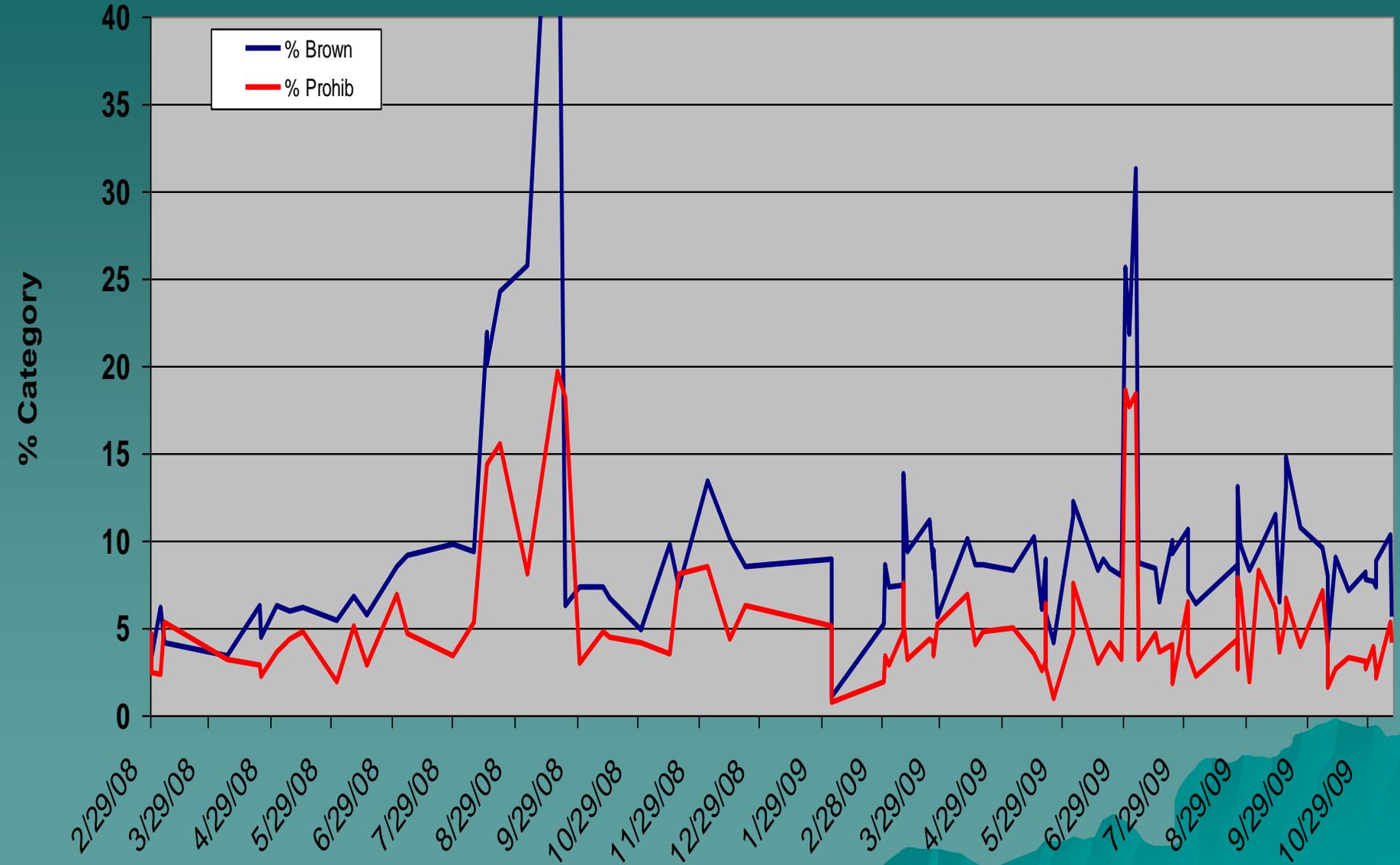
Supplier A

January 2008 - 2009



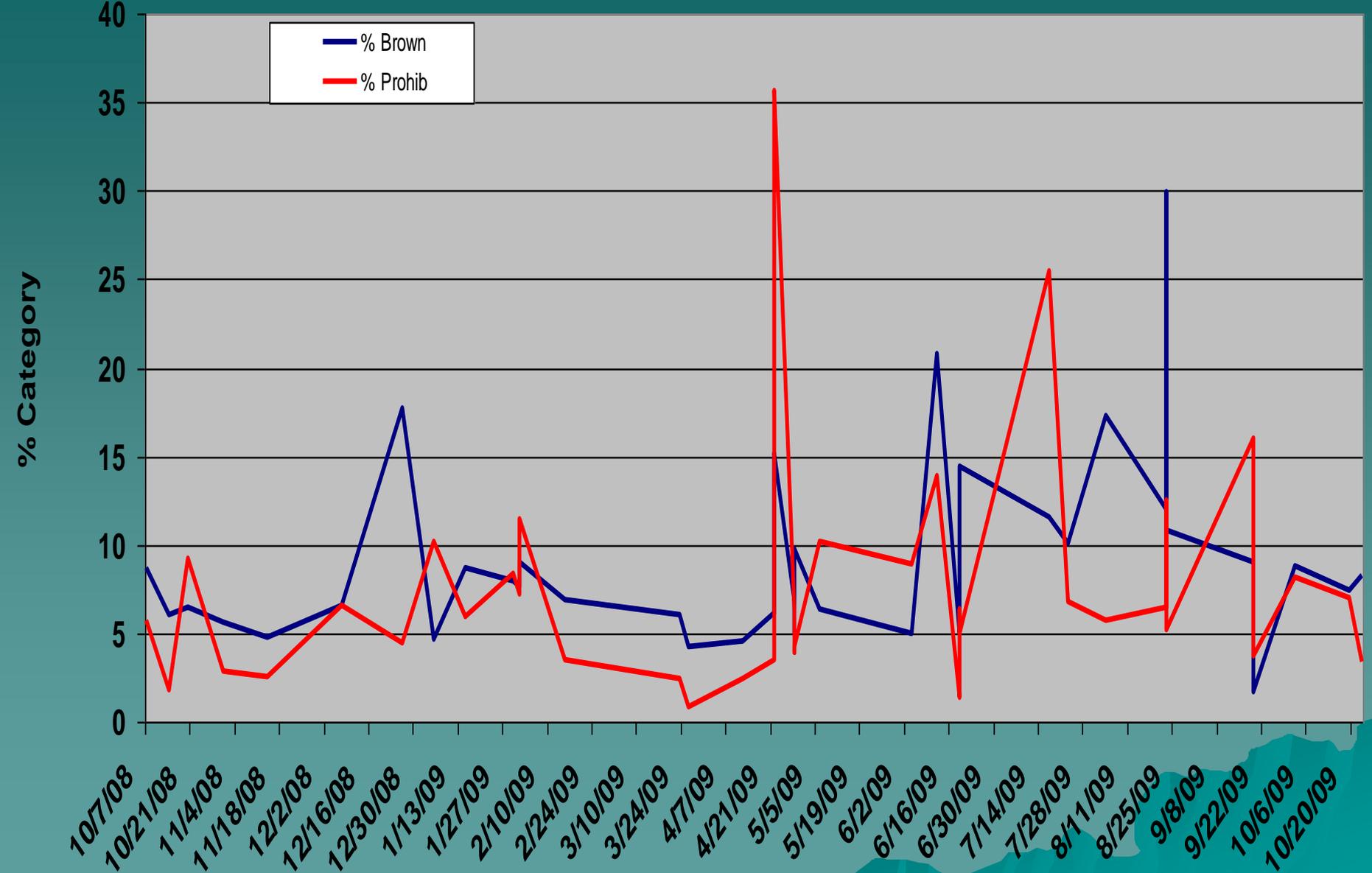
Supplier B

January 2008 - 2009



Supplier C

January 2008 - 2009



Contaminant Type	Cost	Quality	Process
Glass	Increasing wear rate of process equipment, maintenance, downtime & safety risks	Decreases efficiency of stickies removal	Will shut our process down
Brown Fibers	Rejected by Pulper, replaced with additional fiber purchases. Disposal Costs. Bleaching costs	Increases risk of hot melt and glue type of stickies. Reduced brightness	No measurable impact on operating efficiency at this time
Junk Mail	Requires more chemicals to counter macro and micro stickies	Viewed as significant contributor to increased macro and micro stickies	No measurable impact on operating efficiency at this time
WL/CL	Inks can contribute to macro and micro stickies increasing costs to manage contaminants	Toner/heat fused inks not easily removed with news deinking chemistry / technology	No measurable impact on operating efficiency at this time
Tin/Aluminum	Small impact to cost as this is a small percentage of total	No measurable impact to quality	Will reduce yield and operating efficiency
Plastic	Large impact to cost as the volume is rather large. Disposal and fiber displacement costs high	No measurable impact to Quality as they are easily removed by our process equipment	Will reduce yield and operating efficiency

In Supplier Words

- I do not have enough room to add more sorters to get to ONP 8 quality
- My equipment supplier never guaranteed that quality would be equivalent to ONP 8
- I adjusted my process to get more HDPE containers out. Sorry about your quality
- Sorry about your quality, we had to run harder to keep up with material after being down for a day
- I get the same price for Mixed Paper as Export compared to ONP 8 on the Domestic market and I do not have to spend any money cleaning it up
- Why should I add labor costs at my facility to create a lower margin for my operations