Failure Modes and Effects Analysis
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Project Name:	<b>Equipment Name:</b>	Page
	- 4	 

Date:

Analysis Group Members:

Item#	Component/ Function	Failure Mode	Root Cause	Effect	Sev.	Prob.	C/M'd?	Risk	Recommendation
1	Housing	Leaks	Button wear	shorts the switch; no	4	D		M	
				light					
2	Battery spring	Corroded	Battery left in too	no battery power; no	4	D		M	
3		Broken	long Flashlight dropped	light No battery	4	С		М	
		broken	riasinight dropped	connection; no light	4	C		IVI	
4	Battery	Dead	End of life; left on	No power; no light	2	Α		М	
5		Missing	Not replaced	No power; no light	2	D		L	
6	Gasket	Deteriorated	End of life	Let water in; shorts	4	Ε		L	
				switch; no power					
7	Light bulb	Burned out	End of life	No light	3	В		М	
8		Blown	Flashlight dropped	No light	3	С		М	
				_					
9	Light bulb bracket	Broken	Flashlight dropped	Intermittent light working	3	E		L	
10	Reflector	Cracked	Flashlight dropped	Not enough light output;	1	D		L	
11	Light housing	Broken	Flashlight dropped	Intermittent light working	3	E		L	
12	Switch	Worn	End of life	No power connection; no light	4	С		Н	
13									
14									

					Unlikely	Can	Has	Has	Has
						happen		happened	happened
							in industry		in last 1
								5 years	year
Cost	Safety	Quality	Line Stop		E	D	С	В	Α
Capital >20% of Asset	Severe Injury	Continuous Defects	8+hours production stop	4					
>5% of Asset	Lost time/ Minor Injury	>20% of Parts Defective	1+hour line stop entire plant	3					
Capital <5% of Asset		>10% of Parts Defective	1+hour line stop, Mixitorium	2					
Increased Operating Costs	Non OSHA Recordable	<10% of Parts Defective	Near Miss line stop	1					
None	None	None	None	0					