Appendix IIA

Methods Development Two-Year Project Plan

PROJECTS COMMITTED TO DO	R&D CUSTOMER	PRIORITY	DURATION MONTHS	PROJECT LEADER
1. CV HCN/Acetaldehyde in Smoke	SCM	1.0	4	NMD2
2. MACON QA Flavor/Concentrate Methods	RHH	1.0	7	DCH,TVB
3. Pack Seal vs MTVR	KAF	1.0	4	FY
4. RAA Lancaster Glycerin	DLG	1.0	4	VLG
5. RAA HCN/Acetaldehyde	SCM	1.0	4	VLG
6. Eval. ION TRACK Pack Seal Tester	KAF	1.0	4	FY
7. RAA Lancaster Sugars	DLG	1.0	4	VLG
8. Thumper Coal Retention	AM	1.0	6	FY
9. RAA Lancaster Phosphate	DLG	1.0	4	VLG
10. RAA Lancaster Ammonia	DLG	1.0	4	VLG
11. (C) HPLC For Licorice On Wet Snuff	KMW	1.0	2	FY
12. (C) Nicotine for STP	RRB	1.0	1	TVB
13. (V) Oven Moisture For RECON/Oven Cal Procedure	KMW	1.1	2	FY
14. Automate Sample Prep for GC Smoke Machine	KMW	1.2	8	NMD2
15. Replace Shazbot	KMW	1.3	4	NMD2
16. (C,V) Oven Moisture for STP	KMW	1.4	1	TVB
17. Revise Hot Water Extractables	KMW	1.5	3	TVB
18. RAA Ammonia on Tobacco Blends, Grades, Recon	KMW	2.0	4	VLG
19. Quantitate HFP for Tobacco	RHH(DWC)	2.0	12	NMD1
20. Optimize/Standardize In-Cig. Obj. Stem Method	KRK	2.0	3	FY
21. Quantitate HFP for tobacco	SCM	2.0	12	NMD1
22. Finish Quantitation of DS Scan for Tobacco	DLG	2.0	6	DCH
23. Automate HFP Sample Prep	RHH(DWC)	2.0	3	NMD2
24. RAA Nitrite on Tobacco/Snuff	RRB	2.0	4	VLG
25. (C) RAA Urea, Glycerin (RECON)	KMW	2.1	4	VLG
26. Automated pH for Tobacco/RECON	KMW	2.2	4	NMD2
27. Automated RAA Sample Prep	KMW	2.3	8	DCH
28. HP Automated Sample Prep Feasibility for Megabore	KMW	2.4	4	DCH
29. Automate DS Scan Sample Prep	RHH(DWC)	3.0	3	DCH
30. Standardize WTS OBJ. Stem Method	KRK	3.0	4	NMD2
31. (C) Methods Physical Properties Tobacco (TA, Instron)	DLG	3.0	12	FY
32. Re-evaluate CTS-400 Performance	AM	3.0	2	NMD1
33. Robotic Recon Base Wt.	KMW	3.0	4	DCH
34. DAP in MGC-817	AM	3.1	4	TVB
35. Develop Better Cut Width Measurement Method	KRK	4.0	6	NMD2
36. (V)Oven Moisture For RECON/Oven Cal Procedure	DLG	4.0	2	FY
37. RAA Maltose on Tobacco	AM	4.0	4	VLG
38. (V) Triglycer/Butterfat on Tobacco	SCM	4.0	2	TVB
39. RAA Ammonia on Tobacco Blends, Grades, RECON	RRB	4.0	4	VLG
40. RAA PG on Tobacco	AM	4.1	4	NMD3
41. RAA Citrate on Paper	AM	5.0	4	NMD3
42. GC Method for Snuff Flavors	RRB	5.0	4	TVB
43. Automate/Quantitate Teabag	RHH(DWC)	5.0	12	NMD1
44. RAA Phosphate on Paper	KMW	5.3	2	NMD3
45. (V) Megabore Men/Tip/Tob Sec	AM	6.0	2	TVB
46. (C) HPLC For Licorice On Wet Snuff	RRB	6.0	2	FY
47. Smoke Ammonia	AM	6.1	4	NMD1
48. (V) Puff by Puff	AM	6.3	4	NMD1
49. RAA Sugars in Casings (F,G,S,M)	AM	7.0	2	NMD3
50. (C,V) Oven Moisture for STP	RRB	7.0	1	TVB
51. Finish HPLC Lic/Coc for Cigarette Tobacco	AM	8.0	4	TVB
52. (C) RAA Urea, Glycerin(RECON)	RRB	11.0	4	VLG
53. (V)Smoke pH	RRB	14.0	4	NMD1
54. (V) Integrate Argon Blend Into Blend Sep	RRB	15.0	4	DCH
55. Sand/Inorganics in Tobacco	RRB	17.0	12	NMD2

* V = Validation
* C = Current

* NMD1 = STH Replacement
* NMD2 = Robotics/Analytical Chemist
* NMD3 = VLG Replacement

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