SAFEX INTERNATIONAL

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INCIDENT NOTICE

(Kindly direct all correspondence to the Secretary General)

INCIDENT TITLE: Hopper Detonation: Czech Republic

REFERENCE	SOURCE	
NI18-05	Austin Star Detonator	
INCIDENT OUTLINE		
Tuesday, August 8, 2017 at 1:30am		
Austin Star Detonator Co (ASD)		
Shock tube in process of manufacture		
HMX/AL mixture – 200 grams		
Immediately following a spool transfer the Shock tube initiated from a slap		
unit. The Initiation reached the dosing system and detonated the powder feed		
feed unit with approximately 200 grams of HMY/AL mixture		
reed unit with approximately 200 grams of HMX/AL mixture.		
	be initiated from a "slap and	
sh	oot"	
The snagger, a component of the take up ma	achine, did not hold the tail end of	
the spool as it began winding and slapped the machine base at a high speed		
resulting in the "slap and shoot".		
A guillotine safety system designed to cut the shock tube before the		
propagation could reach the dosing system had failed due to a faulty		
electrical component.		
Latching elect	trical component failed	
due to corros	ion	
0 to 100 VCC 11 - Pervers.100* HOD Hada		
2 montage Stream		
	REFERENCE NI18-05 INCIDENT OUTLINE Tuesday, August 8, 2017 at 1:30am Austin Star Detonator Co (ASD) Shock tube in process of manufacture HMX/AL mixture – 200 grams Immediately following a spool transfer the S and shoot inside the take up. The propagatio unit. The Initiation reached the dosing system feed unit with approximately 200 grams of F Immediately following and slapped the resulting in the "slap and shoot". A guillotine safety system designed to cut the propagation could reach the dosing system electrical component. Itatching elect due to corros	

	After review it was concluded that the guillotine system, although it was integrated into the shock tube line safety interlocks, lacked redundancy in the electrical design, and did not indicate if all components were functioning.	
What was the	No injuries to personnel. The dosing system was damaged along with minor	
impact?	damage to the ceiling and walls.	Damage to Ceiling/Walls
		Hopper Shroud (1" Metal)
		Damage to Feed System
ADDITIONAL INFORMATION		
Enclosure	none	
Subsequent Report	none	
COMMENT		
Value of Incident	The guillotine controls were re-designed to a more robust system with redundant components and is now able to indicate in more detail when a fault/alarm is activated. Over several years the guillotine system had been successfully tested on a regular basis. However, as a result of this incident testing frequency increased to a weekly basis.	
Personnel are prohibited from entering the powder rooms during operation A new design to key components of the dosing system was reviewed and improvements were made.		
After review improvements were also made to the take up machine to prevent potential for "slap and shoot" incidents by modifying the transfer		
Comment None		
comment	NOTE	

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