



Hanford Site Worker Eligibility Tool

***Verifying Activity-Level Worker
Medical Clearance and Training***

Integrated Safety Management Champions Workshop

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May 2013

The Challenge and Goal

- Qualified (eligible worker)
 - Medically cleared and trained
- The Challenge
 - Line management verifying workers are qualified prior to assignment on a multi-contractor site
- The Goal
 - Promote worker health and safety through a user friendly reporting system – the Hanford Site Worker Eligibility Tool (HSWET)

Activity-Level Hazard Identification and Control

- Automated Job Hazard Analysis (AJHA)
 - Computer program used to identify activity-level hazards and controls for work packages
 - Automatically specifies training as a control for a correlating hazard
 - Medical is not currently automatically specified, but planned for future upgrade

HSWET Reporting Areas

Two Primary Activity Level Working Areas

Work Control

- CHET (Work Package)

- Resources (e.g., craft)

- Automated Job Hazard Analysis (AJHA)

- Medical/Training

- Eligibility Report; meets all criteria

Job Function

- Organization

- Group of people

- Craft Specific Hazard Analysis (CSHA)

- Medical/Training

- Eligibility Report; meets all criteria

- Watchstander Report; current status

People

Hazard

Analysis

Controls

Report

CHET – Job Activity Screen

Provides general work package information

This work package is to repair steam heaters in the Plutonium Finishing Plant (PFP)

Key Point(s):
Enter date range to work the package

hswet Hanford Site Worker Eligibility Tool

HID, Name, or Org
Advanced Org Search

HOME SEARCH **CHET** ORGS GROUPS SYSTEM SUPPORT

NEW: Comprehensive Hanford Eligibility Tool (CHET). Questions? Contact Jim Hamilton, 372-2433, or Gerald Eaton, 376-4842. For medical clearance questions contact HPM at 376-2705 or 376-6836.

CHET: 2Z-12-00295/Y

Job Activity Resources Training/Medical Resource Matrix

2Z-12-00295/Y

Job Activity

JCS Work Activity
 Maximo Work Activity
 Procedure
 Other Activity

Document Number: 2Z-12-00295/Y

Title: REPAIR 234-5Z SUPPLY FAN STEAM HEATERS (HOT WORK); Expires

Facility: 2Z

Building: 234-5Z/321

Room:

Date Start: 06/01/2013 Date Stop: 06/30/2013

CHET – Resources Screen

People

Displays resources (craft) specified in the work package

CHET: 2Z-12-00295/Y Search Reports

Job Activity **Resources** Training/Medical Resource Matrix

Resources 2Z-12-00295/Y

JCS Resource 24 - Pipefitters Total Criteria (#13)

COCS: C081 - Pipefitters PROJECT: CHPRC PFP

JCS Resource 40 - Welders Total Criteria (#4)

COCS: C110 - Welders

JCS Resource 04W - Nuclear Wst Process Op Total Criteria (#101)

COCS: R051 - Nuclear Wst Process Oper (NCO) PROJECT: CHPRC PFP

CHET – Resources Screen (cont.)

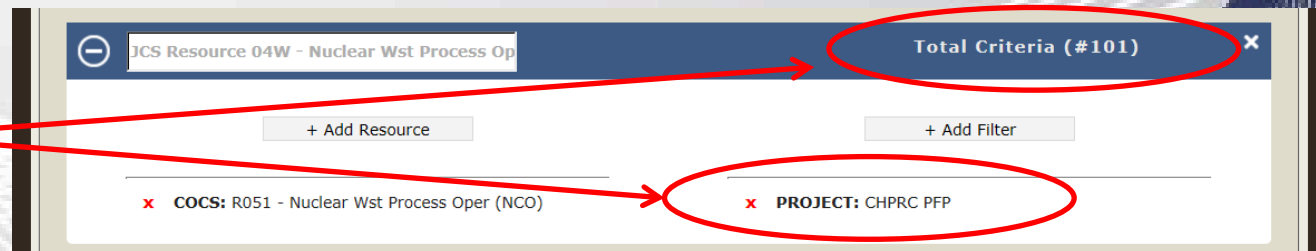
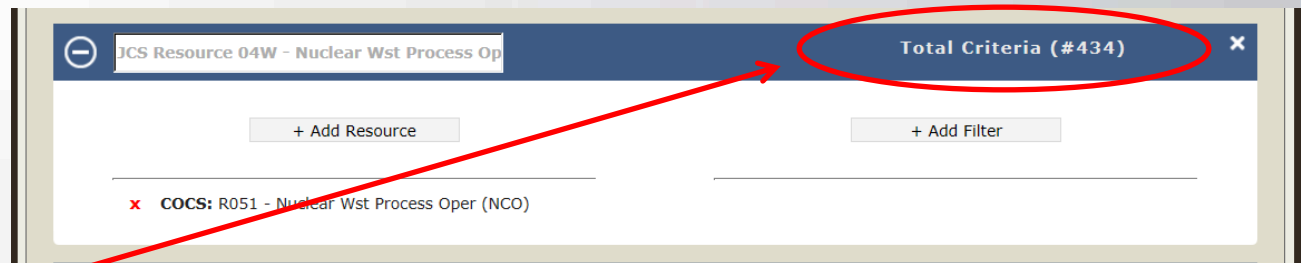
People

Initially includes entire Hanford Site as a resource pool

Key Point(s):
Allows adding a filter to narrow the population

Number of people prior to filter (434)

Number of people after filter (101)



CHET – Training/Medical Screen

Hazard Analysis & Controls

Automatically adds training controls from activity-level hazard analysis

Key Point(s):
Lists the hazard analysis for the work package

Lists the training controls

CHET: 2Z-12-00295/Y Search Reports

Job Activity | Resources | **Training/Medical** | Resource Matrix

Training/Medical 2Z-12-00295/Y

Add Training Courses: Add Hazards/Controls:

Add AJHA:

Selected AJHAs

Title	Rev
2Z-5054	Rev. 4 x

Selected Hazards/Controls

Title

Selected Training Courses/Medical Programs

Source	Type	Code	Title	
JCS	T	020049	COMPRESSED GAS CYLINDER SAFETY	⊗
JCS	T	044371	USERS SCAFFOLD SAFETY - CBT	⊗
JCS	T	044391	PORTABLE LADDER SAFETY - CBT	⊗
JCS	T	044400	FIRE WATCH TRAINING	⊗
JCS-CORE	T	000001	HANFORD GENERAL EMPLOYEE TRAINING - CBT	⊗
JCS-CORE	T	000006	CHPRC - GENERAL EMPLOYEE TRAINING (CGET)	⊗
JCS-CORE	T	204100	PFP EMPLOYEE / VISITOR ORIENTATION - CBT	⊗

CHET – Training/Medical Screen (cont.)

Hazard Analysis & Controls

Add medical/training controls

Key Point(s):
This adds both medical and training requirements

Currently manual addition...automation planned for future

CHET: 2Z-12-00295/Y Search Reports

Job Activity | Resources | **Training/Medical** | Resource Matrix

Training/Medical 2Z-12-00295/Y

Add Training Courses: Add Hazards/Controls:

Add AJHA:

Selected AJHAs		
Title	Rev	
2Z-5054	Rev. 4	x

Selected Hazards/Controls	
Title	
Beryllium Worker	x
RCRA/CERCLA site (40 hr)	x

Selected Training Courses/Medical Programs			
Source	Type	Code	Title
SELF	M	BERCU	BERYLLIUM WORKER
SELF	M	HAZWS	HAZARDOUS WASTE WORKER MEDICAL EVAL
SELF	T	004140	BERYLLIUM WORKER TRAINING
SELF	T	031220	40-HOUR HAZARDOUS WASTE SITE WORKER
SELF	T	031420	3-DAY SUPERVISED FIELD EXPERIENCE

CHET – Resource Matrix Screen

Lists how the requirements are assigned to the resources

CHET: 2Z-12-00295/Y Search Reports

Job Activity | Resources | Training/Medical | **Resource Matrix**

Medical/Training Resource Matrix 2Z-12-00295/Y

[-] JCS Resource 24 - Pipefitters

Medical Programs

- BERCU - BERYLLIUM WORKER
- HAZWS - HAZARDOUS WASTE WORKER MEDICAL EVAL

Training Courses

- 020049 - COMPRESSED GAS CYLINDER SAFETY
- 044371 - USERS SCAFFOLD SAFETY - CBT
- 044391 - PORTABLE LADDER SAFETY - CBT
- 044400 - FIRE WATCH TRAINING
- 000001 - HANFORD GENERAL EMPLOYEE TRAINING - CBT
- 000006 - CHPRC - GENERAL EMPLOYEE TRAINING (CGET)
- 204100 - PFP EMPLOYEE / VISITOR ORIENTATION - CBT
- 004140 - BERYLLIUM WORKER TRAINING
- 031220 - 40-HOUR HAZARDOUS WASTE SITE WORKER
- 031420 - 3-DAY SUPERVISED FIELD EXPERIENCE

[-] JCS Resource 04W - Nuclear Wst Process Oper (NCO)

Medical Programs

- BERCU - BERYLLIUM WORKER
- HAZWS - HAZARDOUS WASTE WORKER MEDICAL EVAL

Training Courses

- 020049 - COMPRESSED GAS CYLINDER SAFETY
- 044371 - USERS SCAFFOLD SAFETY - CBT
- 044391 - PORTABLE LADDER SAFETY - CBT
- 044400 - FIRE WATCH TRAINING
- 000001 - HANFORD GENERAL EMPLOYEE TRAINING - CBT
- 000006 - CHPRC - GENERAL EMPLOYEE TRAINING (CGET)
- 204100 - PFP EMPLOYEE / VISITOR ORIENTATION - CBT
- 004140 - BERYLLIUM WORKER TRAINING
- 031220 - 40-HOUR HAZARDOUS WASTE SITE WORKER
- 031420 - 3-DAY SUPERVISED FIELD EXPERIENCE

CHET – Report Result

Report

Lists the report criteria

Lists the number of eligible workers

Lists next training or medical due date (yellow due in date range)

Highlights work restriction

JCS Resource 05 - Utilities System Operators							
Activity Data							
JCS Work Package: 2Z-12-00295/Y		Start Date: 06/01/2013		Stop Date: 06/30/2013			
Title: REPAIR 234-5Z SUPPLY FAN STEAM HEATERS (HOT WORK); Expires 05/2013							
Facility: 2Z		Building: 234-5Z/321		Room:			
Resource List							
Resources				Filters			
COCS: R070 - Utilities System Operators				PROJECT: CHPRC PFP			
AJHA/Hazards List							
AJHA				Hazards			
2Z-5054 REPAIR 234-5Z SUPPLY FAN STEAM HEAT				Beryllium Worker RCRA/CERCLA site (40 hr)			
Medical				Training			
BERCU: BERYLLIUM WORKER HAZWS: HAZARDOUS WASTE WORKER MEDICAL EVAL				000001 HANFORD GENERAL EMPLOYEE TRAINING - CBT 000006 CHPRC - GENERAL EMPLOYEE TRAINING (CGET) 004140 BERYLLIUM WORKER TRAINING 031220 40-HOUR HAZARDOUS WASTE SITE WORKER 031420 3-DAY SUPERVISED FIELD EXPERIENCE 044391 PORTABLE LADDER SAFETY - CBT 044400 FIRE WATCH TRAINING 204100 PFP EMPLOYEE / VISITOR ORIENTATION - CBT			
Eligible Workers							
11 out of 17 eligible workers found							
Employee	HID	Company	Next Trng Due	Training Due Date	Next Med Due	Medical Due Date	WR
Beutler, Richard	0004619	CHPRC	000001	09/25/13	HAZWS	12/27/13	
Duarte, Edward	9813216	CHPRC	204100	11/20/13	HAZWS	10/09/13	
Harle, Luanna	0057566	CHPRC	000001	10/01/13	BERCU	10/15/13	
Mitzlani, David	0036150	CHPRC	204100	10/14/13	HAZWS	01/17/14	
Movick, Robert	0059103	CHPRC	031220	11/07/13	HAZWS	12/21/13	
Olsen, Jeanne	0048701	CHPRC	204100	06/28/13	BERCU	12/14/13	
Petry, Murrel	3988698	CHPRC	000001	09/11/13	BERCU	03/13/14	X
Richardson, Paul	0021919	CHPRC	204100	07/14/13	BERCU	06/27/13	

Organization – Worker Criteria Tab

People

Identify the worker base

Preferred to link to HR data...then changes are updated automatically

Lists the worker base

Other workers can be added, but requires manual maintenance

Organizations Editor
(Click on New to create a new org. If working with an existing Org, click on the Edit button to toggle the Org Edit form on and off.)

PFP Waste Operations [Org Reqs] [Delete] [New]

[Properties] [FOCs] [Worker Criteria] [Other Workers] [Sharing/Security] [Audit Log] [Copy Org] [Requirements Summary]

Worker Criteria for this Organization

Projects

CHPRC PFP	<	ATL CHPRC CHPRC D & D CHPRC S&GRP CHPRC W&FMP Mission Support Alliance	>
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Departments

PB710000 WASTE OPERATIONS	<	PB000000 PFP CLOSURE PROJE PB100000 OPERATIONS PB110000 OPERATIONS SUPPOI PB120000 OPERATIONS SHIFT A PB130000 OPERATIONS SHIFT E PB140000 OPERATIONS SHIFT C	>
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COCS Codes

	<	Accountants and Auditors (P010) Administrative Assistants (G010) Architects (P020) Boilermakers (C082) Buyers/Procurement/Contracting (F Carpenters (C010)	>
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Learner Groups

	<	Abeyta, William E (1703) Adair, Toby J (ROOM 235-B) (1985) Adams, Edward J (2068) Adkins, Randall J (1827) Agee, Robert B (1038) Aguirre, Jesus M (1134)	>>
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[Save Changes]

Sum of Criteria

CHPRC PFP (PB)
+ WASTE OPERATIONS (PB710000)

- John Andrew (0094934)
- Catherine Clements (0017173)
- Michael Esparza (0017206)
- Dale Harder (0095106)
- Scott Harder (0036865)
- Gary Haynes (0047240)
- Ronald Korsvik (0054479)
- Robin Scott (0092648)
- Kathryn Turner (0037961)
- Terrance Watson (0054110)

10 People Total.

Organization – Hazards Tab

Hazard Analysis & Controls

Identify hazards with medical clearance controls

Identifies if something's been selected

Lists what medical and training controls will be added

PFP Waste Operations Org Reqs Delete New

Haz Waste Operations x +

Hazards Other Training Watchstander Preview Eligibility Preview Schedule E-Mails

Hazards

Select the hazards with medical and training requirements. This filter causes the system to return only those people who are medically cleared and trained to work with that hazard. If you select more than one hazard, the system will return only those people who are cleared for all the specified hazards.

Asbestos	0 of 7
Beryllium	1 of 1
<input checked="" type="checkbox"/> Beryllium Worker [?]	
Hexavalent Chromium	0 of 1
Crane Operator	0 of 7
Crane Inspection and Maintenance	0 of 6
CMV Driver	0 of 4
Fissionable Material Handler	0 of 2
Hazardous Waste Operations	1 of 5
Lead	0 of 1
Respiratory Protection	0 of 6
Tank Farms	0 of 2
Other	0 of 29

Reset Save Changes

Information

Beryllium Worker

Training Requirement(s)

- 004140 BERYLLIUM WORKER TRAINING

Medical Requirement(s)

- BERYLLIUM WORKER

Organization – Other Training Tab

Hazard Analysis & Controls

Organizations Editor
(Click on New to create a new org. If working with an existing Org, click on the Edit button to toggle the Org Edit form on and off.)

PFP Waste Operations Org Reqs Delete New

Haz Waste Operations x

Hazard Other Training Watchstander Preview Eligibility Preview Schedule E-Mails

Other Training

View Course List Remove Courses Key Courses* Rollup Equivs*

From Curriculum: OPTIONAL - Waste Ops Qual (2076)
200614 PFP WASTE OPERATIONS NCO QUALIFICATION - INITIAL

From Curriculum: PFP Employee (5483)
000001 HANFORD GENERAL EMPLOYEE TRAINING - CBT
000006 CHPRC - GENERAL EMPLOYEE TRAINING (CGET)
204100 PFP EMPLOYEE / VISITOR ORIENTATION - CBT

From Hazard: Beryllium Worker
004140 BERYLLIUM WORKER TRAINING

From Hazard: RCRA/CERCLA site (40 hr)
031220 40-HOUR HAZARDOUS WASTE SITE WORKER
031420 3-DAY SUPERVISED FIELD EXPERIENCE

Add ELM Curriculum : [?] (BEST) [-]

Level 1 Curriculum Category:

Prime:

Curriculum Keyword(s):
2076

Reset Search

Curriculum Result Set: select all

OPTIONAL - Waste Ops Qual (2076)

Add additional required training

Lighter shade – from previous Hazard tab

Organization – Eligibility Report

Report

Provides a list of people who meet all requirements

Lists report criteria

Yellow – Due 90 days

Eligibility List Search Results

Job Start Date	05/06/2013	Job End Date	08/04/2013
Worker Base	PFP Waste Operations		
Requirement Set	Haz Waste Operations		
Medical	BERYLLIUM WORKER [BERCU] HAZARDOUS WASTE WORKER MEDICAL EVAL [HAZWS]		
Training	004140 BERYLLIUM WORKER TRAINING [004140] 031220 40-HOUR HAZARDOUS WASTE SITE WORKER [031220] 031420 3-DAY SUPERVISED FIELD EXPERIENCE [031420]		
Additional Courses	000001 HANFORD GENERAL EMPLOYEE TRAINING - CBT [000001] 000006 CHPRC - GENERAL EMPLOYEE TRAINING (CGET) [000006] 200614 PFP WASTE OPERATIONS NCO QUALIFICATION - INITIAL [200614] 204100 PFP EMPLOYEE / VISITOR ORIENTATION - CBT [204100]		

[Email Report](#)

Eligible Workers					Med Qual, Training Def			
HID	Last Name	First Name	Resp Co	Alerts(s)	HID	Last Name	First Name	Resp Co
0094934	Andrew	John	CHPRC	• TRNG Due 07/10/2013	0047240	Haynes	Gary	CHPRC
0017206	Esparza	Michael	CHPRC		Number of People Medically Qualified but Training Deficient: 1			
0095106	Harder	Dale	CHPRC					
0036865	Harder	Scott	CHPRC					
0054479	Korsvik	Ronald	CHPRC					
0092648	Scott	Robin	CHPRC					
0037961	Turner	Kathryn	CHPRC					
0054110	Watson	Terrance	CHPRC	• TRNG Due 05/20/2013				

Number of People Eligible (Medically Qualified, if applicable, and Trained): 8

Organization – Watchstander Report

Report

Provides a status summary

Lists report criteria

Blue – Current
 Yellow – Due 90 days
 Red – Expired

Lighter Shade – Not on training plan

Watchstander List Search Results

Selected Job Criteria

Job Start Date	05/06/2013	Job End Date	05/06/2013
Worker Base	PFP Waste Operations		
Requirement Set	Haz Waste Operations		
Medical Programs	BERYLLIUM WORKER (BERCU) HAZARDOUS WASTE WORKER MEDICAL EVAL (HAZWS)		
Training Courses	000001 HANFORD GENERAL EMPLOYEE TRAINING - CBT 000006 CHPRC - GENERAL EMPLOYEE TRAINING (CGET) 200614 PFP WASTE OPERATIONS NCO QUALIFICATION - INITIAL 204100 PFP EMPLOYEE / VISITOR ORIENTATION - CBT 004140 BERYLLIUM WORKER TRAINING 031220 40-HOUR HAZARDOUS WASTE SITE WORKER 031420 3-DAY SUPERVISED FIELD EXPERIENCE		

Organizational Status

Expired	Expired but not on EJTA or Training Plan	Due within 90 days	Due within 90 but not on EJTA or Training Plan	Current	Current but not on EJTA or Training Plan	Not Complete	Not complete but not on EJTA or Training Plan	Key Training
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Table Data:

Employee	WR	Hazardous Waste Operations - RCRA/CERCLA			Beryllium - Beryllium Wo		Addl Courses			
		[HAZWS] MEDICAL	[031220] 40 HR.HAZ	[031420] 3-DAY WST	[BERCU] MEDICAL	[004140] 004140 BER	[000001] HGET	[000006] CHPRC GET	[200614] PFP WASTE	[204100] PFP EMPLOY
Andrew, John		03/26/2014	06/06/2013	COMPLETED	03/26/2014	02/28/2014	07/10/2013	07/10/2013	08/09/2014	08/01/2013
Clements, Catherine	Y		10/19/2012	COMPLETED	11/03/2012	03/07/2015	10/30/2013	10/30/2013	03/09/2013	10/30/2013
Esparza, Michael		12/06/2013	06/14/2013	COMPLETED	12/06/2013	10/22/2014	10/17/2013	10/17/2013	10/03/2014	10/15/2013
Harder, Dale		10/16/2013	10/02/2013	COMPLETED	10/16/2013	01/14/2015	03/07/2014	03/07/2014	12/30/2013	08/27/2013
Harder, Scott		11/20/2013	10/02/2013	COMPLETED	11/20/2013	11/06/2014	11/05/2013	11/05/2013	02/26/2015	08/29/2013
Haynes, Gary		07/19/2013	09/25/2013	COMPLETED	07/19/2013	02/20/2015	11/06/2013	11/06/2013	10/02/2014	11/26/2013

Organization – Schedule Email Report

Organizations Editor

(Click on New to create a new org. If working with an existing Org, click on the Edit button to toggle the Org Edit form on and off.)

PFP Waste Operations Org Reqs Delete New

Haz Waste Operations x +

[Hazards](#) [Other Training](#) [Watchstander Preview](#) [Eligibility Preview](#) [Schedule E-Mails](#)

Schedule E-Mail Deliveries

Before scheduling e-mails, be sure that you have hazards, training requirements, and/or medical requirements assigned to your organization.

Note: e-mails sent in this way will be sent to all Points of Contact specified in the "Set P.O.C.s" form

Select Report Type:

[Watchstander](#) [Eligibility](#)

Watchstander Report:

Your organization does not have any Points of Contact defined.
To edit the Points of Contact for this organization, go to Edit > POCs

Start and End Dates:

Starts: May 8 2013

Ends: May 8 2014

Repeats:

- Every Weekday (Mon-Fri)
- Every Week
- Every 2 Weeks
- Every Month
- Every Year

[Schedule E-Mails](#)

Allows scheduling email delivery of report

Summary

- The Hanford Site Worker Eligibility Tool (HSWET) provides line management an easy to use tool to determine if workers are medically cleared and trained to perform work safely