

IOWA-ILLINOIS SAFETY COUNCIL



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2023

Community Enrichment Award, President's Awards &
Chuck Goodman Safety In Excellence Award

COMMUNITY ENRICHMENT AWARD WINNER

Barilla America

Ames, Iowa



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Refugee Outreach Program

Barilla worked with the Iowa Department of Health and Human Services in 2022 to offer employment opportunities to refugees that had just arrived to the area and needed assistance acclimating.

We currently have a family of three full time and one part time office area cleaners working set schedules that are part of this program. This arrangement affords them the opportunity to work together at the same place, on the same shift, and allows them to carpool and pool their resources as they integrate into their new surroundings and country.

They currently work through a temporary agency, but Barilla is looking to potentially bring them on full time as well as increase the number of cleaners.

We plan to work with the Iowa Department of Health and Human Services to provide similar opportunities as they arise.

Benefits

This has provided this family the opportunity to become more familiar with everything as new members of our community in a manner that is less intimidating, and they can lean on and grow their internal support resources while Barilla benefits from their great work ethic and interaction.

Earth Day 2022

The site is ISO14001 certified and we were looking for a positive way to engage our team members and their families on how they can help make a sustainable future at work and at home and we sponsored a planting activity to coincide with Earth Day. Barilla purchased the different types of seedlings and plantings through the Iowa State Nursery that team members could sign up to take home and plant with their families.

Benefits:

Barilla team members and their families planted over 275 trees and shrubs throughout the surrounding communities, which meant more plants were planted than our site headcount. We actually had more demand than supply so one of our site's Employee Resource Groups (ERG) has turned it into an annual event and we already have this year's plants on order. The goal this year is to plant over 400 new plants.

Concern: Food Security

Food security is something that everyone at Barilla is passionate about as we strive each day to produce food we are proud to serve our own families. Covid-19 permanently stamped the lesson that our communities are part of our extended family, and acts of service are needed now more than ever.

Barilla has been an active partner for many years with Iowa based 501c3 certified Feeding America. Barilla donates and distributes a portion of the pasta and sauce we manufacture to those in need across the US. Product donation is to support organizations during normal socio-economic times and during times of unforeseen events.

In 2022, Barilla donated over \$725,000 dollars worth of product directly to food banks and non-profit service organizations' fundraising drives. Barilla's partnership with regional food banks and distribution centers allows us to donate and ship large amounts of palletized pasta allows product to be easily distributed to shelters and food pantries.

By Barilla defraying input costs for non-profit organizations, these service groups can concentrate their efforts on promoting their fundraisers, and increase the net effect of Barilla's donation exponentially. In the thank you letters received, we often learn that the physical effect of the meal is often eclipsed by the impact to peoples' spirit as they reconnect with each other in the simple act of sharing a meal. This is something to appreciate, especially as people work to restore their communal spirits after two years weathering a global pandemic.

Barilla is both humbled and appreciative that we are able to perform this service to our community here in Iowa.



President's Award

Hazard Control Safety Award Program



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Risk Reduction Through Relocation of Chemical Dispensing Stations

Before:



After:



The BASF Ames manufacturing facility worked with an interdepartmental team of employees to reduce the hazards associated with the work task of dispensing chemicals into buckets for small addition to production batches. Previously, employees would dispense chemicals from drums using a forklift drum manipulator attachment or a hand crank pump at floor level and would carry the full bucket up the stairs of a mezzanine to pour into the top of a production tank. The new storage system features a pallet rack storing the chemical drums on secondary containment skids at mezzanine level and a new manner for dispensing chemicals from drums using a gravity fed hand nozzles to fill buckets. The chemical drums now being accessible at the mezzanine level eliminates the need to walk up stairs carrying a heavy bucket, reduces potential exposure to the chemicals being handled, and shortens the overall time of the task significantly.



Severe Weather and Tornado Response Improvement

Before: Our site weather alarm was part of our main alarm system and could only be activated on the main system panels located in two areas. We are spread out over 90 acres so for the guard to get to one of those two if the alarm needed sounded while on rounds not only would put them in danger, it would delay notice to people on site.

After: We ran weather alarm activation relays to 4 other weather shelters. Now when the guard received the weather notice on their cell phone, they can go the shelter nearest them and activate the site alarm. We also added an “all clear” activation as well. If a second alert is issued while in the shelter they can also reactivate the alarm.

After Photo



Cryotech Deicing Technology – Fort Madison, IA

Tarp Spreader Forklift Attachment

Before Photo



After Photo



Before: Truck drivers were exposed to fall hazards while tarping flatbed loads. Drivers would climb on top of loads and drag tarps over the loads at heights of up to twelve feet without any form of fall protection. Fall protection options were limited because the drivers were not employees and any system requiring training was not practical.

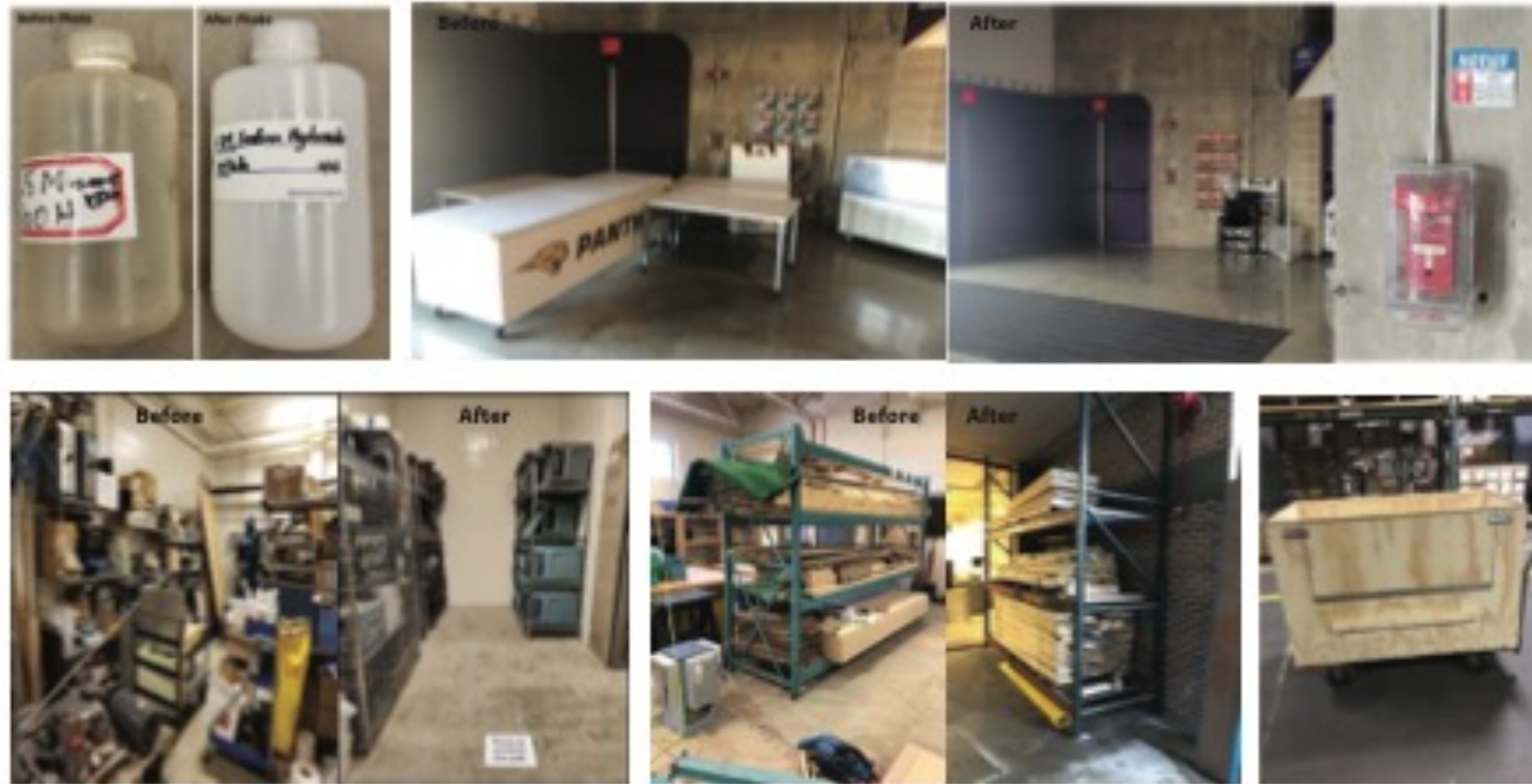
After: The tarp spreader attaches to a forklift. After the tarp is spread out it is attached to the tarp spreader. The tarp is lifted and pulled over the load by the forklift. The tarp may then be secured with straps from the ground. The purchase price of the device was less than \$2500. This is an extremely cost-effective means to eliminate this serious hazard.



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University of Northern Iowa – Cedar Falls, IA

Multi-department Update



Through a group effort, many different departments at the University of Northern Iowa worked together to eliminate hazards and update their housekeeping standards around campus. These projects included mandating that HDPE bottles get replaced every 5 years due to becoming brittle over time, being diligent about making sure exit pathways in the Athletic department are clear from equipment and significant space is given to pull stations, making sure pallet racking is secured to the ground by bolts and heavy items are placed on the bottom rack to ensure they aren't too top heavy, cleaning out and reorganizing a basement area to prevent and eliminate tripping hazards and proper storage of items, teaming up with an architect team to create a safe working environment for employees in the Strayer-Wood Theatre by installing metal hand rails in the crossing area and creating a metal frame with hand rails to go over ductwork to get to and from the equipment room, and having carpenters at the University modify rolling carts by adding side doors for employees to easily retrieve items without having to strain their back and shoulders from bending over and into the carts.



John Deere Des Moines Works – Ankeny, IA

R4023 Front Steering Arm Install, Hammer Reduction in Sprayers Business Unit

Before: The cast steering arm bracket is a snug fit making it difficult to fit it onto the shaft as the center of gravity is offset. Employees would use approximately 30 hammer blows per knee to seat it, causing ergonomic and safety issues along with having to touch up the finish on the bracket due to the quality being impacted by the hammer blows. Hammers were constantly being replaced. Metrics before: SERA score – 24 / BERA score – 60

Based upon an employee suggestion, a cross functional internal team designed and fabricated a tool that fits over the knee shaft and presses on top of the steering arm. By utilizing a pre-existing threaded hole on the shaft, a standard air impact evenly pulls the casting arm bracket onto the shaft. The tool is then removed after assembly.

Metrics after:

- SERA score – 2
- BERA score – 4
- Savings – 20% ROI
due to tool usage and time savings.
- Quality – No finish touch up
required, better fit of arm onto shaft.

Before



After



CHUCK GOODMAN EXCELLENCE IN SAFETY AWARD



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Vactor Manufacturing – Streator, IL

