



... Putting Technology To Work

Project No. _____

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To PL Weeks

From RL Barnum 

Subject Radiological Worker In-field Evaluations for August 2000 and Fiscal Year 2000 Summary

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 Article 613 File
 SAA File:T&Q-6.2.9RW
 RLB:File/LB

This month's report includes 103 evaluations that were performed in the 325, 331, ISB1 and 337 Buildings, 69 Radiological Worker (RW) IIs and 34 RW Is were evaluated. The result was a 94% correct response rate. The overall response rate for fiscal year 2000 is 95%.

The following is a breakdown of the evaluation results for August 2000 in the five categories of knowledge tested:

August 2000	Category	FY 2000
84%	Exposure Awareness	86%
95%	Radiological Conditions Awareness	97%
98%	Good Work Practices	98%
95%	Contamination Control	96%
95%	Emergency Response	97%

More specifically, the August 2000 evaluation showed:

- ✓ Thirty-one people could not state Pacific Northwest's administrative control level for whole-body exposure. Fourteen of these were Teamsters at their monthly safety meeting; however, these folks seldom use their RW training.
- ✓ At least 11 people could only interpret the information on a survey map with significant prompting.
- ✓ Two people were wearing their dosimetry improperly and eight Teamsters stated that you wear the pencil dosimeter inside the protective clothing.
- ✓ Nine people stated that you hold the count-rate instrument probe 1/2 inch from your body while performing a self-survey vice 1/4 inch. Once again, these were all Teamsters who seldom use their training in the field.
- ✓ Five Teamsters, when given the choice to exit to the radiological boundary or all the way to the staging area during a criticality alarm, opted to stay at the boundary.
- ✓ Two people received an overall unsatisfactory.
- ✓ It is worth noting that of the 72 interviews performed in the 337 Building, only 20 of them were building residents, while the others were interviewed as they visited the 337 building for other reasons.

There have been a few comments regarding errors in the on-line RW training course materials. These are being tracked for correction as time allows. There have been no significant comments on the classroom course feedback forms.

Detailed results are on the attached summary sheet.

The following corrective actions are planned:

1. We will continue to stress the importance of administrative control levels via the "Rad Worker News" and during class.
2. We will continue to reinforce the training on Radioactive Work Permits and survey maps. We will also improve the training coverage on Radioactive Work Permits in the computer-based training course.
3. There is another assessment in progress to determine those staff members who could drop their RW qualification and be escorted into areas on those rare occasions that it becomes necessary; thus, helping minimize the number of people certified with a very poor working knowledge of radiological controls due to their lack of proficiency.

:RLB

Attachments

Radiological Worker In-Field Evaluation Checklist

Location: 331 Org Code: D7E82 Date: 8.24.00

RWI or RWII: (RWII) Exp. Date: 6/02 Title: AWU

Category	Rad Worker...	SAT	UNSAT	N/A	COMMENT(S)
Exposure Awareness	Knew his/her whole body administrative control level.		✓		
	Knew his/her YTD dose.	✓			
Radiological Conditions Awareness	Knew radiological posting of work area.	✓			
	Knew the radiological conditions in work area.	✓			
	Properly read a survey map.	✓			
Good Work Practices	Understands an RWP. (limits, training/dosimetry req's)	✓			
	Worked in compliance with RWP requirements.			✓	
	Worked in accordance with good ALARA practices.			✓	
	Properly wore protective clothing.			✓	
	Properly doffed protective clothing.			✓	
	Properly wore dosimetry.	✓		✗	
	Properly read a supplemental dosimeter.	✓			
Contamination Control	Properly performed whole body self survey.			✓	
	Knew correct response for personnel contamination.	✓			
Emergency Response	Knew correct response to <u>CAM</u> (emergency or abnormal)	✓			
Overall performance evaluation		✓			

Evaluator: [Signature] Date: 8.24.00

Radiological Worker In-Field Evaluation Checklist

Location: 337 Org Code: D6714 Date: 8/24/00

RWI or RWII: (RWI) Exp. Date: 3/02 Title: SR ENGINEER

Category	Rad Worker...	SAT	UNSAT	N/A	COMMENT(S)
Exposure Awareness	Knew his/her whole body administrative control level.		✓		KWB DOSE LIMIT
	Knew his/her YTD dose.	✓			
Radiological Conditions Awareness	Knew radiological posting of work area.			✓	
	Knew the radiological conditions in work area.			✓	
	Properly read a survey map.	✓			SOME PROMPTING
Good Work Practices	Understands an RWP. (limits, training/dosimetry req's)	✓			
	Worked in compliance with RWP requirements.			✓	
	Worked in accordance with good ALARA practices.			✓	
	Properly wore protective clothing.			✓	
	Properly doffed protective clothing.			✓	
	Properly wore dosimetry.	✓			
	Properly read a supplemental dosimeter.	✓			
Contamination Control	Properly performed whole body self survey.	✓			
	Knew correct response for personnel contamination.	✓			
Emergency Response	Knew correct response to <u>Criticality</u> (emergency or abnormal)	✓			
Overall performance evaluation		✓			

Evaluator: [Signature] Date: 8/24/00