



Work Planning & Control Training

Ground Rules & Logistics

Fostering a Collaborative Learning Experience

- Respect other participants/facilitators
- Silence cell phones
- Listen/actively participate in discussions
- Avoid interrupting others, side or monopolizing conversations
- Emergency exits, shelters

OUR CORE VALUES

Safety

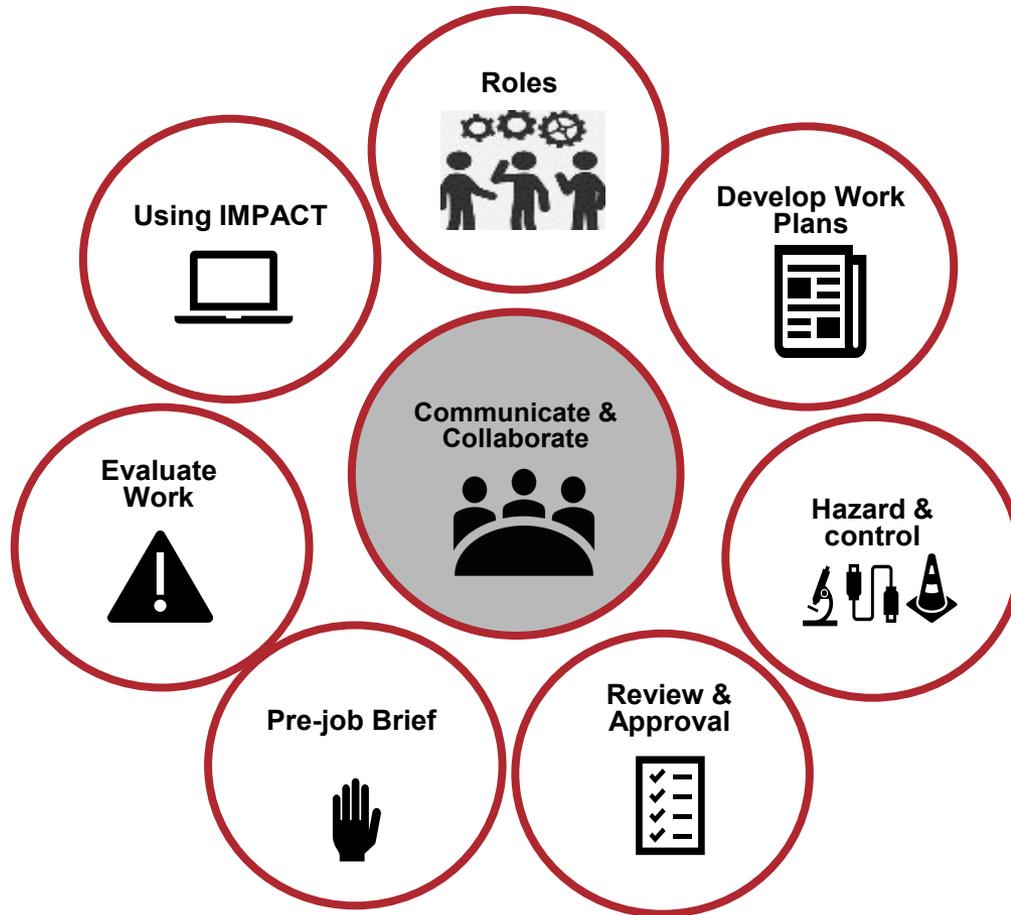
Respect

Integrity

Teamwork



Learning Objectives



Work Planning and Control Success looks like

Culture of Communication, Conversation and Collaboration

- Everyone knows & owns their Work Planning and Control (WPC) role(s)
- **Subject Matter Experts (SMEs), workers, collaborators engaged early** in planning
- **Hazards/controls** accurately identified, documented, reviewed
- **Work Plans** are well-written, easy to follow/review
- Everyone has the authority to **stop work**
- **Continuous Evaluation** of Work Plans
- **Lessons learned / feedback** applied for continuous improvement

LESSON 1

SHAPE & Roles

- Understanding **SHAPE**
 - Scope
 - Hazard
 - Authorize
 - Perform
 - Evaluate
- WPC roles & responsibilities and **your role** in the process



SHAPE - Work Planning & Control Process

Evaluate

- **Post Job Debrief**
 - Lessons Learned
 - Update Work Plan and HA

Perform Work

- **Work within Controls**
 - Stop and reevaluate if conditions change
 - Clean up
 - Release work

Authorize Work

- **Gain approval to work**
 - Approving Supervisor
 - Work Planner
 - Point of Contact
 - Workers

Scope of Work

- **Identify Scope of Work**
 - What
 - Where
 - Who
 - When
 - How
 - Why

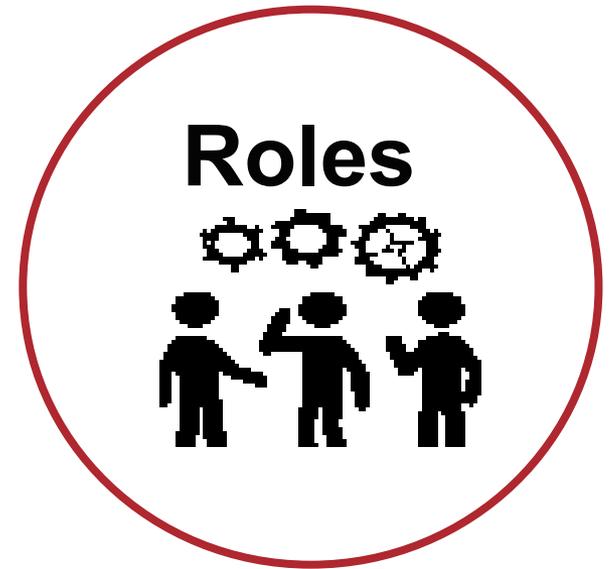
Hazards & Controls

- **Identify Hazards and Controls**
 - Engineered Controls
 - RWP, LOTO, etc.
 - SOP, HAs, Permits
 - Checklists, Travelers
 - Training
 - PPE



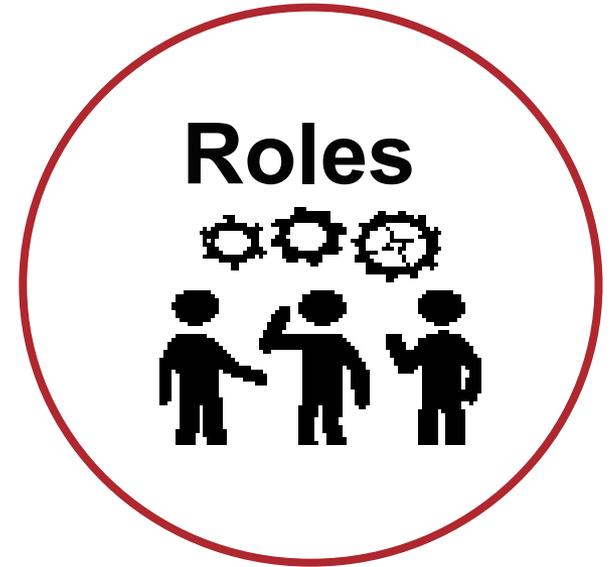
WPC Roles

- Roles associated with WPC are not job titles
- Roles and how they apply to WPC are determined by your management



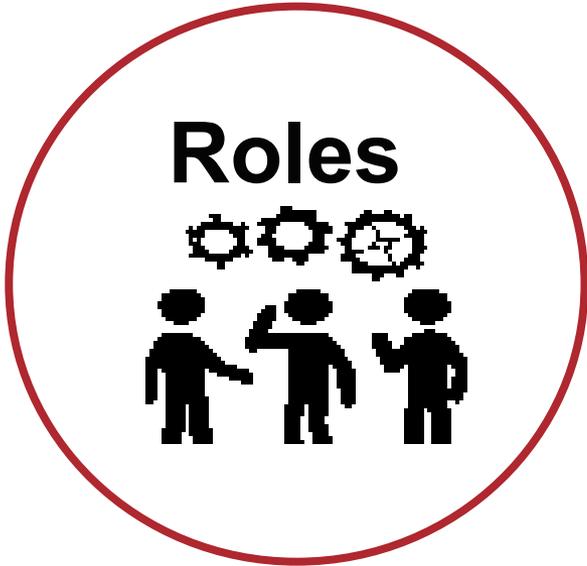
WPC Roles

- The following are roles that align with DOE terminology as it relates to work planning
 - Division/Section/Project (D/S/P)
 - Authorizing Supervisor
 - Work Planner
 - Point of Contact (POC)
 - Worker



WPC Roles

One person can fill multiple roles!



WPC Division/Section/Project Head Responsibilities

- Responsible for implementation of this program within their D/S/P
- Ensuring all authorizing supervisors understand their role
- Assess work plans in various stages to ensure work plans are followed
- Establish a procedure and communicate the process of:
 - Lending workers to other D/S/Ps or other groups w/in the D/S/P
 - Utilizing workers from other D/S/Ps or groups
- Assign the roles of authorizing supervisor and work planner
 - Including experiments/users (e.g. ANNIE)

Authorizing Supervisor Role



Evaluate

Incorporate feedback and lessons learned into future work planning

Perform Work

Assess work being performed



Authorize Work

Scope of Work

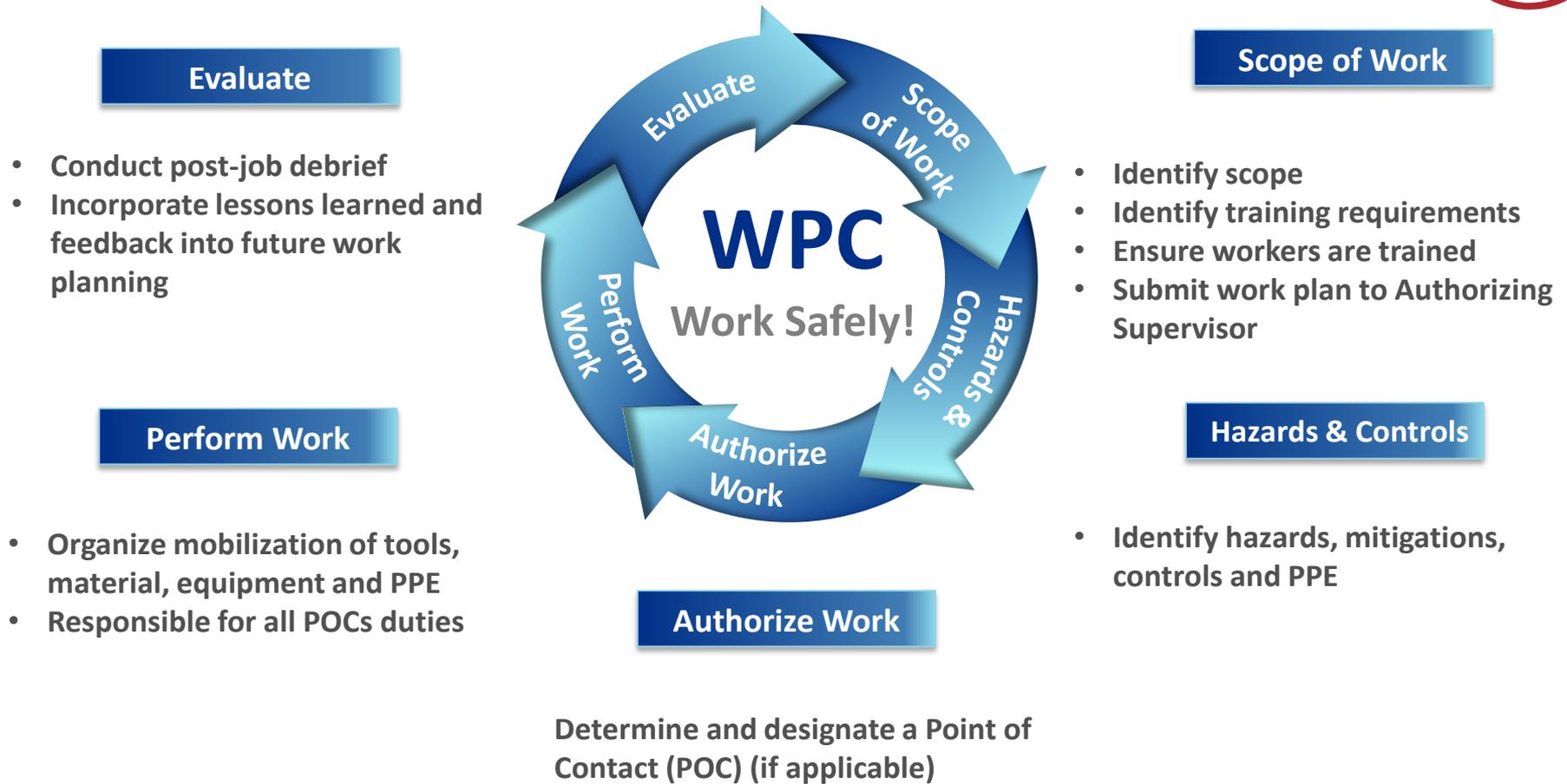
Provides guidance to work planner

Hazards & Controls

Provides guidance to work planner

- Verify the work plan has the appropriate scope, hazards and mitigations
- Verify Training is adequate, and workers have training
- Authorize the work plan

Work Planner Role



Point of Contact (POC) Role



Evaluate

Conduct post-job debrief and provide feedback and lessons learned to work planner

Perform Work

- Respond to workers communication on unsafe acts, behaviors or conditions
- Communicate changes in scope to work planner
- Update / communicate work plan as necessary

Evaluate

Scope of Work

Perform Work

WPC

Work Safely!

Hazards & Controls

Authorize Work

Authorize Work

Assure workers have signed formal work plan documents

Scope of Work

- Complete Pre-job briefing
- Verbally confirm workers are trained for specific tasks

Hazards & Controls

Assures proper tools, equipment, and PPE present for job

Think of this role as the Person In Charge!

Worker Role



Evaluate

Participate and provide feedback in post-job debrief

Perform Work

- Understand and perform work within the scope, hazards, and mitigations identified
- Stop work and notify work planner / POC if identify unsafe acts, behaviors, and conditions or new hazards are identified

Authorize Work

Review the work plan and sign if required

Scope of Work

- Participate in pre-job briefing
- Verbally confirm training
- Be able to identify work planner/POC

Hazards & Controls

Understand the hazards and mitigations identified



We Are All Human

Collaboration improves work planning and control

- People are fallible, and even the best make mistakes.
- Error-likely situations are predictable, manageable, and preventable.
- Individual behavior is influenced by organizational processes and values.
- People achieve high levels of performance based largely on the encouragement and reinforcement received from leaders, peers, and subordinates.
- Events can be avoided by understanding the reasons mistakes occur and applying the lessons learned from past events.

LESSON 2

Scope the Work

- Formal vs Informal Work Plan
- Elements of a Formal Work Plan
- How to develop a clear scope of work



Who Should Collaborate, What Occurs and Best Practices

COLLABORATORS

- Work Planner collaborates with
 - Workers who are most familiar with work activities
 - Point of Contact
 - Subject Matter Experts
 - Stakeholders

WHAT OCCURS

- Understand
 - What
 - Where
 - Who
 - When
 - How
 - Why



BEST PRACTICES

- Involve your collaborators in this process early
- Utilize your resources

Types of Work Plans



Verbal communication of work plan for low hazard work
May utilize work planning tool as best practice

INFORMAL WORK PLAN

- Verbal communication of work plan for low hazard work
- May utilize work planning tool as best practice

FORMAL WORK PLAN

- May include any or all of the following:
 - Hazard Analyses (HA)
 - Standard Operating Procedure (SOP)
 - Permits or Approvals
 - Work Planning Tool

Formal Work Elements

Hazard Analysis

- Task based and includes hazards of the job location
- New/unique activities not covered in SOP

Standard operating procedures (SOP)

- Repeatable, routine, ongoing activities
- Hazards & controls built into document
- May not include all hazards at specific location

Work Plan

Permits or Approvals

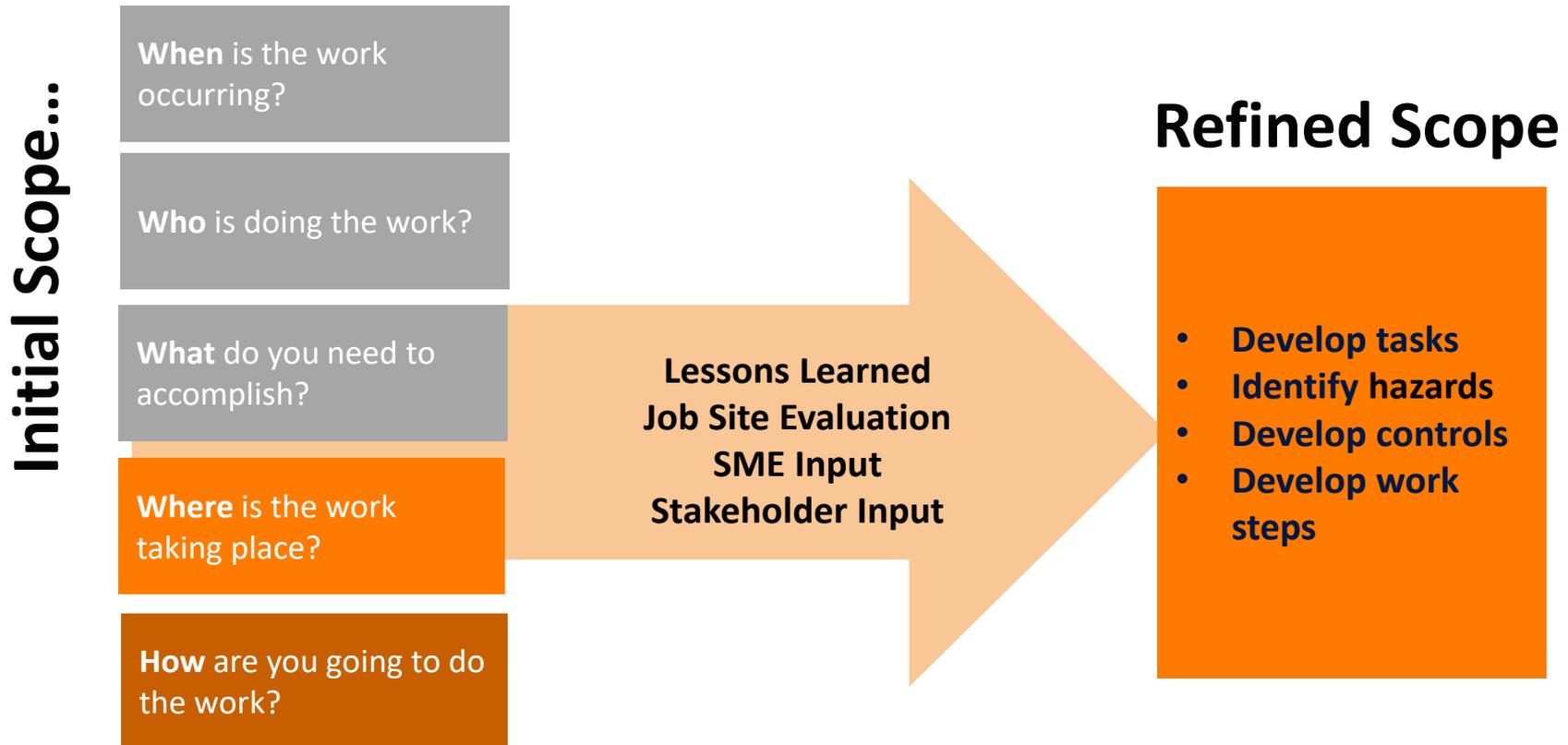
- Targeted at specific hazards with increased risk
- Examples: Burn permit, Lift plan, Radiation work permit, Electrical work permit, Environmental review form

Work Planning Tool

- Best practice
- Job site evaluation tool
- Supplement SOP with location specific information
- Low hazard work

Define Scope of Work

From High Level to Detailed Plan





Working within your scope keeps work on track

Clear Scope



- Prescriptive
- Sequential
- Procedural
- Hazards and mitigation identified

Working Outside of Scope

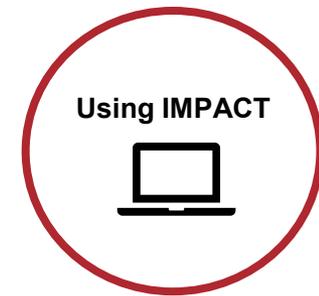


- Open for interpretation
- Non-sequential
- Doesn't include applicable hazards or mitigation



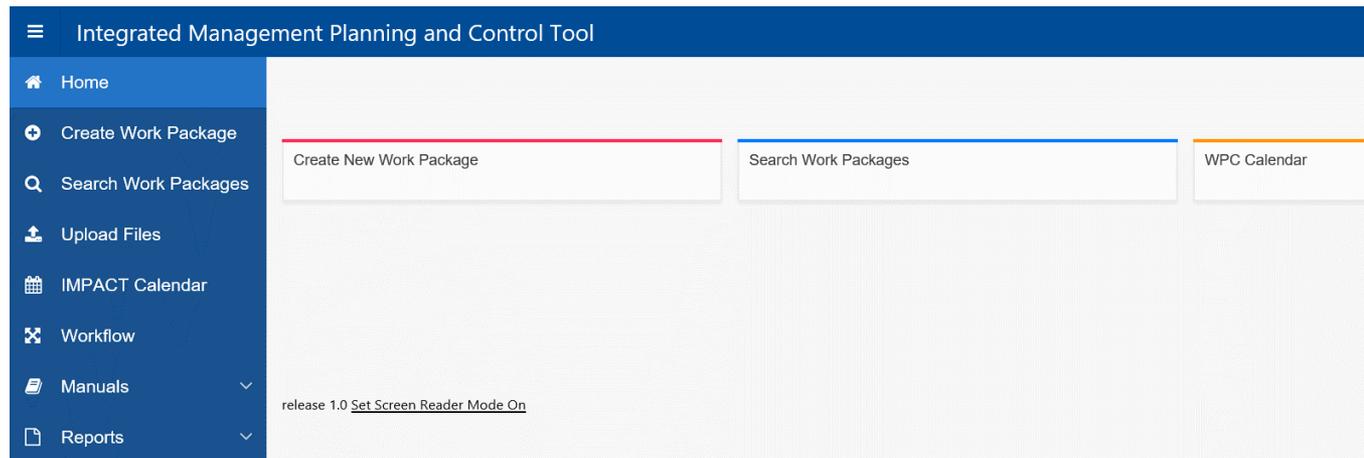
**Scope Creep...
when the bad stuff happens!**

IMPACT Workshop



Introduction to IMPACT

- IMPACT home page
- Search “IMPACT”
- Create Work Package
 - Establish Scope
- Features
 - Required fields
 - Help
 - Locations Search
- <https://esh-docdb.fnal.gov/cgi-bin//ShowDocument?docid=5289>



IMPACT Workshop

Activity 1: Creating Scope and Work Package

Using IMPACT



WKPG

Work Package # -

Delete Cancel **Create**

Job Title * ?	Work Package Status * ?	Managed By Org * ?	Performed For Org * ?
<input type="text"/>	~Select~	~Select~	~Select~
TM/CC/SC/Owner * ?	Phone	Email	Pager
Vulelich, Kathy 16253N			
Additional Contact Info ?			
<input type="text"/>			
Est Start Date * ?	Est End Date * ?	Actual Start Date ?	Actual End Date ?
DD-MON-YY <input type="calendar"/>	DD-MON-YY <input type="calendar"/>	DD-MON-YY <input type="calendar"/>	DD-MON-YY <input type="calendar"/>
Project Name ?	Project Number ?	PO Contract# ?	Release#
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
Job Description ?	Comments ?		
<input type="text"/>	<input type="text"/>		
Locations * ?			

Filter

LESSON 3

Identify Hazards & Mitigate w/ Controls

- Best practices for hazard identification
- How hazard level is assigned
- How to apply the hierarchy of controls to mitigate hazards
- Select hazards and controls in IMPACT



Hazard Analysis Process

The Hazard Analysis Process involves considering the hazards associated with each aspect of the scope of work

Job Site Evaluation

Visit the job site to

- verify conditions
- update scope based on observations
- understand all aspects of the work location.

Roles Involved

Stakeholder Input

SMEs

Work Planner

Worker

Questions to Ask

What is a hazard?

How do I identify a hazard?

How do I mitigate a hazard?

What resources do I have?

What type of work plan do I need?

Understanding Hazards



What is a hazard?

- Condition, event, or circumstance that could lead to or contribute to an unplanned or undesirable event.
- A hazard is the potential for harm.
- In practical terms a hazard often is associated with a condition or activity that if left uncontrolled can adversely affect personnel, equipment or the environment.

Types of Hazards



Hazards can be associated with three categories

TASK BASED

- What does the task entail that creates potential hazards?



LOCATION BASED

- What additional hazards are created by the work environment?
- How does the location affect the task to be performed?

HUMAN ELEMENT

- How do the people involved in the work fit into the task and location of the work?



Task Based Hazards

Understand the nature of the work being performed and the hazards that are created by the work.

- Utilizing chemicals
- Working on a device, equipment, or system that has the potential exposure to energy
 - Electrical
 - Pneumatic
 - Hydraulic
 - Mechanical
 - Stored
- Tools
- Equipment
 - Forklift, aerial, skid steer, crane
- Material



Location Based Hazards



Understand the location of the work being performed and determine what additional hazards are present, or how the task is effected by the location.

- Fall hazards at a height of 4 feet or greater.
- Slips, trips, or fall risk
- Ergonomic
- Access and egress
- Radiation
- ODH
- Other work being performed
- Equipment
- Electrical
- Overhead
- Confined Space
- Work in new environments or remote / field locations



The Human Element

Understand how the people involved in the work fit into the task and location hazards.

- Training
- Experience
- Capabilities
- Job-rotation
- By-standers
- Permits / Forms / Approvals / Authorization
- First-time work
- Work not performed frequently
- Work performed for extended period of time
- Work weekends or on overtime
- Working under highly aggressive schedule/pressure

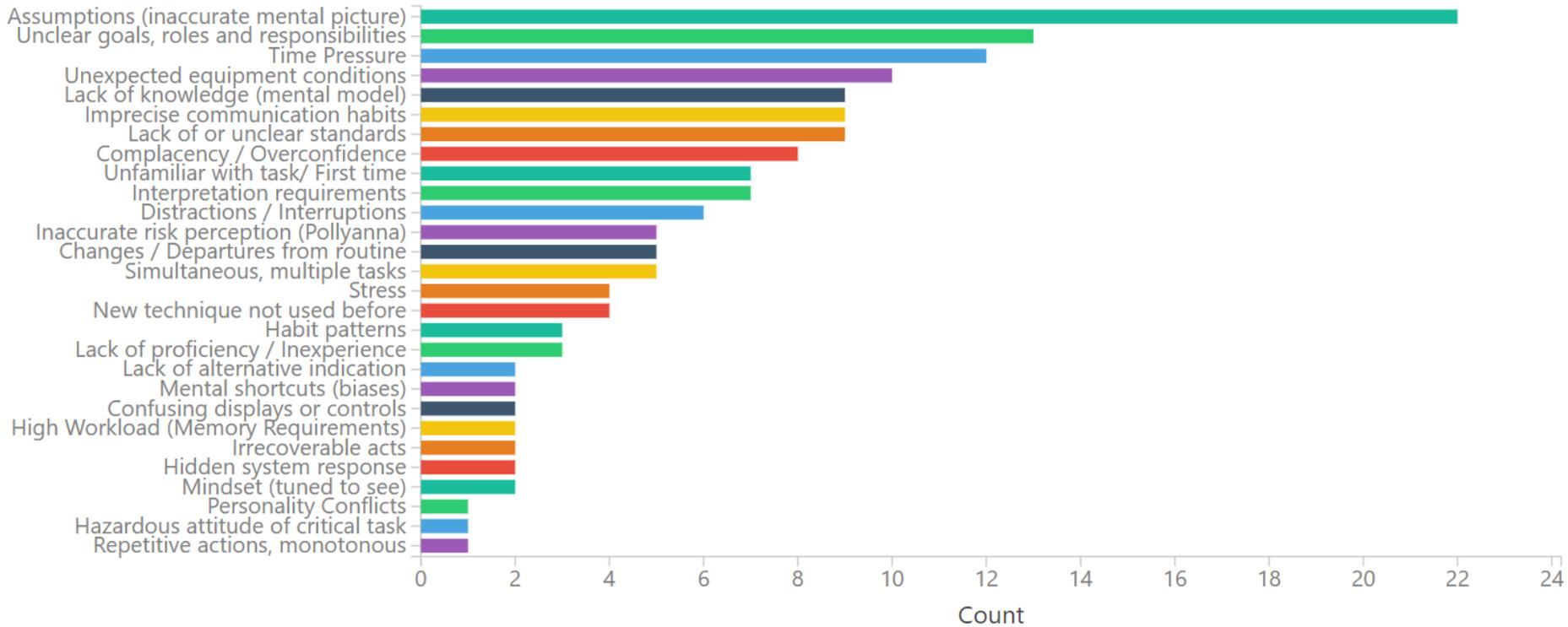


Error Precursors



HPI tools

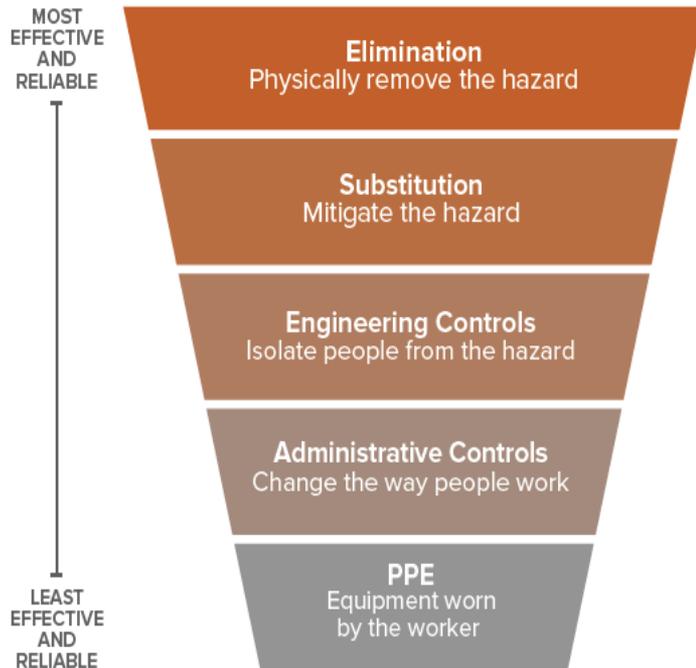
Error Precursors



Current Error Precursors

Controlling the Hazard

Plan to “Fail Safely”

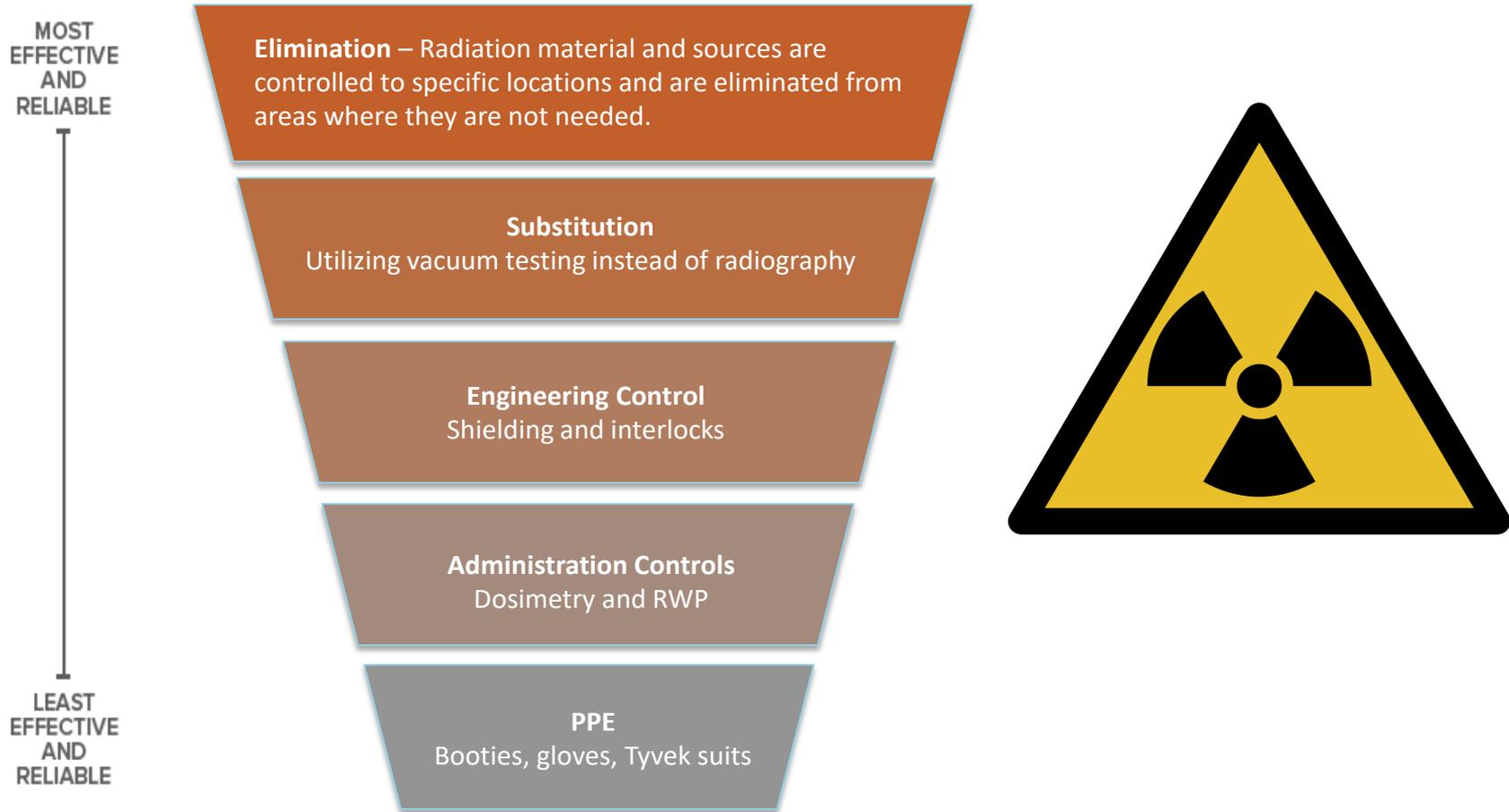


- Verify controls do not conflict or introduce new hazards.
- Apply prevention by designing out the hazards (elimination or substitution)
- Consider changing work location to reduce hazards
- Implement measures aimed at reducing workers exposure to hazards (breaks, rotate worker)



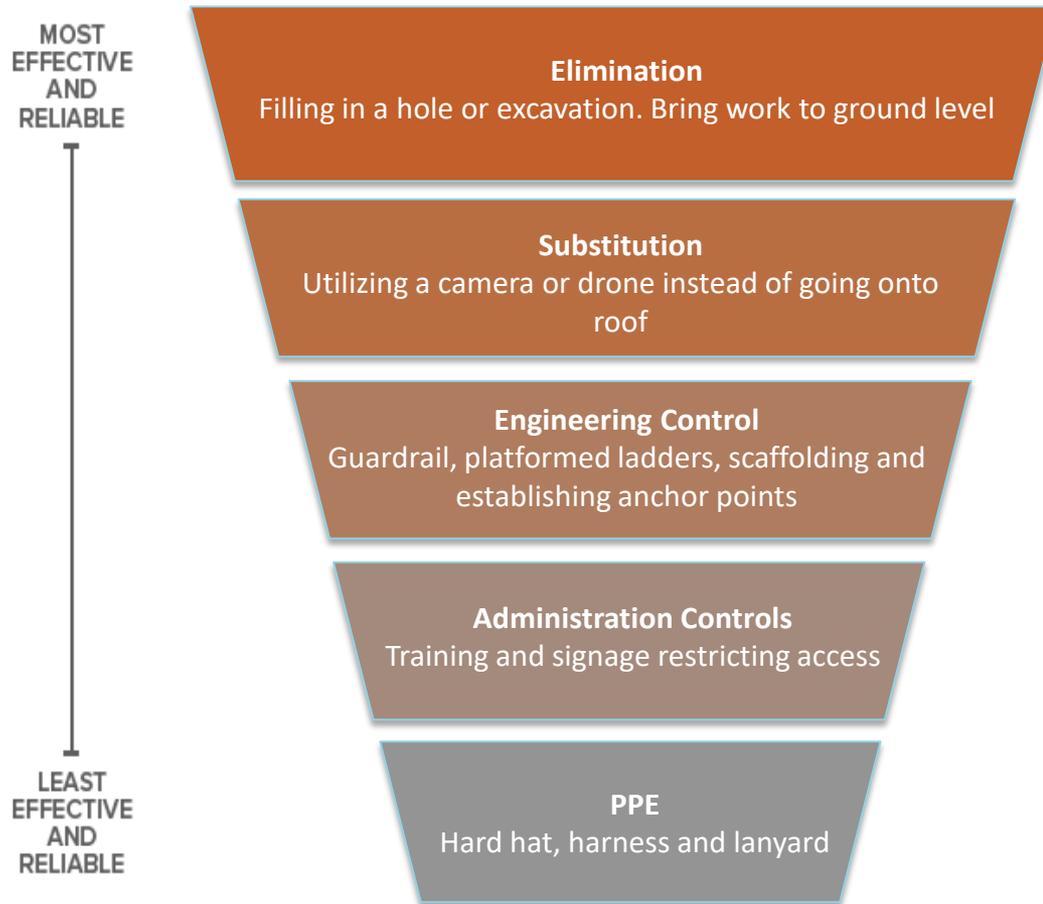
Applying Controls to Hazards

Examples applying to radiation



Applying Controls to Hazards

Examples applying to falls



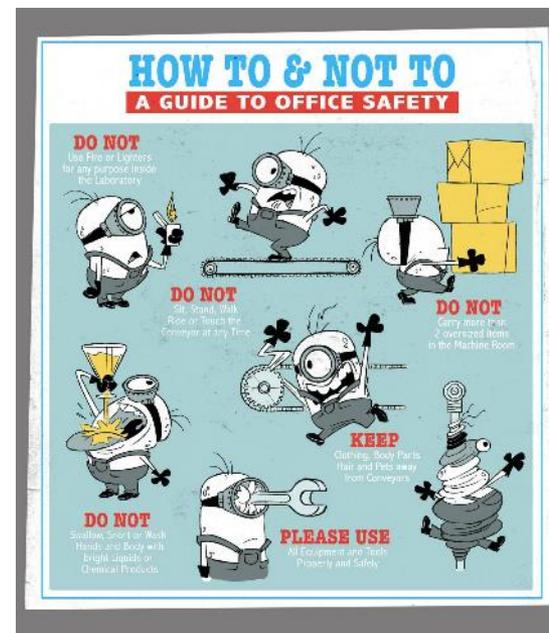
Questions to think about:

- What can fall on me?
- What can I fall off?
- What can I cause to fall onto someone else?



Questioning Hazards

- ✓ What needs to go correctly?
- ✓ What can go wrong?
- ✓ How likely is it to happen and what should we do to prevent it?
- ✓ What are other contributing factors?
- ✓ Are there hazards that create new hazard?



Expect sooner or later, someone will do the unexpected...
Plan to “Fail Safely”!

A Look at Our Surroundings



A Look at Our Surroundings



Determine the Work Plan

Reference Flowchart & Risk Matrix

- <https://esh-docdb.fnal.gov/cgi-bin/RetrieveFile?docid=525&filename=FESHM%202060%20Work%20Planning%20and%20Control.pdf&version=16>

Risk Perception

- An acceptable level of risk is driven by:
 - FESHM in accordance with DOE Orders and Guidance
 - Training
 - Appropriate levels of approvals based on the hazard and risks involved

- If you find yourself saying....
 - Is this right?
 - Is this okay?
 - I'm not sure about this

- Misconceptions
 - We have always done it this way
 - It was always like that
 - No one has ever been hurt



Formal Work Plan - Goals



Hazard Analysis / Standard Operating Procedures / Permits

- Ensuring that we are planning work safely and appropriately according to the increased level of hazards associated with the work.
- Understanding that the work being completed is at an increased risk level and needs to be formalized to capture the complete scope, hazards, mitigation, and control measures
- Effectively communicate the scope, hazards, mitigation and control measures to:
 - Workers
 - Stakeholders
 - SME
 - Authorizing Supervisor
- Breakdown the work into specific steps and associate the hazards, mitigation and controls associated with each step

Generic Hazard Analysis (Enough Detail?)



Activity 2: Review Scope of Work

Set up on job site	Position, weight	Wear PPE
Marking of doors etc, with templates	Struck by, pinch point, projectile	Ask another staff member for help if necessary
Drilling according to template	Noise, burn, projectile, slip	Pre-plan job
Tapping	Projectile, sharp material	Keep work area clean



Specific Hazard Analysis

Clearly Written | Usable | Worker - Focused

- **BE CONCISE**
- **CONSIDER** importance of sequencing
- **LIST** one action per step
- **INSERT** hold points, notes, or warning in a box before the step requiring hazard control
- **IDENTIFY** critical steps
- **INCLUDE** figures, photos, schematics

Example Hazard Analysis

Step #	Description	Safety Hazards/ Potential Environmental Impacts	Precautions/ Safety Procedures
1	Check that HV-534-Ar, HV-509-Ar, and HV-535-N valves have been LOTO'ed.	Exposure to cryogenic fluids	To prevent the flow of cryogenic fluids through any of the concerned pipes all inlet valves must be LOTO'ed before starting the job.
2	Work on ladder (disconnecting flanges)	Fall from height	Ladder user safety training Make sure ladder is stable, make sure all tools are readily available to minimize trips up/down the ladder.
3	Cutting pipes	Bodily injury from awkward position.	Mobile scaffolding will be used to ensure a comfortable and stable position while cutting. Scaffold inspected by competent person prior to daily use
4	Supporting / moving pipes at height	Pipes may fall, equipment damage, bodily injury to people nearby	Pipes will be supported by crane and will be properly secured with adequate straps. Caution tape barricade set up to prevent people being under or near the work area while the work is being done.

IMPACT Workshop



Activity 3: Create the Hazard Analysis

Hazard Analysis

- Create HA

WKPFG Add Form **HA** DP-18 ERF BP

Work Package # 10841 - Replacement of defective 3TON HVAC UNIT AT Site 39 Estimated 30/Mar/20 - 03/Apr/20 Actual -

Hazard Analysis Form 2020-1006

Edit Form Print Clone Edit Form Header Locations Attachments Hyperlinks People to Notify Governing Chapters

Dates 30-MAR-20 — 03-APR-20

Performed On Directorate, Deputy Chief Operating Office, Facilities Engineering Services Section

Authorizing Supervisor Sliwa, Larry (14856N) 630.840.3582

Prepared By Borcean, Marcel (30847N) 630.840.8016

Job Description The propose of this project is to furnish all labor and materials necessary for the removal and replacement on one (1) Three Ton cooling only mini split system, similar to the existing located in server room at Site 39.

TM/CC/SC/Owner Borcean, Marcel (30847N) 630.840.8016

Performed For FE — Directorate, Deputy Chief Operating Office, Facilities Engineering Services Section

Workflow Status Submitted

This Form cannot be deleted for the following reason(s):
Workflow was already submitted.

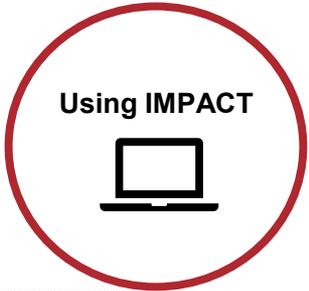
Package Location

Type	Name	Building Manager	Org
Floor	Site 39 / Ground Floor [926]	Wywiałowski, Alan (13680N) 630.840.5556	FE

Details / Hazards Identified

Industrial Hazards ✓ Welding/Cutting/Brazing/Grinding

Environmental Hazards ✓ Use of refrigerants



Activity 3: Create the Hazard Analysis

Hazard Analysis

- Select hazards
- Document process steps
- Identify mitigating actions
- Identify PPE & controls

Controls

- Danger tape & signage
- Barricades - solid
- Barricades - soft (caution tape)
- Road Closure
- Soil/erosion control
- Site dust control

Complete the table below by identifying the work tasks and their associated hazards and mitigation that will reduce risk of the hazards.

Step #	Critical Step	Process Step	Hazard Details	Mitigation Details
<input type="checkbox"/>	No ▾			
<input type="checkbox"/>	No ▾			
<input type="checkbox"/>	No ▾			

Add More Rows

Cancel * Fields are required only when submitting for approval. You may leave required entries empty and finish them later. Save Form Data

Hazard Analysis - Form 2020-1006

Cancel * Fields are required only when submitting for approval. You may leave required entries empty and finish them later. Save Form Data

Additional Details

Check the boxes next to all types of work and known hazards you may encounter on this job.

Industrial Hazards

- Flammable Gas Areas
- Working within Magnetic Field areas
- Heat Stress / Cold Stress
- Structural Demolition
- Excavation
- Scaffold Erection
- Scaffold Use
- Ladder Use
- Steel Erection
- Fall Protection - Fall Exposures >4 feet (>6 feet for construction)
- Heavy Equipment Operation (crane, boom lift, excavator)
- Critical Crane Lift
- Rotating Equipment
- High Pressure air/fluids
- Welding/Cutting/Brazing/Grinding
- Lead (Lead paint, moving bricks, cutting sheets, soldering)
- Chemical Use (cleaners, solvents, adhesives, etc.) - If checked attach or link SDS to the HA [Upload Files](#) [Add Hyperlinks](#)
- Non-ionizing radiation (lasers, RF, UV, magnets)
- Confined Space
- Ergonomics (overexertion, repetition, heavy lifting, awkward lifting, static posture)
- Overexertion
- Silica (machining - concrete, asphalt, grout, mortar)
- Loud Noise (continuous, instantaneous)
- Asbestos (presumed or suspect building materials, e.g. tile, pipe insulation, roofing materials, etc.)
- Nanomaterial (1-100nm, ex. buffing solutions, surface material coating, 3d printing)
- Beryllium
- Potential Oxygen Deficiency - ODH 1 or ODH 2 Area

Electrical Hazards

- Manipulative Energized Work
- Diagnostic Energized Work (inc. LOTO verification)
- Working within 25 feet of 345KV overhead utilities

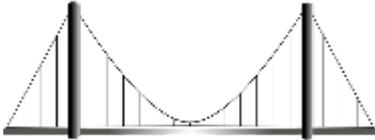
LESSON 4

Work Authorization



WPC Process - Authorization

Collaborating to assess risk and assign risk level



Authorizing Work Review



Types of Reviews, Who Should Attend, What Occurs

WHO NEEDS TO APPROVE

- Authorizing Supervisor
- *SMEs & AHJs, as needed
- *Stakeholders, as needed

Communicate &
Collaborate



WHO SHOULD BE INFORMED

- Stakeholders:
 - SMEs
 - Building Manager
 - Equipment owners

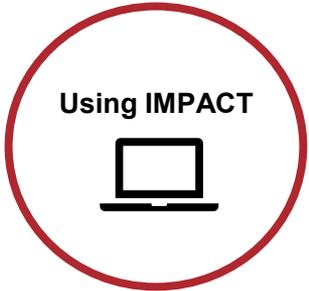


WHAT OCCURS

- Reviewing work plan and ensuring:
 - Hazards identified and mitigated
 - Training identified and completed
 - Work is appropriate for workers completing work
- Appropriate people are being notified and informed

IMPACT Workshop

Activity 4: Work Plan Authorization



- Submit HA to Workflow
- SME Review
- Authorizing Supervisor Approval

WPKG Add Form HA CSP

Work Package # 10561 - test HA type Estimated 26/Mar/20 - 27/Mar/20 Actu

Hazard Analysis - Testing Comments
Form 2020-741

Edit Form Print Submit For Approval History Clone Edit Form Header Workers Locations Attachments Hyperlinks People to Notify

Dates 26-MAR-20 — 27-MAR-20
 Performed On Core Computing Division
 Authorizing Supervisor Vuleitch, Kathy (16253N) 630.840.5182
 Prepared By Vuleitch, Kathy (16253N) 630.840.5182
 TM/CC/SC/Work Planner Vuleitch, Kathy (16253N) 630.840.5182
 Performed For CCD — Core Computing Division
Workflow Status Ready for Approval

This Form cannot be deleted for the following reason(s):
 Every work package is required to have at least one copy of this Form.

Package Location

Type	Name	Building Manager	Org
Floor	1 Sauk Blvd - Aspen East / Attic [036]	Hawkins, Jack (12384N) 630.840.3082	FE

Details / Hazards Identified
 Industrial Hazards ✓ Confined Space

IMPACT - HA Form #2020-681 Review - Industrial Hygiene Oversight

IMPACT@fnal.gov
 To Kathy Vuleitch

We removed extra line breaks from this message.

In your role as "Industrial Hygiene Oversight" the following Integrated Management Planning and Control Tool item requires your review.

Please go to <https://ccdapps-dev.fnal.gov/pls/apex/f?p=100> to complete your review.
 Form 2020-681 — Hazard Analysis
 Work Package 10521 — Testing in DEV Workflow - 3/5/2020 Work Package Owner Vuleitch, Kathy (kathy@fnal.gov)

Workflow

- Home
- Workflows
- Journal Reports

Note — In some cases your workflow task may no longer be necessary because someone else in your approval/review group has already responded to the workflow item. Change the "Status" option to "Inactive" or "All" to see additional workflow items.

Status: All Worker: ~Any Worker~ Application: Integrated

Worker	Application	Task	Status	Outcome	Source	Approval	Comments
McHugh, Eric D	Integrated Management Planning and Control Tool	IMPACT - HA Form #2020-730 Approval - Supervisor	Completed	Approved	Source Link	Approval Link	Test for comment section. Kathy, IMPACT.
Vuleitch, Kathryn	Integrated Management Planning and Control Tool	IMPACT - HA Form #2020-729 Approval - Supervisor	Completed	Denied	Source Link	Approval Link	test
Vuleitch, Kathryn	Integrated Management Planning and Control Tool	IMPACT - HA Form #2020-726 Approval - Supervisor	Completed	Approved	Source Link	Approval Link	approve for print test

1 - 3

LESSON 5

PERFORM WORK



Performance of Work

- Work plan in place including approvals, permits, and notifications.
- Conduct pre-job brief
- Perform work in accordance with the work plan
- Stop work if unsafe acts, behaviors, or conditions identified
- Work Plan should be updated and communicated if the scope or hazards change.
- Work area should be cleaned after work is complete
- Area should be released back to necessary stakeholders



Pre-job Briefing



Types, Questions, and Best Practices

The pre-job briefing is the last confirmation of readiness before performing work

WHO

- Led by Worker Planner or Point of Contact
- Worker



ELEMENTS

- Job walk down
- Verbally confirm specific training
- Review of work plan, sign if formal authorization required for work plan
- Confirm hazards / mitigation and scope accurate
- Confirmation and Inspection of PPE, equipment and tools

QUESTIONS

- What are we doing?
- Who is involved and affected?
- What tools, equipment, and material?
- Hazards
- What is the worst that can happen?
- What mitigations and controls are required?

STOP WORK

Everyone is responsible...without fear of reprisal

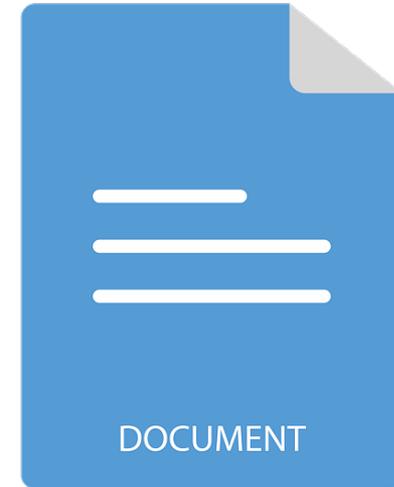


- **Anyone can stop work!**
- Use that authority when uncertain about the safe conduct of work
- You have the right and duty to stop work that poses an immediate threat to the safety of any person including yourself.

Updating the Work Plan



- The work plan should be updated if:
 - Scope changes
 - New hazards
 - Mitigations not effective
- Updated work plan should be communicated to workers and affected individuals



Clean-up & Release Work

- Area should be kept clean as possible as work is being performed.
- After work is complete all items and debris should be removed from the area.
- Barriers, postings, and other applicable safety features may be left in place if still required.
- Once work is completed and cleaned the area should be released to the appropriate personnel.

LESSON 6

EVALUATE WORK

Lessons Learned
Post Job De-brief



Post Job De-Brief



Who Should Attend, Questions to Ask, and Best Practices

A post-job review identifies best practices, improvement opportunities, or conditions to record for planning future jobs

ATTENDEES

- Work Planner
- POC
- Workers



QUESTIONS

- What went right?
- What went wrong?
- Did anything unexpected occur?
- Can we make it better?

ACTIONS

- Update HA and SOP
- Communicate lessons learned as needed

LESSON 7

Wrap-up

- Key Take-Aways
- WPC Support & Resources
- Complete an evaluation



SHAPE - Work Planning & Control Process

Evaluate

- **Post Job Debrief**
 - Lessons Learned
 - Update Work Plan and HA

Perform Work

- **Work within Controls**
 - Stop and reevaluate if conditions change
 - Clean up
 - Release work

Authorize Work

- **Gain approval to work**
 - Approving Supervisor
 - Work Planner
 - Point of Contact
 - Workers

Scope of Work

- **Identify Scope of Work**
 - What
 - Where
 - Who
 - When
 - How
 - Why

Hazards & Controls

- **Identify Hazards and Controls**
 - Engineered Controls
 - RWP, LOTO, etc.
 - SOP, HAs, Permits
 - Checklists, Travelers
 - Training
 - PPE



Key Take-Aways

Apply to your work now

- Face to face communication & collaboration throughout process
- SME, ESH, workers are engaged early in the process
- Questioning attitude during hazard analysis, control mitigation, work execution
- POCs / workers perform job readiness check; pause work if needed
- Frequent briefings with POC, worker, team for ongoing risk management
- Collect feedback

Information & Resources

For more information and resources

- Visit the Work Planning & Control Webpage - <https://eshq.fnal.gov/atwork/wpc-rework-page/>



ESH public site

- Manuals >
- Environmental Reports
- Worker Safety and Health for Subcontractors
- ES&H Organizational Chart

ESH at work

- Emergency Management >
- Environmental Protection >
- Human Performance Improvement (HPI)
- Industrial Hygiene >
- Medical Office
- Radiological Protection >
- Safe At All Times
- Safety – Construction >
- Safety – Occupational >
- Training
- Work Planning & Control

At Fermilab scientists, technicians and visitors work closely with Environment, Safety and Health professionals and subject matter experts from a variety of disciplines to plan, build and achieve successful experiments.

This website is the one-stop shop and official reference for all Fermilab ESH information and documentation.

Emergency Management

How to prepare and train for emergencies and the hazards to be aware of when an emergency occurs.

Environmental Protection

At Fermilab we make every effort to integrate environmental consideration in everything we do.

Recent updates

- COVID-19 -- Employee Information and Resources
- CORONAVIRUS (COVID-19)
- REAL I.D. at Fermilab
- Purchase Req. (PR) Database
- PR Database Instructions
- ESH Travel Instructions
- Self-Assessment Plan
- SURF Governance Matrix

Stay safe

- ESH news
- HPI Event Timeline & Database
- Hazard Analysis IMPACT
- Hazard Analysis (HA) Form & Database
- Hazard Analysis (HA) Form (PDF/Word)
- FermiDash ESH-KPIs
- FESHCom
- IMPACT
- Read & Sign General Enclosure RWP

Contact

For questions or assistance contact your:

➤ DSO - <https://eshq.fnal.gov/atwork/safety-occupational/>

➤ Supervisor

