

Risk Assessment Report

Project Information

Project Name:	bobs burgersah
Description:	hasts
Company:	asdfasdf
Facility:	asdfasdf
Machine ID:	asdfasdf
Lifecycle Stage:	asdfasdf

Hazard Identification

User/Role	Task	Hazard
v	asdfasdf	Explosion - Dust, gases, pressure vessels, chemical reactions
v	asdfasdf	Smoke Inhalation - Fire, welding fumes, chemical vapors
v	asdfasdf	Mechanical Handling - Cranes, forklifts, conveyors, hoists
v	asdfasdf	Storage Hazards - Stacking, racking, falling materials
v	asdfasdf	Transportation - Vehicle movement, loading, unloading

Risk Assessment

Item ID	User/Role	Task	Hazard	Initial Risk	Risk Reduction Measures	Residual Risk
1	v	asdfasdf	Explosion	High	1.3 Separate hazard/people in time and space, 2.2 Replace with less hazardous material	High
2	v	asdfasdf	Smoke Inhalation	High		High
3	v	asdfasdf	Mechanical Handling	High		High
4	v	asdfasdf	Storage Hazards	High	2 Substitution, 2.1 Replace with less hazardous material, 2.2 Replace with less hazardous material	High
5	v	asdfasdf	Transportation	High		High

Control System Assessment

Safety Function	Associated Hazard	Required Category	Actual Category	Control Type
Control for Explosion	v - asdfasdf - Explosion - Dust, Causes pressure vessel	Category 1	Category 1	Emergency Stop
Control for Smoke Inhalation	v - asdfasdf - Explosion - Dust, Causes pressure vessel	Category 1	Category 1	Pressure Sensitive Mat
Control for Mechanical Handling	v - asdfasdf - Explosion - Dust, Causes pressure vessel	Category 1	Category 1	Interlock
Control for Storage Hazards	v - asdfasdf - Explosion - Dust, Causes pressure vessel	Category 1	Category 1	Pressure Sensitive Mat
Control for Transportation	v - asdfasdf - Explosion - Dust, Causes pressure vessel	Category 1	Category 1	Emergency Stop

Alternative Methods

Task	Associated Hazard	Justification	Procedure	Engineering Controls
asdfasdf	v - asdfasdf - Explosion - Dust, gas	Pressure vessel, asdfasdf	Explosion. Alternative method provides equivalent protection.	
asdfasdf	v - asdfasdf - Explosion - Dust, gas	Pressure vessel, asdfasdf	Inhalation. Alternative method provides equivalent protection.	
asdfasdf	v - asdfasdf - Explosion - Dust, gas	Pressure vessel, asdfasdf	Mechanical Handling. Alternative method provides equivalent protection.	
asdfasdf	v - asdfasdf - Explosion - Dust, gas	Pressure vessel, asdfasdf	ASDF Hazards. Alternative method provides equivalent protection.	
asdfasdf	v - asdfasdf - Explosion - Dust, gas	Pressure vessel, asdfasdf	Transportation. Alternative method provides equivalent protection.	