

APPENDIX F

Emission Unit 003 - Non-Azide Propellant Manufacturing Process Description Document ID F1

Process Area	Process Description	Maximum Process Rate (lb/hr)	Capture Systems	Emission Point	Control Device Description
Staging Area #1	Jetmill oxidizers to desired particle diameter and dispense into fiberboard containers	89.4	1. Jetmill Air Purge	Scrubber #24	Unit-Wash UC-10 Wet Scrubber
Staging Area #2	Weightout of constituents and addition to stainless steel hopper	297	1. Above hopper where materials are dispensed.	Scrubber #24	Unit-Wash UC-10 Wet Scrubber
Bay #1	Tunable sealed bin. Beadmill material and dispense back into stainless steel hopper	N/A	None	N/A	N/A
Bay #2	Mix material in Telejone mixer and granulate through a screen, then fluid bed dry, and convey back to the stainless steel hopper	99	1. From Fluid Bed 2. At conveyor dispensing point. Cyclone is incorporated into the system and powered by the scrubber fan. Material from the cyclone is collected and reused.	Cyclone; Scrubber #25	Unit-Wash UC-10 Wet Scrubber
Bay #3	Press granulate into aspirin-sized pellets and dispense into stainless steel drums for storage	99	1. At Press Table feed on 'A' side. 2. At Press Table Feed on the 'B' side 3. At 'A' Side pellet conveyor drop-off 4. At 'B' Side pellet conveyor fall-off	Scrubber #26	Unit-Wash UC-10 Wet Scrubber
Bay #4	Not in Use	N/A	None	N/A	N/A
Bay #5	Press granulate into aspirin-sized pellets and dispense into stainless steel drums for storage	99	1. At Press Table feed on 'A' side. 2. At Press Table Feed on the 'B' side 3. At 'A' Side pellet conveyor drop-off 4. At 'B' Side pellet conveyor fall-off All points are conveyed to a pipe where large particles drop out into a bin.	Scrubber #27	Unit-Wash UC-10 Wet Scrubber
Bay #6	Drying - occasionally material may need to be dried in an electric oven	N/A	N/A	N/A	N/A
Cell II Loading Bay	Pellets are dispensed from stainless steel drum into a funnel to be loaded into an inflator assembly (separate rooms feed the load chute) Pellets are dispensed from funnel into inflator assemblies (dispensed directly into load chute)	N/A	N/A	N/A	N/A
Cell IM Loading Chutes		N/A	3. Primary Loader 4. Secondary Loader	N/A	N/A