Phosphate Business Unit Program Environmental, Health and Safety (EHS) Department

The Mosaic Company 3033 Campus Drive, Suite E490 Plymouth, MN 55441

Task Risk Assessment Appendix A

Risk Assessment Matrix

				sment Matrix	Stop 2:	Dotor	ina likali	ibood of	Foodb	
	Step 1: Identify the potential consequence for <u>each</u> impact.				Step 2: Determine likelihood of <u>each</u> consequence based on past					
						occurrence.				
	Consequences				Likelihood					
	(typ	lly exclusive)		1	2	3	4	5		
	Safety Impact*	Environmental Impact**	Business Impact***	Image Impact	No evidence of occurence in Industry	History of occurence in fertilizer industry in past ~30 yrs	History of occurence at Mosaic in the past 10 years	History of multiple occurrences at Mosaic past 3 years	Happens several time per year at the location	
					(extremely remote)	(remote)	(seldom)	(occasional)	(expected)	
Α	Fatality OR Release of materials that pose a widespread threat to the health and safety of members of the public. (including evacuation or shelter in place)	Release of material that poses a widespread threat to the environment or irrevesible damage to ecosystem	>=\$10 Million	International / National Media Coverage	A1	A2	А3	A4	A5	
В	Permanent Disabling Injury-OR multiple people injured	Any Regulatory Non Compliance with a localized (not widespread) environmental impact that can be remediated over months or years	\$1 Million up to \$10 Million	Local / State / Provincial Media Coverage or multiple community complaints	B1	B2	В3	В4	B5	
С	Injury/Illness with work restrictions	Any Regulatory Non Compliance, including those with quickly reversible^	\$100,000 up to \$1 Million	Mosaic Internal Impact or community complaint	C1	C2	C3	C4	C5	
D	Injury/Illness with minor severity	Release with minimal impact	<\$100,000	Site internal impact	D1	D2	D3	D4	D5	
•		or Mechanical Integrity or LOPA only)		<1/10,000	1/1,000 to 1/10,000	1/100 to 1/1,000	1/10 to 1/100	>1/10		
	*Includes employees, contractors or members of the public	Total financial im	on (Margin) & Property Damage. pact is based on one time incident mited to no longer than one year.	Step 3: Determine the risk rating of each category and select the one with the highest risk.						
	Step 4: Take Action based on specific program (i.e. MOC, EHS MS, Mechanical Integrity)									
	Low	Medium Risk			High Risk					
	Identified controls are sufficient and asse activities.	Controls shall me requirements, fo of the control bas	assessment	assessment controlled to a level that is as low as reasonably						



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