

**Job Hazard Analysis (JHA)**

**Company Name:** Cascade Foods

**Date:** April 13<sup>th</sup>, 2021

**Unit Process:** Hazelnut Pyrolysis

Job Steps	Potential Hazards	Control (s)
Bucket Lift	Fallen shells onto workers' head or other extremities	Wear helmet and protective gear
		Wear metal toe shoes to protect feet
Pulverizing of shells	Caught or crushed injuries from the pulverizing machine	Don't wear loose clothing or have anything dangling off that could get caught in machine
	Inhalation of dust or tiny shell particles	Wear a respiration unit to filter the air in the area around pulverizing section
		Wear protective eye gear to prevent dust irritation
Pyrolizer	Leakage of potential hazardous off gas	Wear respiration unit to filter the air in the area around pyrolyzing section
		Know the predetermined evacuation plan in case of reactor failure
	Potentially flammable	Use proper eye and protective gear
		Use proper containment and valve fittings to insure no leakage
		Locate sprinkler system in case of emergency
	Potentially high pressure	Locate pressure relief valve and know what to do in case of over pressurization
High temperature	Wear protective eye wear and protective coat with close toed shoes	
Cooling chamber	Overfilling	Know predetermined overfill protocol
		Locate water lines and pumps in case of need to turn them off
		Locate alarm if cooling water fails
Conveyor Belt	Caught or crushed injuries from moving conveyor belt	Don't wear loose clothing or have anything dangling off that could get caught in machine