

Emission Unit 006 Process Description

Process Area	Process Description	Maximum Process Rate (lb/hr)	Capture Systems	Emission Point	Control Device Description
Building 5B West Bay	Raw Nitroguanidine is placed in rotary tray dryer to dry material from 20% moisture to 0.1%.	110	1. Purge air port from dryer	Dry Filter #1	Cloth 5 Micron Dry Filtration Unit
Building 5B West Bay	Silica is added to the drum and the drum is rolled	N/A	N/A	N/A	N/A
Building 5B East Bay	Raw Nitroguanidine is milled in PelletMill and discharged into a drum.	N/A	None	None	N/A
Building 10 Bay 1	Weightout of constituents and addition to the stainless steel hopper.	297	1. Above hopper into which material is dispensed.	Scrubber #4	Uni-Wash UC-10 Wet Scrubber
Building 10 Bay 1	Tumble Sealed Bin	N/A	None	N/A	N/A
Building 10 Bay 2	Mix material in Teledyne Mixer and granulate through a screen, then fluid bed dry, and convey back to stainless steel hopper		1. From Fluid Bed Dryer. Note: Cyclone will be incorporated in the system and be powered by the scrubber fan. Material from the cyclone will be collected and reused.		
Building 10 Bay 1	Add Boron and Tumble	110	None	Cyclone*, Scrubber #5	Uni-Wash UC-10 Wet Scrubber
Building 10 Bay 3	Press granulate into aspirin-sized pellets and dispense into stainless steel drums for storage	N/A	None	None	N/A
Building 10 Bay 4	Pressed pellets fed to rotary tray dryer to dry from 0.5% moisture to 0.05% moisture. Pellets are dispensed from funnel into inflator assembly (dispensed directly into loader)	176	1. At press table feed on "A" side; 2. At press table on "B" side; 3. At "A" side pellet conveyor drop-off; 4. At "B" side pellet conveyor drop-off	Scrubber #6	Uni-Wash UC-10 Wet Scrubber
Building 1 Cell IX Loader		110	1. Purge air port from dryer	Dry Filter #2	Cloth 5 Micron Dry Filtration Unit
		N/A	N/A	N/A	N/A

* Cyclone is not installed at this date (May 2010) and was not in place during the compliance test conducted on 10/6/09