

Potential Options for Nicotine Reduction

Wood pulp in G7

1. Describe the technique/process/product alteration:

The G7 process is well known and documented. RJR has experimented many times with incorporation of wood pulp into its paper sheet (G7).

2. How does this technique/process/alteration work to reduce nicotine?

Wood pulp does not contain nicotine. It can be added to the process stream very easily to reduce the level of nicotine in G-7. G7 already has a low level of nicotine. But inclusion of wood pulp will lower that level. Inclusion of wood pulp at a 5% level into the sheet will produce a stronger, thinner sheet. As a result more linear feet of base web can be produced that will have less extract contained thereon. The result is that more wood pulp G7 will be produced that will contain ~5% less nicotine per pound of finished product.

3. What level of nicotine reduction is expected (<25%=Low; Med.=up to 50%; High=>50%)?

The level of nicotine reduction is expected is expected to be less than 10%, at best. Low

4. What changes to current manufacturing practices or other procedures would be required? Rate the difficulty/expense of these changes as Low, Medium or High.

To incorporated wood pulp G7 into Manufacturing would cost very little. It is an easy process to institute. The difficulty/expense of these changes are expected to be Low.

5. What are the limitations of this technique/process/alteration?

The only limitation on the use of wood pulp G7 in the level that it can be incorporated into the product. Normal levels today range from ~10-25%.

6. What are the advantages of this technique/process/alteration in addition to nicotine reduction?

Unknown.