

SAFETY, HEALTH, AND SECURITY COMMITTEE MEETING AGENDA AND MINUTES

ENVIRONMENTAL HEALTH AND SAFETY
WASHINGTON STATE UNIVERSITY
PULLMAN, WA 99164-1172
509-335-3041

See 2.12 for instructions or contact EH&S for assistance.

1. MEETING DATE April 23, 2026	2. CAMPUS, COLLEGE, AREA, DEPARTMENT, PROGRAM, BUILDING, OR WORK UNIT COMMITTEE OR MEETING NAME Nuclear Science Center		
3.a. ELECTED CHAIR NAME Zachariah Heiden	3.b. ELECTED CHAIR E-MAIL ADDRESS zachariah.heiden@wsu.edu	3.c. ELECTED CHAIR TELEPHONE 509-335-0936	

4. MEMBERS (In the designation column, indicate "E" for employee, "S" for student, "M" for management representative.)

NAME	DEPARTMENT	DESIGNATION	PRESENT	ABSENT
Zachariah Heiden	Nuclear Science Center	E	X	
Corey Hines	Nuclear Science Center	M	X	
Cody Ingraham	Nuclear Science Center	E	X	
Layla Lumzer	Nuclear Science Center	E	X	
Billy Schmuck	Nuclear Science Center	E	X	
Trevor Dillon	Nuclear Science Center	S	X	
Ethan Irish	Nuclear Science Center	S		X

5. GUESTS

NAME	DEPARTMENT	TITLE

AGENDA AND MINUTES (Attach additional sheets as needed.)

6. INCIDENT REPORTS AND SUPERVISOR'S ACCIDENT INVESTIGATION REPORTS RECEIVED (If yes, describe. Include recommendations to prevent future incidents and accidents. See SPPM 2.24 and 2.26.)	☐ YES	☒ NO
Discussed safety concerns that arose since the last meeting and progress on addressing the five open safety concerns brought to our attention. One (#2236) is waiting for a new crane (installed in June of 2026), one (from 7/3/24) is being worked on by Andersen Construction (awaiting fabrication by Hydrfab), #13264 highlights the poor state of the gloves on the glovebox in Dodgen 121, Dr. Guo was contacted and he is not interested in using that glovebox anymore. #13265 highlights a chair that could absorb radioactive material, Dr. Guo was contacted and the chair was removed from B21.		

SAFETY, HEALTH, AND SECURITY COMMITTEE MEETING AGENDA AND MINUTES (cont.)

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AGENDA AND MINUTES (cont.) (Attach additional sheets as needed. See SPPM 2.12 or contact EH&S for assistance.)

7. ACCIDENT PREVENTION PLAN REVIEW, UPDATES, AND IMPROVEMENTS

(Describe which part of the unit's accident prevention plan was evaluated. Include any recommendations to the administrator for improvement. See SPPM 2.10.)

N/A

8. SAFETY INSPECTIONS PERFORMED? (A minimum of one inspection per year is required for all workplaces.)

(If yes, attach a copy of each completed safety inspection checklist. See SPPM 2.50.)

☐ YES

☒ NO

9. SAFETY, HEALTH, AND SECURITY TOPICS DISCUSSED AND PROMOTED (Describe how each topic was promoted.)

N/A

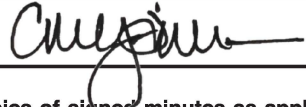
10. OTHER SAFETY, HEALTH, OR SECURITY TOPICS DISCUSSED

The topic of the NSC Risk Assessment document was revisited and it was decided to send the document to the committee (after instructions were added) to read through and have it as a talking point at the next meeting. Billy Schmuck showed how chemical inventory is uploaded to EHSA Chemical inventory/clean out of Dodgen is currently being undertaken with an anticipated completion date of early March. The chemical inventory will be uploaded to EHSA once completed.

Trevor Dillon was nominated as the safety secretary.

The reactor area is to be added to the chemical inventory by the next meeting.

An updated NSC User Agreement is in progress to address issues with faculty on sabbaticals and NSC dealing with Safety Concerns in PI labs.

SUBMITTED BY NAME Zachariah Heiden		DATE SUBMITTED TO ADMINISTRATOR July 13, 2026
ADMINISTRATOR NAME AND TITLE Corey Hines, Director	ADMINISTRATOR SIGNATURE 	DATE 7/30/2026

Route copies of signed minutes as applicable:

Level 3 SHS committees:

Route to Level 2 Steering Committee, Level 4 SHS committee chairs, and Level 3 elected co-chair.

Level 4 SHS committees:

Route to Level 3 elected co-chair and Level 4 chair.

Level 4 work unit safety meetings:

Route to Level 4 SHS committee chair and work unit lead.

Level 4 Safety Committee Meeting Agenda

April 23rd, 1:00 pm, Dodgen 218

- 1) Reported Safety Concerns Update
- 2) Other Safety, Health, and Security Topics
 - a. Chemical Inventory Update
 - b. EHSA
 - c. Safety Culture in NSC Courses
 - d. Risk Assessment Discussion
 - e. Upcoming Hot Cell Facility

From Nuclear SmartBrief on April 23rd, 2026

How Chernobyl ushered in a new chapter for nuclear

The Chernobyl accident killed plant and emergency workers; forced mass evacuations in Belarus, Ukraine and Russia; and left lasting health, environmental and psychological damage that defined public views of nuclear power for decades. It also marked a turning point for reactor safety, plant design, regulatory oversight, emergency response, international cooperation and operator training. Four decades later, those lessons underpin a global nuclear resurgence: More than 400 reactors now operate in 31 countries, roughly 70 more are under construction, and governments are pushing to at least triple nuclear capacity by 2050.

Full Story: [World Nuclear News](#) (4/22), [The Associated Press](#) (4/23)

 SHARE

Sama Bilbao y León says:

"Today, nuclear power has one of the strongest safety records of any major industrial activity. That record was forged, in part, by confronting the hardest lessons of Chernobyl honestly and collectively," said World Nuclear Association Director General Sama Bilbao y León.

SAFETY CONCERN & RESOLUTION LOG

ID INFO	SAFETY CONCERN	STATUS / RESOLUTION
2/4/2023 1873 DODG-5	Water on the floor near the toilet and has been there for several days.	The water was coming from a leak in the toilet. The water was cleaned up and a work request put in with WSU facilities services (2023-018578). The repairs were completed on 3/2/2023.
3/15/2023 2098 FULM-B3	No eyewash or safety shower is available in Fulmer B3. Work request for quote has been submitted.	Work request 2023-020047 under "estimating". Estimated at \$16,000. A portable eyewash has been ordered and has arrived. Portable eyewash was installed on February 13th, 2024 
3/17/2023 2099 FULM-40A	The faucet in the sink is leaking and the cold water valve was tightened so much that it cannot even be turned to be able to turn it on. Only hot water is functional out of the faucet currently. A work request has been submitted.	Work request 2023-020265 status is "open." New WR 2023-022486 on 4/17/2023. New WR 2023-022780 on 4/21/2023. FacOps will be coming after finals week to put in a new faucet. Completed 6/26/23.
3/17/2023 2114 DODG-201 Loading Dock	A reactor operator mentioned in passing that the uneven surface of the 201 loading dock area causes the pallet jack to tip a bit which has caused concern for how far the barrels on the pallets tip.	(3/22/2023) A training module "Pallet Jack Safety Training: NSC Safety Training Series" has approved by senior staff. Staff training on pallet jack safety is complete (5/2023).
3/17/2023 2115 DODG-201/106 IX PIT	Change out of the ion exchange resin requires the floor hatches to the pit to be open. in order to change out the resin, work has to be done within close proximity of the openings and there is no fall protection barriers just warning barriers on either end of the north pool room walkway where the pit is located.	Sarah Greer of WSU Occupational Health and Safety is helping determine the best solution and address the concern. Options include wearing harnesses, removable barriers, use of safety watch. Discussed during 3/24/2023 senior staff meeting and will have new tooling made that will enable closure of the IX lid without the pit floor cover open. 4/14/2023: Reactor Supervisor will design, test, and qualify procedure change for IX column changeouts. 9/22/2023: Hydrfab Northwest INC is currently designing and fabricating the tool. 10/18/2023: Received tool from Hydrfab. Have not been able to fully test its functionality.
3/21/2023 2123	At my last job in New York, they had outlined electrical safety standards in a corporate safety manual for working on switchboards and terminal boxes. That was New York	Discussed during 3/24/2023 senior staff meeting. Reactor supervisor will delegate to operations staff with Beadle as lead to

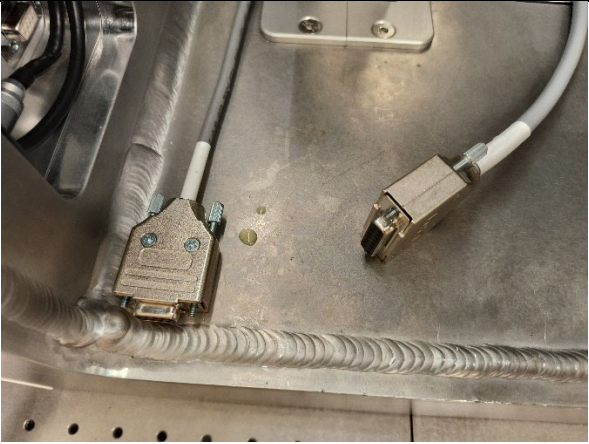
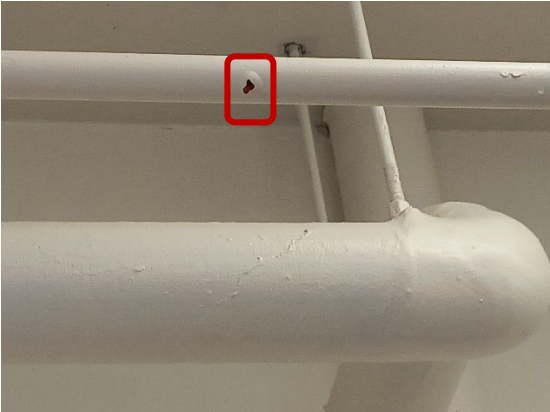
SAFETY CONCERN & RESOLUTION LOG

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DODG-201	and I don't know what exactly required them to have those electrical safety standards. As much as I don't want to add further restrictions to working on the reactor console, electrical safety is worth looking into to see if there are any that are required for the facility.	develop hold points and safety measures to be employed when working on the control console. Zach Heiden will coordinate and develop electrical hazard procedures for instrumentation at NUCS. Zach has met with Sarah Greer of WSU Occupational Health and Safety No electrical hazards were identified in NUCS. 10/21/2024: Waiting on a draft section from Bryan Chang to put into the Facility Safety Procedures. 2/17/25: A draft section has been placed into the Facility Safety Procedures and is awaiting vote by Level 4 Safety Committee. 8/28/25: A Total Health and Safety Plan including a section on electrical safety has been approved by the Level 4 Safety Committee
3/31/2023 2236 DODG-201	The safety latch on the overhead crane is missing. This is being reported now so that it can be tracked by the NSC Safety Concern Log.	Work request 2023-015411 Submitted 1/5/2023 Does a manual exist for part numbers? Status is "open." We received NEUP funding to replace the crane, the concern will remain open as long as the crane is in use. 8/28/25: The NEUP grant received a no cost extension through Sept 2026. Andersen Construction did a walk-through with the crane people for a crane replacement. 2/26/26: Crane replacement anticipated in May/June 2026
4/7/2023 2265 DODG-ROOF	Exhaust stack on roof from fume hood is missing a guide cable. Stack is not stable. Located on NW corner on roof.	Work Request 2023-022029 submitted, status is "work complete."
5/3/2023 2375 DODG-101	Clogged sink.	Work Request Number: 2023-024030 Submitted: 5/3/2023 12:26 PM Completed: 5/22/2023
5/10/2023 2412 DODGEN	Cooling tower fan is noisy, possibly a bearing going out. Fan still operational.	This was determined to be solely a maintenance issue and not a safety concern and will be handled accordingly.
8/4/2023 2900	There is a GM counter on the bench that is plugged into an outlet with an AC adapter. That AC adapter has exposed	The detector has been removed from service until it has a new power cord. Another GM

SAFETY CONCERN & RESOLUTION LOG

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DODG-101	wiring and is not safe, and is not appropriate to use in that condition for safety-related functions.	has been put in 101 and there is already a hand and foot monitor in there for personnel use.
9/18/2023 NUCS-Fulmer Varian 500	Spinner has broken glass inside. I have left the spinner to the right of the computer monitor. 	User went to use the machine and found it left in that state. Further investigation needed to determine more information on the broken sample, what potentially caused it, and why it was left as it was. Spinner determined to be non-rad. Broken tube and glass removed. Machine is fully functional. A message about broken NMR tubes in the NUCS Core Facility was sent out to users.
9/29/2023 NUCS-Fulmer Bruker 500	An unlabeled Eppendorf tube containing an unknown material was found at the Bruker 500. 	Eppendorf tube determined to be non-rad. Eppendorf tube removed. Machine is fully functional. A message about bringing samples and completing experiments in the NUCS Core Facility was sent out to NMR users.
10/9/23 DODG-114	An unknown non-radioactive yellow liquid was found in the sample chamber of the SAXS.	The yellow liquid was determined to be non-rad with a GM. The yellow liquid was cleaned up with isopropanol on a Kim wipe. The area was also wiped with a wet Kim wipe and allowed to dry. Machine is fully functional. A message about cleaning up spills in the NUCS Core Facility was sent out to SAXS users.

SAFETY CONCERN & RESOLUTION LOG

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10/25/23 DODG- First Floor Hallway	While workers were moving a pallet of cargo in through the first floor loading dock using a motorized pallet jack, the load hit an electrical box mounted on the North hallway wall. The box broke open and exposed 120V AC wiring inside.	NSC staff responding couldn't find a breaker for those components, and so left the area cordoned off until a FacOps electrician could fully render safe the area, about 45 minutes later. The current issue is fully resolved, but future safety inspections should look for electrical boxes or conduit protruding from the wall in loading/unloading areas that could be damaged by moving cargo.
10/30/23 DODG- 150	Water dripping from pipe onto floor near TV and large table. 	Work Request submitted (#2024-009395). Was repaired 11/1/23 with a sleeve over the leak area. Work request (2024-009395) was closed by FacOps on 7/26/24. Sleeve still remains  New pipe was put in. Work Request closed 12/4/24
11/17/2023 DODG- 114	While conducting a building evacuation test, a researcher in 114 heard a garbled voice on building intercom during the warning for the upcoming test. Further, researcher did not hear the building evacuation siren in 114.	11/22/2023 – Building evacuation alarm was tested again. Employees systematically went to each room in the building, closed the door and assessed whether the alarm could adequately be heard, giving consideration to any extra noise produced by equipment in the room, if it were running. Results were tabulated on building maps. 12/22/2023 – Facility Operations responded to work request and adjusted 1st floor hallway loudspeaker. Evacuation alarm is now audible where it was not previously.
1/3/2024 DODG- 101	Ceiling mounted HVAC unit is leaking onto lab equipment. Condensation is also accumulating on the ceiling and dripping onto the floor and lab bench work surfaces.	Facilities is replacing the unit. The replacement date is TBD.

SAFETY CONCERN & RESOLUTION LOG

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	While the heater was being removed, Fume hood #1 lighting was damaged and broken glass fell into fume hood. Fume hood fan also stopped working.	Work Request #2024-015258 submitted. July 23, 2024: Heater is in 101 and is waiting for prep work by facilities before install. 7/26/24 FacOps changed out the fume hood lighting with LEDs.
1/29/2024 DODG-101	Water pressure to 101 eyewash station is inadequate to flush eyes in an emergency. 	1/29/2024 - Work request 2024-016117 submitted and completed
2/12/24 DODG-121 #5266	Suspected contamination of the glovebox in Dodgen 121 with plutonium. Also, a suspected hole in one of the gloves on the glovebox. 	Draft memo sent to EH&S and RSO. EH&S and RSO worked with Dr. Guo and his students to clean it out. Are about 25% of the way completed as of July 23 rd , 2024. Met with Guo on February 26 th , 2025, about current and future gloveboxes. Have not heard anything after meeting. Current picture as of 8/26/25: 
4/11/2024	Tripping hazards in the Penthouse following Reactor Ventilation System Replacement.	The tripping hazards are structural to the building and cannot feasibly be removed. APEX spray painted the trip hazards orange.
4/11/2024	Motor/belt guard of Room 114 exhaust fan rattled loose in Penthouse exposing rotating motor shaft and belts.	Work request 2024-021639 submitted. Motor guard replaced. Rotating shaft still exposed. Work request 2025-001930. Rotating shaft guard installed on 7/24/2024.

SAFETY CONCERN & RESOLUTION LOG

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7/3/2024	201/101A/IX Pit floor hatches installed with structural material being removed by Facility Services for fitment of floor hatches. No gas shocks on the floor hatches as requested. Concern for leaning over the floor openings and floor hatches not being weight rated.	EH&S and Facility Services were on-site with NSC management to fully understand the safety concerns and develop paths forward to have the floor hatches modified or replaced so the fall concern and weight rating of the floor hatches is resolved. 2/26/26: Contract signed with Hydrafab.
8/5/2024	Condensation dripping from control room ceiling in close proximity to the console.	Buckets placed under dripping AC ductwork and condensate lines temporarily. AC blown out to allow for condensate drainage by FacOps.
11/18/24 Fulmer B3 #7356	A user left the single crystal XRD filling liquid nitrogen into the cryodewar unattended. The vent tube from the cryogen dewar was also venting on electronics. NUCS Core Facility protocols indicate that all cryogen fills within the facility must not be left attended. The filling of the dewar was shut off and the user notified about the venting of cryogen on electronics and the absence during the fill.	User was retrained on the use of the single crystal X-ray diffractometer on 11/20/24.
11/18/24 Dodgen 114 #7360	Sudden metallic or plastic burning like smell in the room.	Dodgen 114, 116, 112, 110, 119, 117 were all investigated. The odor was the strongest in 114. Removed all of the panels on the SAXS and investigated the easyXAFS. Could not find the source of the odor. The odor dissipated and did not return when reinvestigated one hour later. Possibly due to FacOps work in the building. Has not occurred since, considered closed.
11/18/24 Fulmer B3 #7361	Cannot log out of simple in/out on NMR computer 	Restarted browser to provide users access to Simple In/Out. Retraining on the single crystal X-ray diffractometer with Vincent on 11/20/24
1/16/25 Dodgen 114 #7525	A user was measuring radioactive samples at the easyXAFS and not following the radioactive sample analysis procedure (no lab paper or radioactive sticker labels). 	The user was called and returned to Dodgen about an hour after the phone call to remedy the situation.
2/5/25	One of the high pressure dewars was extremely iced up, hissing, and a small amount of liquid nitrogen was dripping out the liquid tap. I tapped the handle with a wrench and tightened it down with	Tightened the liquid valve to stop leak.

SAFETY CONCERN & RESOLUTION LOG

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Fulmer B3 #7644	a gloved hand. The handle turned a little bit and the leaking and hissing stopped. Issue appears to be resolved, the dewar is currently sitting about 105psi. 	
2/27/25 Dodgen 101 #7856	Rm 101 eyewash station below the shower has low pressure.	A work request has been submitted. Eyewash piping was repaired and the eyewash under the shower was removed with the sink eyewash remaining.
3/6/25 Fulmer B3 #7958	The Rad NMR tube sample holder was placed in the case with the non-rad NMR tube holders. 	A pencil case is now used to store the Rad NMR tube sample holder and depth gauge.
5/6/25 Dodgen 101 #8480	SW fume hood in 101 has no exhaust flow.	Work request 2025-022608 submitted to repair the exhaust fan. The exhaust fan was repaired and proper flow was re-established.
7/21/2025 Dodgen 21 #8964	There are two concerns related to gas bottle use and storage: 1: An attached regulator and cylinder appears to be tagged out with duct tape. Every possible scenario for this type of tag out is concerning: is the regulator damaged - if so, why is it still on the cylinder? Is the regulator stuck - if so, why hasn't help been sought?, Is the cylinder not in use (which is obviously the case) then why is a regulator on it at all? Is there cylinder damage? If so, then why is it in the building at all? 2: Very few, if any, of the cylinders are chained with sufficient tension to be certain that they cannot fall over. There may be sufficient slack for a cylinder to fall/slide. A quick test was made and the cylinder leaned to a sharp angle before being slowed to a full stop. I do not believe they are an immediate threat as the chains will reduce falling energy to a minimal level, but they do not meet the definition of secure in the WSU SPPMs or WACs.	The Guo Group has been notified. Graduate students have taken steps to properly secure the gas bottles individually and communication with Central Stores to fix the damaged regulator. The damaged regulator was removed and the cylinders have been chained up appropriately.

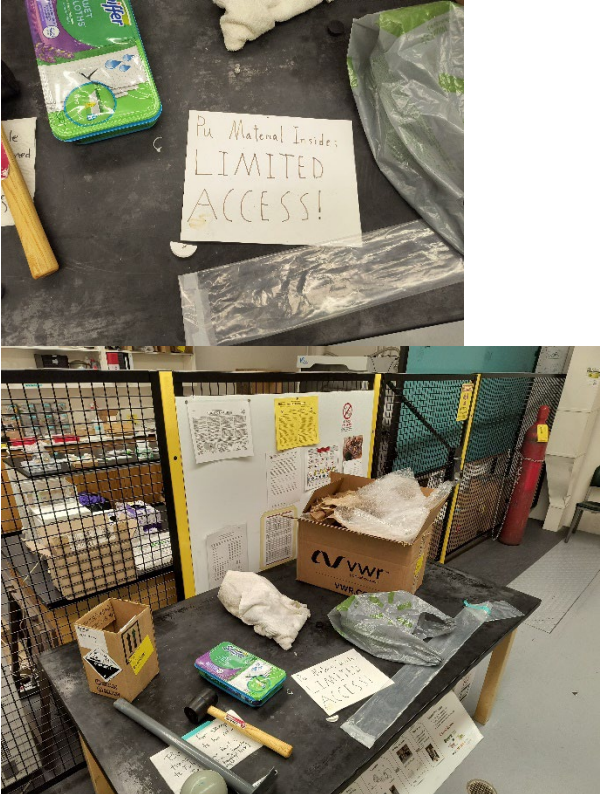
SAFETY CONCERN & RESOLUTION LOG

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	Only one picture was allowed to be attached, but there is also a loosely chained flammable cylinder on the east side of the room. This is urgent but appears to be in a metastable state. Correction may be performed through regular channels rather than on an emergency basis by non-lab personnel. 	
7/25/25 Dodgen 21 #9008	Unsealed Rad Material is sitting on the lab bench. It is in a designated rad area, but is just in the open, unsealed and unlabeled. Verified with a GM that it was radioactive. 	The Guo Group has been notified and the space was cleaned up. An email went out to the Guo group on 7/31/25 asking them to implement a tray system for RAM work. Picture of Rad area on 8/26/25:  Picture of Rad area on 10/3/25

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8/4/25 Dodgen 121 #9076	There is an open (uncapped) bottle of nitric acid with something hanging out of it (not clamped) with no labels (see picture). 	The Guo Group has been notified of the safety concern at 3:30 pm on 8/4/25. The Guo group removed the items in the nitric acid, but the nitric acid bottle remained on the counter and did not address any of the items of concern listed in the message to the Guo group. Picture of area on 8/26/25:  No change as of 10/3/25. An email was sent to Dr. Guo and Eric Roalson. Was addressed by Guo lab on 11/13/25.
8/13/25 Fulmer B3 #9160	Liquid N2 dewar supplying house N2 had liquid N2 coming out of liquid dispenser port.	Liquid dispensing valve was tightened, and liquid stopped coming out.

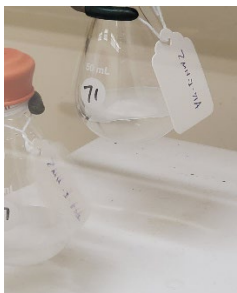
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8/28/25 Dodgen B21 #9296	There is a sign saying that "Pu Materials are Inside" on a random desk outside of the Guo lab space (see pictures). It is unclear if the Pu materials are in the plastic bag next to it in an unsecured location or somewhere else. 	The sign was removed on 8/28/25 and we were assured by Dr. Guo that no Pu work has been done since 2019.
9/26/25 Fulmer B3	Unlabeled nmr sample within locker.	A message was sent out to users of the NUCS Core Facility. The sample was gone by the next day.

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10/9/25 Fulmer B3 #9656	A user was found removing unknown NMR tubes from the broken glass container near the DLS. 	Ethan told him to not remove the samples from the facility or the glass waste. A message was sent out to users of the NUCS Core Facility telling them to not remove unknown materials from waste containers.
10/10/25 Dodgen 214	Chemical synthesis or sample processing appears to be occurring in the Dodgen 214 fume hood where there is no access to a safety shower. (The closest shower requires exiting the lab and entering a different lab which is always locked). Furthermore, the samples under preparation are not labeled in a meaningful way. Research staff was notified at least 24 hours previous to this report on 10/9/2025 regarding the lack of labeling but it has not yet been addressed.	The samples were properly labeled, as indicated in the Chemical Hygiene Plan in Dodgen 214. The Chemical Hygiene Plan for Dodgen 214 was updated to address any confusion about labeling of samples. WSU EH&S informed us that a safety shower is only needed when there is potential for major portions of an employee's body to contact corrosives, strong irritants, or toxic chemicals (WAC 296-800-15030). Those chemicals are not

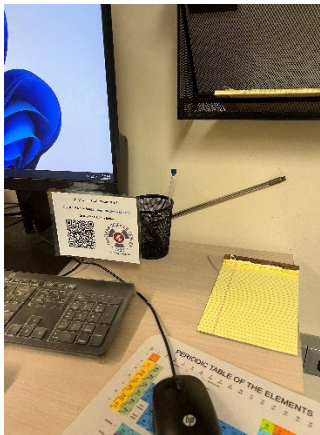
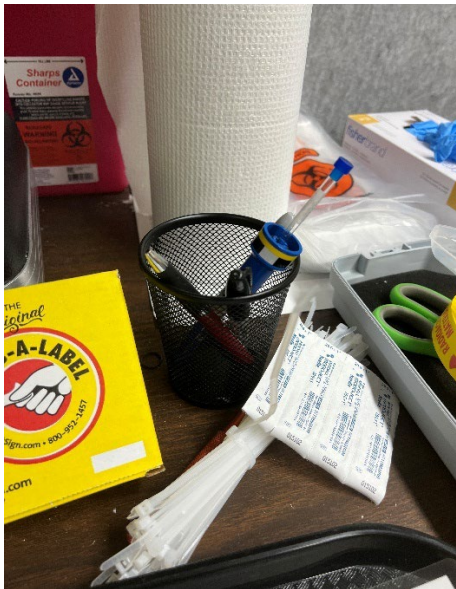
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		being used in Dodgen 214, so the eyewash with drench hose capability will suffice.
11/17/2025 Dodgen 106X #12216	Staff and/or students must currently climb up onto a cast iron pipe to replace monthly dosimetry in the 106X "pit" that could lead to slips or falls.	An "area monitor" placard with a room dosimeter holding was mounted to the wall in the 106X pit, allowing personnel to place and remove dosimetry from the stairs leading into the pit.
11/22/2025 Dodgen 201B #12263	The 12"x12" linoleum tiles (non-asbestos) are worn down to 8"x8" tiles (asbestos containing) on the floor at the reactor console. Concern for further wear of asbestos tiles releasing dust into the air.	Email send by C. Filip to EH&S asking if the concern is valid on 11/24/2025. 2/26/26: FacOps came and sealed floor with wax. Ops team looking to replace castors with roller blade castors. 4/9/2026: Castors were replaced with roller blade castors.
12/19/25 Dodgen 2 nd Floor Hallway	There was a puddle of water in the hallway when I arrived this morning. I surveyed and cleaned it. Thought the facility should know as it's source was from my estimates the roof. 	Work request submitted to FacOps. FacOps came out during the week of 12/29/25 and 1/5/26 to repair the roof and stop the leaks.
12/19/25 Fulmer B3 #12480	A part of the liquid nitrogen dewar cart wheel came off. It is on the outside of the right wheel. It looks like some sort of piece of metal fell off, and now the wheel may not be completely secure. 	The clip was replaced on 4/22/26.
12/19/25	One of the liquid nitrogen dewar is not accurately reading the liquid nitrogen level. It states the nitrogen level is half, even	As of 2/26/26, this issue has not resurfaced, and is considered closed.

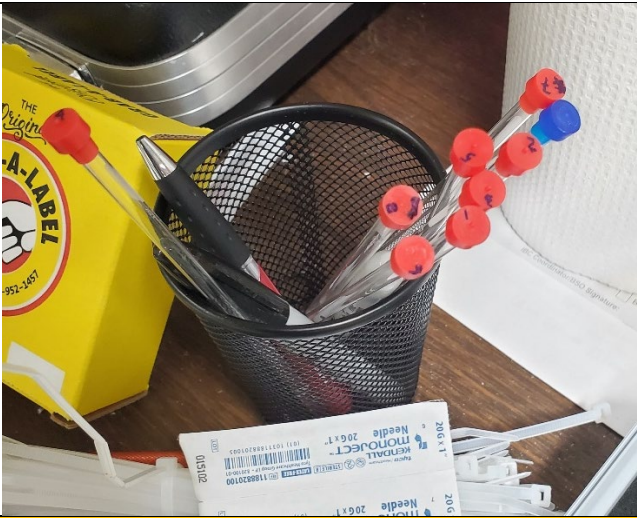
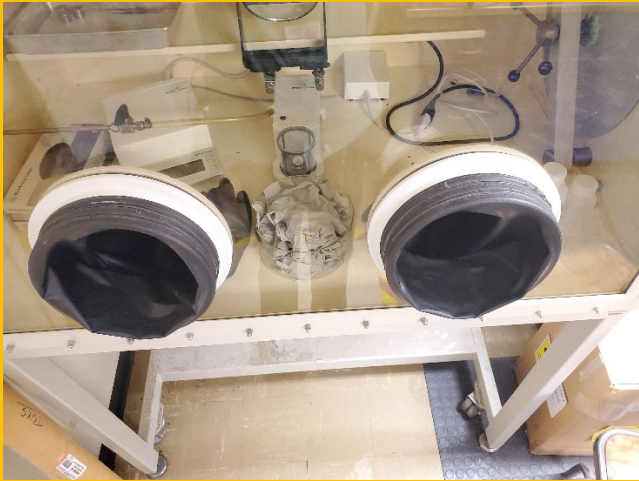
SAFETY CONCERN & RESOLUTION LOG

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Fulmer B3 #12481	though it is empty and completely relieved of pressure I attached a picture of the gauge, and the WSU number on the dewar. 	
1/6/26 #12595	J. Sullivan of RSP canceled personal dosimetry for all but two of the student Trainees enrolled for Spring 2026 CHEM 162 class.	The student Trainees will be re-enrolled for personal dosimetry. December 2025 dosimetry will be retained for January 2026 or until new dosimeters are received.
1/29/26 #12766 Dodgen 119	The services are corroding. 	The source of the corrosion was unable to be located. To get an idea if the corrosion was quick or slow, some metal samples were placed next to the services. As of 2/26/26, no corrosion was observed on the metal samples.
2/11/26 #12881 Dodgen 201	While I was moving a sample out of the core the other day some moisture on the experimenter's platform got onto my shoes. When I climbed up the ladder, I slipped. I caught myself, but some anti-slip tread tape on the ladder would help prevent slips in the future.	This safety concern was discussed at the Level 4 Safety Committee Meeting on 2/26/26 and the committee decided that any action to address the safety concern would result in potential contamination hazard, which would outweigh the slip hazard. No further action will be taken.
2/24/26 # 13074 Fulmer B3	NMR Sample found placed in the pen cup at the workstation for the Bruker 500 NMR.	Samples were discarded. User contacted.

SAFETY CONCERN & RESOLUTION LOG

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	I removed the sample and pen cup for now 	
2/24/26 # 13076 Fulmer B3	I turned around from the workstation and looked at the sample prep bench and saw another sample in the pen cup for the radioactive NMR sample prep pens and sharpie It was checked with the GM to at least verify the outside wasn't contaminated or radioactive. 	Samples were discarded. User contacted.
3/2/26 #13136 Fulmer B3E	Nine NMR tubes with unknown sample were placed and left in a cup style pen holder in the Bruker 500 MHz sample preparation station.	Samples were discarded. User contacted.

SAFETY CONCERN & RESOLUTION LOG

ID INFO	SAFETY CONCERN	STATUS / RESOLUTION
		
3/17/26 #13264 Dodgen 121	The gloves attached to the glove box in Dodgen 121 show visible signs of degradation. It is uncertain whether they would successfully isolate the interior and exterior atmosphere or prevent contamination from crossing the gloved boundary. There is no signage indicating a decontaminated/decommissioned or tagged out status of the glove box.  	The Guo group was contacted to determine if the glovebox is to be used again. 4/23/26 – Dr. Guo wants the lab to be in inactive status.

SAFETY CONCERN & RESOLUTION LOG

ID INFO	SAFETY CONCERN	STATUS / RESOLUTION
		
3/17/26 #13265 Dodgen G0021	There is a fabric upholstered padded chair in the radiation work area located in Dodgen G0021 hidden behind some flattened boxes. It is extremely porous and would be very difficult to decontaminate. 	Dr. Guo was contacted and was ask to remove the chair from the lab.
3/23/26 #13298 Dodgen 212	Cabinet on east wall is stabilized by slanted wooden 4x4 beams that are screwed into the cabinets. David Doucet stated that he put the wood down to stabilize the cabinet to stand on it while working on the piping in the corner.	The cabinet was stabilized and the supports removed within about an hour after the safety request was submitted.

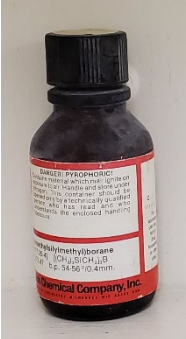
SAFETY CONCERN & RESOLUTION LOG

ID INFO	SAFETY CONCERN	STATUS / RESOLUTION
		
3/23/26 #13301 Dodgen Exterior (by Dumpster)	There is a cap for a sewer manhole which appears to have gone missing (perhaps in a recent storm) and now presents a hole of about four to five inches across. This is a trip/fall hazard. A work request was submitted to facilities (WR # 2026-020296). 	Fac Ops created a plug for the hole which is now properly covered.
3/31/26 #13374 Fulmer B3E	Various NMR samples left on the sample prep bench and one left by the keyboard.	Samples were discarded. All users were contacted with a reminder about where to put their samples.

SAFETY CONCERN & RESOLUTION LOG

ID INFO	SAFETY CONCERN	STATUS / RESOLUTION
		
4/6/26 #13429 Fulmer B3	Plastic spinner for radioactive samples is missing. Looked in the case with all of the non-rad spinners, but it is not there. Radioactive depth gauge has not been moved. No other safety concerns at this time.	The spinner was found among the other spinners. The labeling on the spinner was faded (see below picture), making it not clear that it was the spinner designated for radioactive samples. The spinner was relabeled and placed with the radioactive sample analysis materials. 
4/14/26 #13429 Fulmer B3	The top half of an NMR Tube was sitting in the sample tray and the bottom half couldn't be found anywhere. I disposed of the broken glass but I'm unsure where the sample ended up. There was also evidence of someone going through the glass waste box, as the lid was removed and not put back in properly I'm not sure if these are related or different incidents.	Samples were discarded. User contacted.

SAFETY CONCERN & RESOLUTION LOG

ID INFO	SAFETY CONCERN	STATUS / RESOLUTION
4/16/26 #13518 Dodgen 114	There is one (or more) glass containers of pyrophoric substances stored on an elevated shelf without segregation from other chemicals. 	The chemicals in question were placed in the chemical containers in Dodgen 214 for transport to EH&S for disposal.



RISK ASSESSMENT FOR NSC TASKS

Activity or Job			
Activity Location		Completed By	
Equipment Required			
Chemicals Required			

Recognize the Hazard: Hazards Checklist	
Will the activity be a deviation of current procedures?	☐ No ☐ Yes, explain:
Will the task handle radioactive material?	☐ No ☐ Yes, explain:
Can someone come into contact with radioactive material?	☐ No ☐ Yes, explain:
Can someone be exposed to ionizing radiation?	☐ No ☐ Yes, explain:
Can something fall into the reactor core?	☐ No ☐ Yes, explain:
Can someone slip, trip, or fall?	☐ No ☐ Yes, explain:
Is there a procedure for the task?	☐ No ☐ Yes, explain:
Can someone be exposed to chemicals/hazardous material?	☐ No ☐ Yes, explain:
Can someone be caught in anything?	☐ No ☐ Yes, explain:
Can someone injure someone else?	☐ No ☐ Yes, explain:
Can someone come in contact with a hot or cold surface or material?	☐ No ☐ Yes, explain:
Can someone come in contact with high or low pressure?	☐ No ☐ Yes, explain:
Can someone come in contact with a strong magnetic field?	☐ No ☐ Yes, explain:
Can someone come in contact with electricity?	☐ No ☐ Yes, explain:
Will the task require handling of sharp objects?	☐ No ☐ Yes, explain:
Will the task require handling of heavy objects?	☐ No ☐ Yes, explain:
Will the task require a repetitive motion?	☐ No ☐ Yes, explain:
Will the task require moving of a material?	☐ No ☐ Yes, explain:

Assess and Minimize the Hazards: Risk Assessment				
Work Steps and Tasks	Hazards Identified for each Task/Step	Initial Risk Level	Control/Safe Work Procedures for each Task/Step	Residual Risk Level
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High

Assess and Minimize the Hazards: Risk Assessment				
Work Steps and Tasks	Hazards Identified for each Task/Step	Initial Risk Level	Control/Safe Work Procedures for each Task/Step	Residual Risk Level
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High
		☐ Low ☐ Medium ☐ High ☐ Extremely High		☐ Low ☐ Medium ☐ High ☐ Extremely High

Prepare for Emergencies: What If Scenarios

What if

What if

What if

What if

Notes:Will the activity require supervision from management during completion? ☐ Yes ☐ NoWill the activity require a change to current procedures? ☐ Yes ☐ No

If so, list procedure number to be changed:

Will the activity require a change to the facility? ☐ Yes ☐ NoCompletion of the proposed activity has been approved by management? ☐ Yes ☐ No

Lab Worker Signature

Date

Supervisor Signature

Date

Risk Assessment Matrix

Probability (expected frequency) Severity (expected consequence)	Frequent: Continuous, regular, or inevitable occurrences	Likely: Several or numerous occurrences	Occasional: Sporadic or intermittent occurrence	Seldom: Infrequent occurrences	Unlikely: Possible occurrences but improbable
Catastrophic: Death, unacceptable loss or damage to NSC or researcher(s)	Extremely High	Extremely High	High	High	Medium
Critical: Severe injury, illness, loss or damage to NSC or researcher(s)	Extremely High	High	High	Medium	Low
Moderate: Minor injury, illness, loss or damage to NSC or researcher(s)	High	Medium	Medium	Low	Low
Negligible: Minimal injury, loss or damage to NSC or researcher(s)	Medium	Low	Low	Low	Low