

Safe-in-Sound Excellence Award



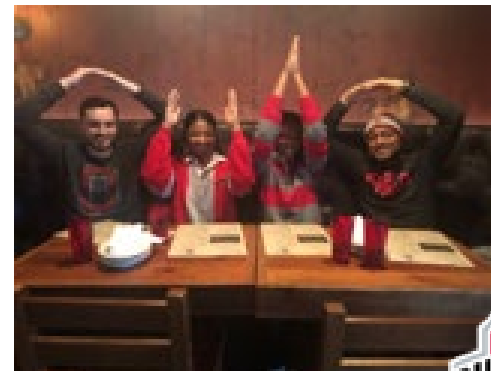
managed by **Honeywell FM&T**

February 7, 2025



About Me – Alyson Gray

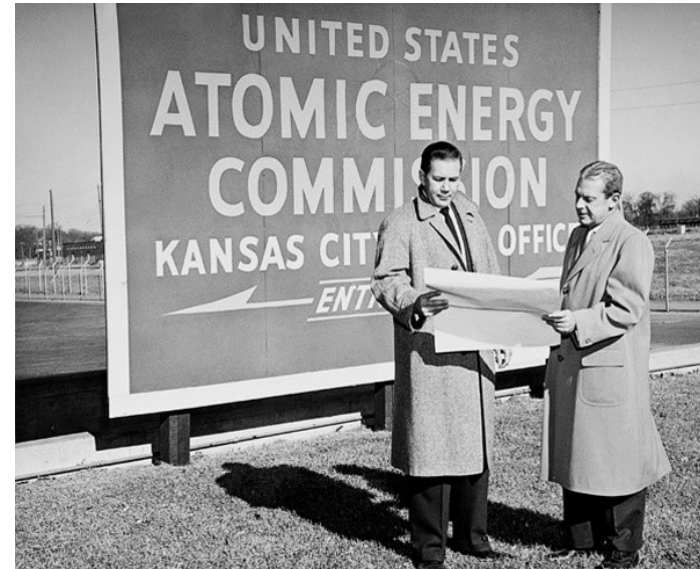
- **Born and raised in Northeast Ohio**
- **Education**
 - o BSPH from The Ohio State University
 - o MS OEH from the University of Iowa
- **Career**
 - o 6.5 years at KCNSC
 - o HS&E Program Owner
 - o Area Point of Contact
 - o Strategy Projects



KCNSC Overview

- **The Kansas City National Security Campus (KCNSC) is a Department of Energy (DOE) facility managed by Honeywell Federal Manufacturing & Technologies (FM&T)**
 - o Delivers more than 80% of non-nuclear components that go into the country's nuclear stockpile
 - o Established in 1949 via the Atomic Energy Commission
 - o 7000+ employees and growing

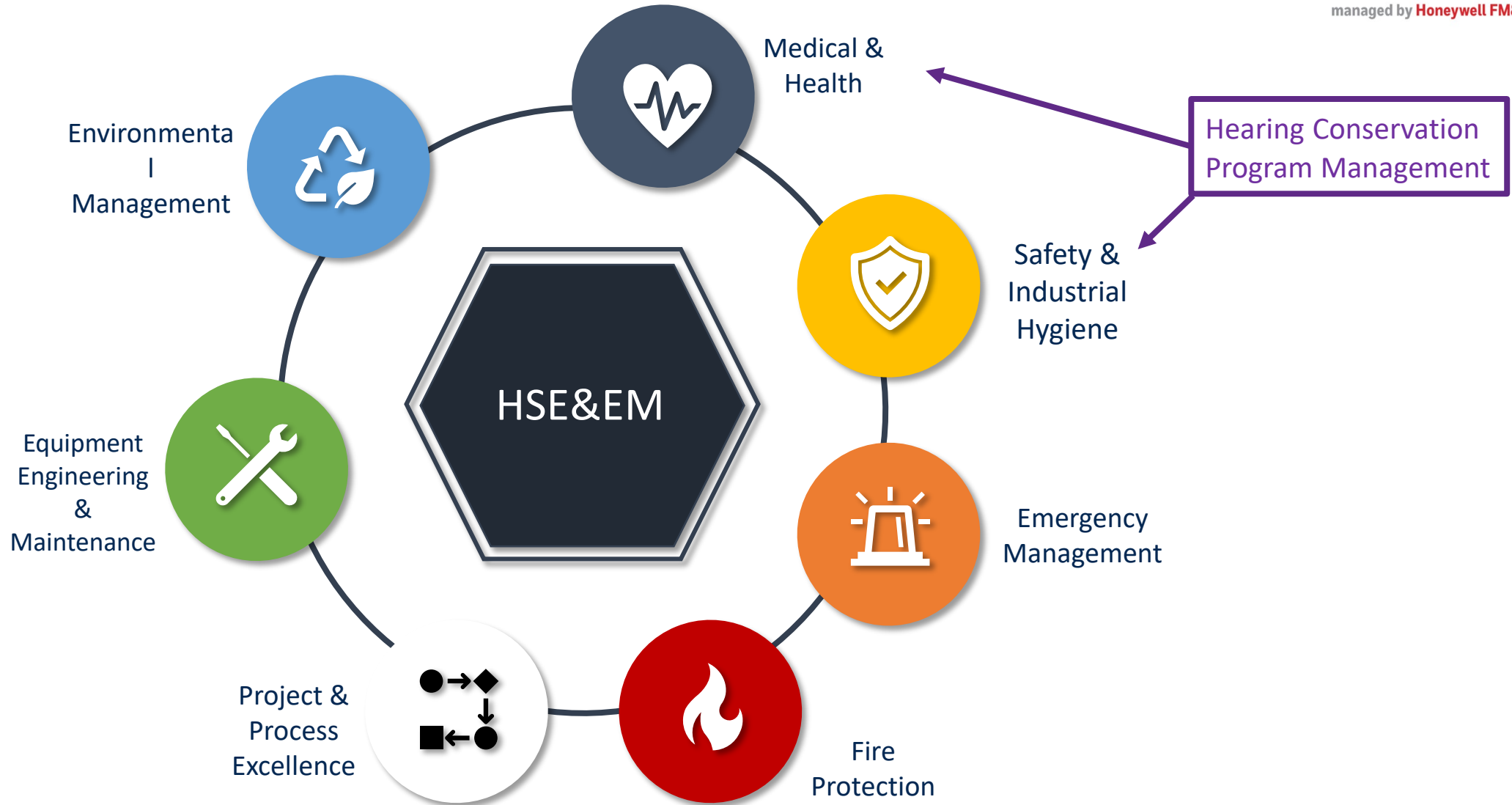
- **KCNSCs is one of 8 sites within the DOE's National Nuclear Security Administration (NNSA), and is tasked with missions involving:**
 - o Nuclear Weapons Programs
 - o Global Security
 - o Supply Chain Management Center



KCNSC Overview



KCNSC HS&E Overview



KCSNC HS&E Overview

- Highlights

- Safety Culture Initiatives
- HSE&EM Collaboration
- Program Benchmarking

- Potential Obstacles

- Unique Customers
- Total Facility Sq. Ft. = 2 million
- Security/Technology Requirements
- Variety of Processes
 - 214,000 active part numbers
- 57% of workforce: 5 years or less service time



“The safety department plays a vital part in the daily lives and well-being of all our personnel,”
Bendix News, Jan. 1952



Hearing Conservation Program (HCP) Highlights

Program Structure

- Compliance with 10 CFR 851 and Honeywell Corporate Procedure
 - ACGIH TLV Book (2016)
 - Noise ≥80 dBA triggers action
 - Noise ≥85 dBA hearing protection required
- 197 employees Enrolled in HCP
 - Annual Training, Audiometric Exam

Medical Care Services

- Personnel performing audiograms are CAOHC certified
- Dedicated room for hearing tests with sound booth
- Audiometric exam
 - Instruct on proper use of HPD with return demonstration
 - HCI: Audiometric Data Management Vendor
 - Test results and HCI notification letter provided to employee
- Early identification of “imminent hearing shifts”
- No work-related STS in the last 5+ years

PART 851—WORKER SAFETY AND HEALTH PROGRAM

Subpart A—General Provisions

- Sec.
- 851.1 Scope and purpose.
 - 851.2 Exclusions.
 - 851.3 Definitions.
 - 851.4 Compliance order.
 - 851.5 Enforcement.
 - 851.6 Petitions for generally applicable rule-making.
 - 851.7 Request for a binding interpretive ruling.
 - 851.8 Informal requests for information.

Risk Management

- **HS&E Annual Risk Assessment**
 - o Completed in collaboration with ISC, Engineering partners
- **Management of Change**
 - o Primary hazard identification tool HSE&EM uses to review proposed changes to processes, materials, production spaces
- **3 Year Site-Wide Noise Survey**
 - o Follow-up assessments on areas with potential high noise



Risk Management

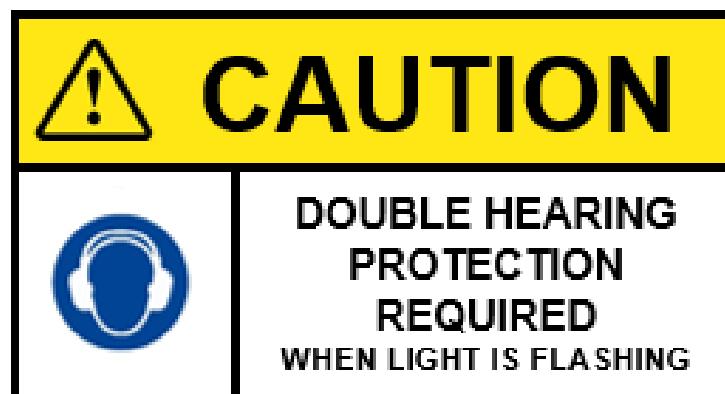
HS&E Annual Risk Assessment

	Site	FM&T NSC (M	Cell								Date:		
	POTENTIAL HAZARD	Risk Profile									Applicability	Assessment Rationale	
		RSK/ SIG	FE/ FRE	MPL	NP/ IA	RC	HRN	RRN	Haz	Risk			
Question #									Ratin	Ratin			
17	Injury from exposure to hazardous noise	1	4	5	2	1	240	40	Priority	Minimal	Routine operations (Occurs > monthly)		

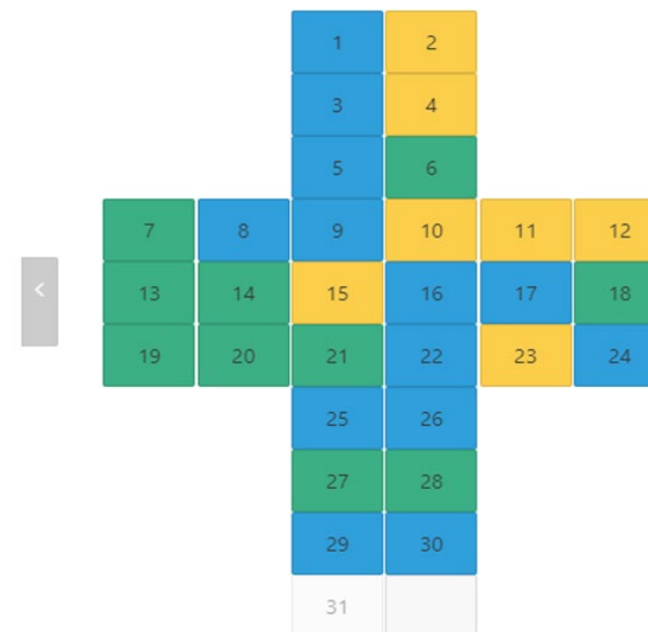
HS&E Communications

HS&E makes use of site-wide lines of communication to share awareness

- Tier Meetings
- Toolbox Talks
 - Safety Moment Messages
- Knowledge Shares
- Visual Management
 - ANSI Z535 compliance



Safety



- No OSHA / First Aid Event
- Improvement / Intervention
- First Aid Event
- OSHA Recordable

HS&E Communications

Safety at Home

Companies spend countless hours every year talking about safety in the workplace. Did you know these safety principles can also be taken home to your family?

Safety Checklist for Home

- Are there working smoke alarms and carbon monoxide detectors in the house?
- Are traffic areas and stairs free of clutter to prevent slips, trips, and falls?
- Is lighting adequate in all traffic areas, including sidewalks, entrance areas, basements, and stairways?
- Are chemicals and other harmful substances locked up to protect small children and pets?
- Do you and other family members wear proper PPE when doing yard work, such as wearing hearing protection and safety glasses while mowing and weed trimming?
- If you have a pool, does it have a proper fence and locking gate?

Take safety in the home seriously to help protect yourself and your loved ones.

HS&E Discussion:

- Have you taken safety principles you have learned here home? If so, give an example?



The Department of Energy's Kansas City National Security Campus is operated and managed by Honeywell

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Hearing Protection

Do you know the proper way to insert ear plugs?



Source: National Institute for Occupational Safety & Health (NIOSH)

1. **Roll** the earplug into a small, thin "snake" with your fingers.
2. **Pull** the top of your ear up and back with your opposite hand to straighten out your ear canal.
3. **Hold** the earplug in with your finger until it expands to fill the ear canal.

Hearing protection is required at the Kansas City National Security Campus when:

- Entering an area or operating equipment with signage stating "Hearing Protection Required"
- Enrolled in the Hearing Conservation Program (HCP)
 - o Employees are enrolled in the HCP when routinely exposed to the action level described in

Various types of hearing protection are available in stores (Order on Request):

- Push-ins Earplug w/ Cord
- Earplug HEP-3 Howard Leight
- Max Earplug
- Ear Muff Blisom HEP-1
- E.A.R. Ultra Fit Earplug w/ Cord
- Ear Muff Peltor Model H10A
- Carboflex HEP-3 Model 600
- Ear Muff 3M1426

Call to Action: Turn Your Safety Cross Blue

- For any questions or concerns regarding noise within your area, review or speak with your HS&E Point of Contact.
- Are there concerns regarding noise in your area?



The Department of Energy's Kansas City National Security Campus is managed and operated by Honeywell Federal Manufacturing & Technologies, LLC under contract number DE-NA00002328

Employee Engagement

Good Catch System

- A Good Catch is an employee recognition of a hazard or HSE issue that they act to address/correct
- HSE investigates each concern and creates an action plan to address
- Concern Review Team meets monthly to review concerns to ensure proper action has been taken before closure.



DATE	GOOD CATCH DESCRIPTION	HSE INTERVENTION
10.22.24	Contractor was using a backpack blower on paved area. I walked up to him to see if he was wearing hearing protection, he was not.	<ul style="list-style-type: none"> • HSE engineer obtained ear plugs for him to use. • Contractor put them in and thanked HSE.
6.26.24	HASS tester sounds like a lawnmower. Engineering has verified the tester is running fine, but noise level is high enough it might be a noise hazard. Would like to get a noise evaluation done to ensure the safety of inspectors in the area.	<ul style="list-style-type: none"> • Noise survey performed. • Highest decibel measured was 80.7 dBA. • HASS tester fan/motor reviewed; a part was ordered to fix the issue. Fan was replaced. • Post area noise survey was performed. All noise measured was below 70 dBA.
5.9.24	Request for a sound study on the M60 crush grinder	<ul style="list-style-type: none"> • Personal Dosimetry performed. • Letter sent to ee w/ results & follow up actions. • Maintenance work completed. • Post noise assessment completed. Highest measured decibel was 77.1 dBA.

Continuous Improvement Initiatives

Problem

- Hearing aids must be approved for use by tech security. Bluetooth/wireless devices are not allowed in classified areas.
- Most hearing aids have Bluetooth/wireless capabilities.
 - Hearing aids without these capabilities are difficult to find
- Employees disgruntled over finding and purchasing dumbed-down hearing aids.

Solution

- KCNSC partnered with Dr. Kelly Spiller to provide custom made plant-approved devices to employees.
- Hearing aids are free of charge for the employee.
- HR department negotiated increased insurance coverage for hearing aids.
- Employees now able to have work-approved devices and at-home devices with advanced technology.



ReSound Key Non-Wireless CIC



Unitron Inera B-312 NW O

Continuous Improvement Initiatives

Dewar Fill Station Noise Reduction

Team	Problem	Action Taken	Results	Owner	Timing
Brandon Stark Alyson Gray Danny Widrig Sam Blosser Elijah Barber Kait Ruether Mark Kanenbley	High Pressure Dewar vented to atmosphere during filling process. <ul style="list-style-type: none"> O2 Deficiency Hazard High Noise Level Potential Frost Bite 	<ol style="list-style-type: none"> Key takeaway from HS&E benchmarking used. LEV installed. Noise baffle installed. Gas discharge piping modified with rigid install. 	<ol style="list-style-type: none"> Venting of nitrogen gas from LN2 dewar captured by LEV (Local Exhaust Ventilation). Noise reduced by 20 dBA. Hearing Protection no longer required. Oxygen Deficiency Hazard Assessment no longer required. FGDS O2 sensor not required. HS&E Benchmarking Pays off. 	Mark Kanenbley	Implemented October 2024

Before Improvement



After Improvement



LOOKING TO THE FUTURE

- Project Results and Benefits

- Evidence of benefit to relationship with other divisions
- Engagement to identify OFIs
- Benchmarking helps

- Plans for Future

- Expanding hearing aid service to NM site
- Maintaining status quo with expansion (KC NExT; +1.5 mil. sq. ft.)
- Continued engagement & involvement of production floor employees in HS&E initiatives



Safe-in-Sound Excellence in Hearing Loss Prevention Team



Thank you to the award sponsors!





For more information:

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