

2020 Annual Report



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INTRODUCTION

2020 saw unprecedented challenges as a result of the COVID-19 pandemic. Impacts to the university necessitated that departments alter priorities to meet the needs of the campus community and ensure continued operations while providing for the safety and health of students, faculty, staff and visitors. The department of Environmental Health and Safety (EHS) was heavily involved in COVID-19 related safety, health and policy response activities. Due to closures, social distancing criteria, and staffing limitations, some routine EHS activities were altered or suspended. Waste costs, training numbers and other statistics presented for 2020 may be atypical.

COVID-19 Activities

This section highlights EHS activities in response to COVID-19. EHS staff engaged in threat mitigation, personal protective equipment (PPE) guidance and acquisition, health and safety consultation, training, rapid response fit testing, and other activities as summarized in the following. Impacts of COVID-19 are also reflected throughout the [EHS Annual Report and Metrics](#) in reduced or increased activities. EHS developed the first K-State COVID-19 training, initial sanitation-specific website, and cursory guidance on mask use and social distancing. EHS later collaborated with other departments on the evolution of COVID-19 training, web-based guidance and response procedures.

- Participate in response teams and committees (e.g., IDAC, Ad Hoc Emergency Group, EMWG, IMT, COVID19 Face Covering Training team, Reawakening Policies and Protocols Group, H&D planning group, Planning Group for the community fabric mask volunteer effort)
- Provided transportation for quarantine students and faculty (on-campus residents and those arriving from out of country)
 - Develop PPE and procedures protocol and provide (instructor led) training for essential staff and response groups (e.g., Facilities, Custodial Services, H&D). Acknowledgement to URCO and BRI biosafety staff that assisted with instruction of later trainings.
 - Create original campus COVID-19/Mask online training. Worked with HCS to develop revised COVID “Come Back Cats” online training. [Safety and training \(k-state.edu\)](https://www.k-state.edu/safety/training)
 - Researched fabric mask options and helped develop procedures, design and waiver for the KSU volunteer mask making project sponsored by college of Health and Human Sciences. Collected donated masks at central receiving point and transported to Riley County Emergency Management throughout project term. See SEEK article.
- Review and comment on proposed campus COVID-19 policies and guidance and develop website postings for masks and social distancing (for campus COVID site). Provide topic-specific information on EHS webpage (e.g., mask/respirators; alcohol guidance; hand washing) for items not hosted on COVID site. www.k-state.edu/safety/covid-19/
- Develop topic-specific guidance *documents* (i.e., original cleaning guidance, original COVID-19 distance and mask guidance, sanitizer guidance, barrier guidance) distributed to users or posted.



- Moved required monthly and other training provided by EHS to online or zoom delivery to avoid gatherings in compliance with social distancing.
- Review departmental reawakening plans.
- Developed re-opening (and initial closure) guidance for laboratories in cooperation with VPR.
- Review, comment and provide testing for N95 disinfection efforts. Review BRI plan for mask decontamination and write transport portion for Lafene. Research all N95-specific decontamination technologies.
- Research PPE options and efficacy (e.g., protective for classroom situations, different mask types). Work with vendors, Polytech, Facilities Storeroom, and Purchasing to vet options and products.
- Help identify and review vendor options for hand sanitizer and product efficacy (literature reviews, FDA approval data, researcher input, etc.).
- Review Facilities provided cleaning guidance. Create initial guidance prior to this document. Respond to campus inquiries regarding cleaning agent and application method safety.
- Respond to initial calls and inquiries on positive/suspect cases related to work protocols, close contacts, cleaning and next steps. Work with HCS and Lafene to develop draft guidance for contacts to respond to customer questions (ultimately provided to Elliot Young).
- Purchase PPE for campus needs. EHS Safety unit maintained campus emergency PPE inventory and provided reporting to the K-State Incident Management Team (IMT). Worked with Facilities Storeroom to identify and stock appropriate PPE and COVID supplies.
- Attend planning meetings, interview other institutions, and research methodologies for sanitary sewer COVID-19 testing.
- Performed testing of particulate levels to assess efficacy of HVAC filtering system options for Facilities.
- Tested classroom local ventilation efficacy post remodel/pre-opening (those not part of a central HVAC upgrade)
- Sampled water quality in all major buildings on main campus and Veterinary school (post campus closure) before fall semester reopening (490 tests conducted).
- Provide Lafene Health Center EHS room HEPA air system for use in their COVID-19 patient rooms. Test pressure differentials in COVID-19 patient rooms. Troubleshoot non-functioning Lafene-purchased unit.
- Conduct (pre-purchase) reviews of foreign N95 alternatives (e.g., technical reviews, FDA listings, vendor tech data) to inform various departments and Facilities Storeroom.
- Respond on emergency basis to respirator use approvals and fit testing (e.g., for VetMed, Lafene and others). Developed voluntary use guidance and waivers.
- Alcohol product specification, purchase coordination, and storage of bulk inventory (including purchase of code-compliant storage unit to manage bulk drums at the HW facility). Conducted assessment of campus buildings to determine fire code approved locations and volumes for placement of hand sanitizers.



COVID-19 Online Training Summary

- | | |
|---|------|
| • COVID-19 (original) online trainings completed: | 4110 |
| • Comeback Cats COVID online trainings completed: | 2969 |

EHS Department Annual Report and Metrics

TEAM HIGHLIGHTS

Employee Awards

- Lorie Glaser awarded the 2019 Employee of the Year.
- Raymond Boller awarded the 2019 Award of Excellence.

Training, Policy and Outreach

- Developed autoclave requirements and online training.
- Developed university-specific “sharps” online training and revised procedures
- Published the Industrial and Utility Mobile Equipment Policy – PPM 3720.110
- Published the Hazardous Materials Shipping and Receiving webpage.
- Created custom online hazardous waste awareness and refresher trainings (previously provided monthly in-person/instructor led).
- Created *online* hazardous waste awareness and refresher trainings for campus-wide accessibility. www.k-state.edu/safety/environmental/shipping-receiving/

General

- Conducted expired and high hazard chemical clean-outs throughout Burt Hall laboratories and conducted removals from CBC and King Hall. Complete audit of Burt Hall chem/biochem labs.
- Renewed the university’s radioactive materials broad scope license.

FIRE SAFETY

The Fire Safety unit is responsible for compliance inspections/audits, life safety equipment inspection and testing, and review of all construction and renovation projects for compliance to fire code. The KSU Fire Marshal – a state-commissioned fire inspector - performs annual inspections of >90% of K-State campuses and other occupied satellite buildings (>10M square feet) in cooperation with the Kansas State Fire Marshal Office (KSFM). This year due to personnel illness, most annual compliance inspections were completed by inspectors from KSFM, who were joined by other KSU fire safety personnel.

Between CY 2017 and 2020, the total number of **square footage** falling under the fire safety program purview **increased 33,265 square feet**. Four new buildings or structures were added to inspection responsibility.

Code Compliance and Annual Fire Inspections

Compliance inspections and construction related code plan reviews and inspections are conducted by the EHS fire marshal. These services include most KSU occupied spaces (i.e., main campus, satellite campuses, student union, and Housing and Dining). KSFM representatives inspect KSU buildings four stories and higher in cooperation with the EHS fire marshal. Fire code compliance consultation is also provided for special events (e.g., rodeo, McCain events, etc.), for research and student group activities (e.g., engineering Rocket Club) and for general campus community inquiries. The following summarizes

the activities of the KSU EHS fire safety unit related to fire code compliance annual inspections, corrective actions, and construction related reviews.

- 112 Building-Wide Annual Fire Safety (code compliance) Inspections - Totaling **9,381,979 sq. ft.**
- 663 Citations Issued and Corrective Actions Tracked
- 5 Special events (e.g., football games, rodeos)
- 131 Hot Work permits issued
- 30 Fire watch reports reviewed

Fire Equipment Testing and Inspection

The testing and inspection of Fire and Life Safety equipment and systems is managed by EHS for most facilities at KSU (excluding Housing and Dining). These services are conducted through a contractor (Johnson Controls) or by internal staff within the EHS Fire Safety unit. Table 1 provides a summary of the actual number of fire and life safety equipment and system tests and inspections performed in the calendar year 2020 at KSU that are managed or performed by EHS.

Contractor costs, related expenditures and billing data detail is available upon request.

Information on annual system testing schedules is provided on the EHS Fire website. Articles are also published in K-State Today in advance of annual emergency lighting tests when appropriate to lesson disruption to occupant activities. Tests are conducted before the start of the work shift.



Image: Code Compliance Inspection – Randy Slover

Table 1 Fire Equipment Inspection and Testing Activity FY2020

Number of Life Safety Equipment Inspections and Tests Conducted CY2020			
Number		EHS Staff	Contracted
150	Fire Hydrants		x
1508	Fire Alarm Panel Weekly Inspection	x	
464	Fire Alarm System Test and Inspect		x
260	Fire Suppression System Test and Inspect		x
3328	Fire Suppression System Weekly Inspection		x
16	Chemical Suppression Systems		x
2926	Annual Extinguisher Test/Replace		x
80785	Monthly Exit Sign/Emergency Light Tests	x	
35411	Monthly Fire Extinguisher Inspections	x	
7184	Annual Exit Sign/Emergency Light Tests	x	
132032	Total	124,888	7144

Fire Safety Outreach and Training

The fire safety unit provides outreach and training and responds to inquiries related to general fire safety. Scheduled fire extinguisher training is advertised through K-State Today (via HCS) and the EHS website.

In CY2020 training activities reduced due to COVID-19 related conditions. Fire Prevention week activities were cancelled to prevent large gathering.

- 16 Fire extinguisher classes delivered
- 117 People (faculty, students, and staff) trained on fire extinguisher use
- 0 Days of Fire Prevention Week Activities on any campus location

Fires and Alarms Reported

K-State compiles with fire incident data reporting under the Cleary Act. Fire statistics data is collected by EHS to inform the annual campus Clery report. The Manhattan Fire Department responded to **138 calls** in CY2020. The following were the only fire events recorded.

Fire Events in CY 2020

Date/time: 11/13/2020

Location: 1800 Denison Ave

Damage: \$2,000

Description: Passenger vehicle fire

Date/time: 10/18/2020 at 12:21 pm

Location: Moore Hall (1401 Claflin Road)

Damage: \$0

Description: Detector activation, no fire – unintentional

Date/time: 08/20/20

Location: Van Zile Dining Center (1304 PETTICOAT LN)

Damage: \$0

Description: Cooking fire, confined to container

Date/time: 08/18/2020

Location: Goodnow Hall (1825 Claflin Rd)

Damage: \$0

Description: Alarm system activation, no fire - unintentional

Date/time: 06/25/2020

Location: Parking lot B11

Damage: \$0

Description: Dumpster fire

Date/time: 02/28/20

Location: Recreation Center (1831 Olympic Street)

Damage: \$12,000

Description: Heat melted lighting fixture, resulting in damage to lighting and gym floor, small fire and smoke in building. Un-intentional

OCCUPATIONAL SAFETY AND HEALTH

Program provides for the identification and control of chemical, physical, and biological hazards in the working, research and teaching environment and compliance with applicable regulations and standards to ensure the safety and health of the campus community.

Summary Data

544	labs registered (emergency contacts tracked for all registered labs).
552	chemical fume hoods (477 tests performed CY20; typical average 680 tests annually)
89	respirator users enrolled in EHS-managed plan. Conduct 50-80 respirator fit tests annually
123	occupational medicals coordinated (hazardous materials, respirator users, asbestos workers)
65	asbestos inspections in CY20; [CY19 100 inspections]; ~300 samples/yr average
52	pool inspections (2019); closed most of 2020
374	food plans reviewed (2019)
30	IACUC facility inspections semiannually (committee membership)
228	Injury reports reviewed in CY20
	(FY19: 436 injuries, 1200 lost work days due to work injury, ~\$800K claim costs)

Committee Work

Institutional Biosafety Committee: scheduled monthly, 22 meetings in 2020

Inspections	27 rooms
Protocol Review	106 protocols

Institutional Animal Care & Use Committee: scheduled bimonthly, 30 meetings in 2020

Inspections are done semiannual at all locations using animals	
Initial Protocol Review	58 protocols
Committee Protocol Review	146 protocols
IACUC policy review	15 policies

Campus EHS Committee – Monthly Meetings that include review of College/Department level EHS Committee annual progress reporting.

Service and Maintenance Personnel Safety Committee – meetings were moved from monthly to quarterly. Committee participated in final vetting of the mobile equipment. Change to quarterly meetings for 2021.

Sanitation and Environmental Health

Food Approval for events on Campus

College of Business 36 events (23 before shutdown)

Through Room Scheduling 70 events (40 before shutdown)

Checked water quality in all major buildings on main campus and Veterinary school before fall semester reopening

51 Buildings with 490 tests

Medical Surveillance and Clearance

Medical Surveillance or Clearances Processed

76 Respiratory Protection (Hazmat, Respirator, Asbestos)

- 9 EHS
- 58 Facilities
- 6 H&D
- 1 Physics
- 1 URCO
- 1 Vet Med

26 Hearing Evaluations

Respiratory Protection

105 Number of quantitative fit tests conducted and enrollment reviews

- 1 CVM
- 43 EHS
- 44 Facilities
- 13 H&D
- 4 Lafene

130 Qualitative Bitrex Fit Tests conducted

166 Voluntary use waivers and testing

Fume Hoods

EHS inspects chemical hoods (fume hoods) annually and performs testing to assess hood performance (face velocity and smoke assessments). There are **552 registered hoods**. Due to repair needs and other factors not all hoods are operational within a calendar year and some hoods may be tested more than once annually (i.e., re-inspections).

	Annual Inspections Conducted	Re-inspections Conducted	Total FH Inspections Conducted
CY20**	477	30	507

CY19*	515	57	575
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*Annual inspections of Ackert Hall were postponed due to required maintenance on these units. Three hoods were under renovation in other areas.

**75 hoods (of 552) not tested in CY20 were completed by March 2021. Testing & inspections were delayed due to COVID, labs in hibernation and reduced EHS student staffing.

Asbestos/Lead Inspections

Asbestos Assessments

	Asbestos inspections conducted	Bulk samples collected
CY20	65	295

Lead Surveys

Lead Hazard Risk Assessments

CY20	2
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Incident/Accident Reports

The following are reported incident/injuries. These data are from total reports submitted to the K-State electronic incident reporting system (eIRS). Lost work days and workers compensation claim costs are provided by the State and were not received for CY20 data at the time of this report. In CY19 there were KSU incidents resulted in 1200 lost work days due to work injury and ~\$800K in claim costs.

	Faculty/ Staff	Student Employees	Student (non- employee)	Volunteer	Visitor/ Contractor	Total Reports Submitted CY20
CY20	228	38	11	0	2	279
CY19						436

Occupational Safety Protective Equipment Inspections

176	Fall Protection Equipment Inspected
42	Electrical Gloves Change Out (Twice a Year)

Hazard Assessments and Projects

- Coordinate and review third party Dust Hazard Assessments for Throckmorton and Kruse Feed Mill.
- Construction Projects Support Examples
 - Bluement hood/ventilation review
 - Kruse Feed Mill Project code hazard control equipment reviews
 - Engineering fume hood installations

ENVIRONMENTAL COMPLIANCE

EHS manages the environmental compliance program for K-State including developing mandated programs and plans; managing environmental permits and remediation sites; providing related training, and submitting reports in compliance with applicable regulations.

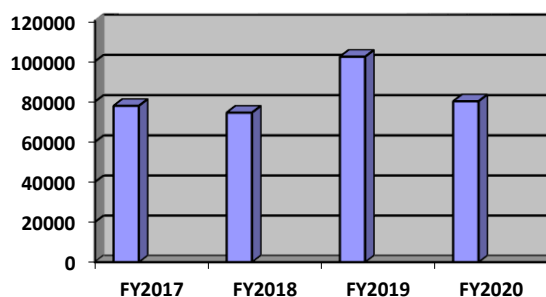
Waste Management

EHS manages hazardous waste streams generated through K-State activities. This includes resource conservation and recovery act (RCRA) regulated “hazardous waste” [primarily chemical wastes] and “universal waste” [e.g., light bulbs, batteries, mercury switches – often recyclable materials] and other wastes that are restricted from disposal by other means due to local ordinance or state statute, including other potentially toxic substances and specifically regulated “medical” waste (biohazardous waste). EHS responds to hazardous waste pick up requests on Manhattan campus **within 3 days**.

Pounds of hazardous waste (HW) and universal or non-HW sent for disposal or recycling.

FY2020	80,215
FY2019	102,323
FY2018	74,563
FY2017	77,926

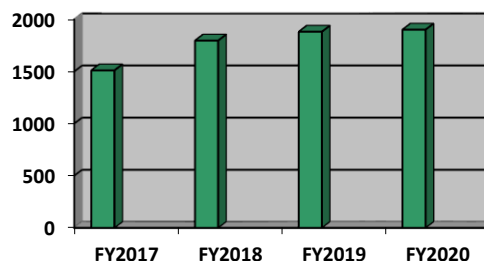
Pounds of Regulated Waste Disposed



Number of pickups performed by EHS staff of HW & non-HW

FY2020	1,902
FY2019	1,882
FY2018	1,797
FY2017	1,511

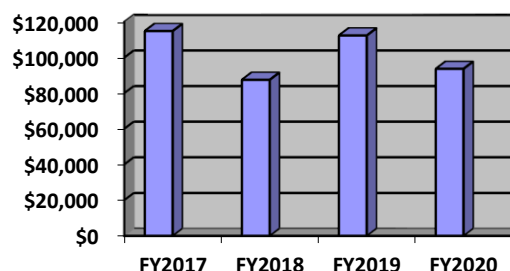
Number of Waste Pickups



Cost of HW, non-HW or universal waste sent for disposal.

FY2020	\$93,702
FY2019	\$112,471
FY2018	\$87,564
FY2017	\$114,947

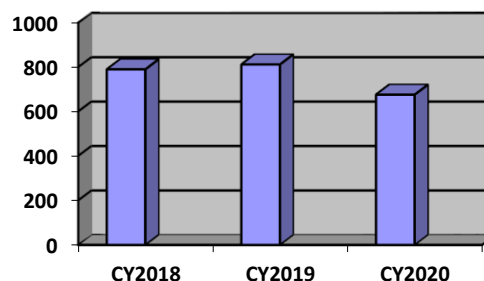
HW and Non-HW Disposal Costs



Containers of biohazardous (medical) managed and disposed.

CY2020	676
CY2019	812
CY2018	790

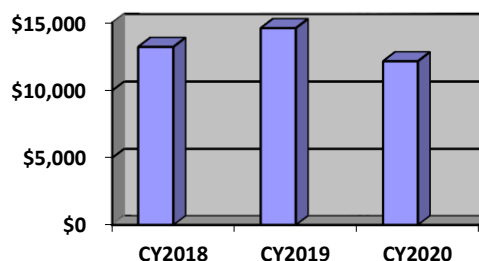
Biohazardous Waste Amount



Cost of medical/biohazardous waste sent for disposal.

CY2020	\$12,168
CY2019	\$14,616
CY2018	\$14,202

Biohazardous Waste Disposal Costs



Non-Routine Chemical Management

Laboratory Clean Outs

Laboratory clean outs are performed when large inventories of chemicals (≥ 30) must be disposed including laboratory closures, cleaning out expired/unwanted chemical stores, or in response to discovered unclaimed materials.

	CY2019	CY2020
Number of laboratories/areas clean outs performed:	28	24
Number of unique laboratories/areas cleared:	24	22
Number of containers removed	1,867	2,491

(These numbers are a subset of the total waste numbers presented in the waste management section)

Academic Program Collaboration

In 2020 EHS hosted an intern from the College of Engineering Pollution Prevention Program. The intern assisted in reviewing waste reduction opportunities and chemical inventory processes on campus.

High Hazard Chemical Removals



High hazard chemical removals are conducted when chemicals are discovered that present a dangerous condition. This involves removal of chemicals that have or may become unstable and pose a risk of uncontrolled reaction. It requires mobilization of a contracted high hazard team, advanced planning of building or area specific evacuation, notification of emergency services and PD, and site control performed by EHS to ensure safety.

	CY2019	CY2020
Number of high hazard removal events performed	6	4
Number of high hazard chemical containers removed	38	87
High hazard chemical removal costs	\$19,290	\$4,454

(These numbers are a subset of the total hazardous waste numbers reported. The high hazard removal cost does not include the disposal cost in all instances listed herein.)

Hazardous Materials Response

The university has an in-house hazardous materials response team. EHS provides training annually (≥ 8 hours) to team members to maintain certifications and readiness and maintains response supplies and equipment (e.g., SCBAs, spill materials, instruments).

Hazardous Materials Spill/Release Response Team	CY2019	CY2020
Certified team members	12	8
Number of spill responses performed	14	15
Number of reportable environmental releases	1	0

Chargebacks: FY2020

\$44,857.49 in chargebacks:

- \$ 42,692.49 for hazardous waste, medical waste and light bulbs.
- \$2,165 for storage tank registrations and two emergency generator registration.

Permits

Maintained compliance with permit requirements for the Clean Air Act, Clean Water Act and Storage Tank regulations (including 137-plus air emissions sources, two air permits, 4+ discharge permits, 5 underground storage tanks [UST] and 17 above ground storage tanks [AST]).

See KDHE Inspections/Notices

Hazardous Waste Training

In May 2020, Hazardous Waste Awareness training and refresher courses were moved to the VIVID online learning management system, replacing instructor led (in-person) trainings. **381 completed hazardous waste training.**

2020

- 328 persons completed the Initial Hazardous Waste training
- 53 persons completed in-person trainings.

2019

- 396 persons completed in person Hazardous Waste Awareness training.

Hazardous Materials Response Training 2020

- 17 Hazwoper 8 hr refresher certifications

KDHE Inspections, Notices

Hazardous Waste Program: KDHE conducted a Hazardous Waste inspection at Kanas State University 90-day storage site and satellite accumulation areas on campus on May 7, 8 and 9, 2019. Violations found during the inspection were corrected.

Air Program: The KDHE conducted a regulatory compliance inspection on July 15, 2020. The program was found to be in compliance. In 2019, KDHE Construction Approval for two emergency generators were obtained.

Old Chemical Waste Landfill

Testing, reporting, operating and maintenance costs for the Old Chemical Waste Landfill:

FY2020: \$110,382.49

FY2019: \$84,069

FY2018: \$59,569

FY2017: \$83,976

FY2016: \$72,955

RADIATION SAFETY

Summary Radiation Data

- 113 authorized users under the KSU radioactive materials license; 1 nuclear reactor
- >1000 lbs radioactive equipment and materials waste disposed/managed
- 74 RAM packages received centrally (2019)
- 4400 exposure dosimeters issued and tracked to 685 medical surveillance participants
- 2152 swipe samples collected and processed annually from monthly inspections of 52 rad labs
- 133 swipes samples annually from equipment and lab clean outs
- 59 survey meter calibrations for campus users
- 122 sealed sources leak tests conducted semi annually
- 112 registered lasers (class 3B and 4)
- 39 X-ray devices

Committee Work

University Radiation Safety Committee: scheduled quarterly, 4 meetings in 2020
Two interviews and inspection for new authorized users

Reactor Safeguards Committee: scheduled semi-annual, 3 meetings in 2020
Participated in Emergency Drill 5/27/20

Radiation Safety

Provide radiation dosimetry for Campus

703 individuals in program
3950 badges/rings exchanged during year

Contamination/leak test swipe surveys

172 monthly lab surveys	(2064)	
17 quarterly α leak tests	(68)	
87 semiannual β/γ leak tests	(174)	
38 package survey (2 per package)	(76)	Total 2382 swipes

Receive and Deliver Radioisotope Packages to Labs
38 packages

Radioisotope waste disposal from labs

6 liquid waste containers picked up
13 solid waste containers picked up
16 liquid waste containers disposed
16 solid waste containers disposed

Renewed State of Kansas Radioactive Materials License in its entirety (5 years until next renewal).

Completed registration of X-ray producing devices and accelerators on Campus.

Completed registration of Generally Licensed devices on Campus.

Emergency Response Exercise



As coordinated through the Riley County Local Emergency Planning Committee (LEPC), the EHS response team participated as reviewers and observers to the emergency training exercise to test the response of the reactor staff in the event of a fire at the KSU nuclear reactor.

TRAINING



EHS staff partnered with BRI and Research Compliance to deliver hands-on training on infection control and proper PPE donning and doffing. Initial EHS trainings were the first provided to support staff on COVID-19 safety practices and response to COVID-19 related disinfection and infection control.

Summary Data

Online Training

	Enrolled in LMS	Completed LMS Trainings	Training Topics	Non-LMS PPT self-paced trainings
2019	906 new	8644	133	1843
2020	790 new	8993	135	1070
total	4125			

Instructor led trainings (in-person or zoom) - taught or coordinated

	Number Trained	Training Topics Delivered	Fire Extinguisher Training	New Faculty & New Dept Head Presentations	Facilities new staff training
2019	2574	23	776	2	86
2020	674	14	117	2	65

Training Details

2020 Trainings within Vivid

- Number of new users:
 - New Users added by Adam: 359
 - APD: 21
 - Ag: 424
 - Arts & Sci: 138
 - BSIC: 1
 - BRI: 2
 - Education: 1
 - EHS: 1
 - Engineering: 47
 - Facilities: 65
 - H&D: 14
 - HHS: 3
 - URCO: 1
 - Vet med: 72
 - Total new users: 790
- Number of enrolled members within Vivid (by dept)
 - EHS (includes some outside entity's that didn't have a group for testing the system) - 27
 - Facilities – 287
 - BRI - 4
 - Ag – 1304
 - APD – 25
 - BSIC - 6
 - HHS - 3
 - Arts & Sciences- 260
 - Engineering – 520
 - Education – 1
 - Library - 4
 - H&D - 15
 - Parking - 3
 - Police – 1
 - URCO - 4
 - Vet Med - 218
 - Total - 2682
- Number of courses completed for all vivid titles (all depts. Combined)
 - Ag – 2920
 - APD – 1
 - BSIC - 2
 - COAS – 91
 - COE- 232
 - EHS – 155
 - Facilities - 3070
 - H&D – 6
 - HHS - 2

- Vet Med - 45
- Total – 6524
- Number of Facilities employees training during new employee orientation
 - Full/Temp. - 65

2020 General

Number of other training courses

- Van Training – 16 sessions, 112 total people trained (From all of campus & Salina)
- Fume Hood Work Order Notification – 30 emails sent
- Hazardous Waste Awareness Online Training - 328 total trained
- Fire Extinguisher Training – 15 Sessions, 118 total trained
- Hazard Communication Training – 12 Sessions, 220 total trained
- Asbestos Awareness for KSU Bldg Occupants – 5 Sessions, 6 total trained

Course Title	Completed	EHS	Contractor
Asbestos Awareness for Bldg Occup	6	X	
Asbestos Supervisor Refresher	3		X
Asbestos Worker I Refresher	36	X	
Authorized Bucket Truck Operator	13		X
Authorized Forklift Evaluation	13	X	
Authorized Forklift Training	16	X	
Authorized Lockout/Tagout	53	X	
Authorized Overhead Crane Operator	8		X
Chainsaw Care & Hazards	15		X
Cross Connection Backflow	8		X
Fire Extinguisher Training	118	X	
Hazard Communication Training	220	X	
Hazardous Waste Awareness In-Person	53	X	
Van Driver Training	112	X	
Total Completed	674		