RO SRO Job Performance Measure "D"

Facility: Vogtle

Task No: N/A

Task Title: Determine Minimum Protective Clothing Requirements and Total Projected Dose, and Determine if task can be completed without exceeding any Radiological Limits

JPM No: V-NRC-JP-00930-HL-17		
K/A Reference: G2.3.7 (3.5 / 3.6)		
Examinee:	NRC Examiner:	
Facility Evaluator:	Date:	
Method of testing:		
Simulated Performance	Actual Performance _	
Classroom S	imulator	Plant

Read to the examinee:

I will explain the initial conditions, which steps to simulate or discuss, and will provide initiating cues. When you complete the task successfully, the objective for this job performance measure will be satisfied.

Initial Conditions: Unit 1 is at 100% power.

You have been assigned to close and danger tag 1-1204-U4-111 in Unit 1 containment.

You have been briefed by HP on the limitations of RWP 12-0101.

HP has permitted the minimum protective clothing requirements stated in the RWP.

Your accumulated dose for this year to date is 960 mrem.

The TOTAL round-trip TRANSIT dose will be 6 mrem.

The TOTAL time at the job site will be 5 minutes.

Assume neutron dose exposure is negligible.

Initiating Cue: Using RWP 12-0101 and the survey map of the Unit 1 containment work area, determine and document in the table below:

- a. Your protective clothing requirements.
- b. Your projected total gamma dose.
- c. If you can or cannot perform the task without exceeding any limits. If not, then state the reason.

Protective clothing requirements			
Projected total gamma dose			
Can you complete this task	(CIRCLE ONE)		
without exceeding any limits?	YES	NO	
REASON, if applicable			

Task Standard:	 Upon successful completion of this JPM, the examinee will correctly: Identify the protective clothing requirements. Calculate the projected total gamma dose. Determine if the task can be performed without exceeding any limits, and if not, then state the reason. 		
Required Materials:	Calculator Containment survey map RWP 12-0101 NMP-HP-001, "Radiation Protection Standard Practices"		
General References:	None		
Time Critical Task:	No		
Validation Time:	15 minutes		

Performance Information

Critical steps denoted with an asterisk

* Determine protective clothing requirements.

Refer to RWP 12-0101 "Protective Clothing Requirements", which states the minimum requirements for a "C" zone are booties, gloves, and a lab coat.

Cue: If asked if the dress requirements were changed per HP direction, state "See initial conditions."

Standard: Correct protective clothing requirements determined.

Comment:

* Calculate projected total gamma dose.

Using survey map, a dose rate of 84 mrem/hour at the valve is determined.

The tagging task will take 5 minutes.

84 mrem/hour (1 hour / 60 minutes) (5 minutes) = 7 mrem [no range on calculated value]

Transit dose of 6 mrem is added to calculated dose.

7 mrem + 6 mrem = 13 mrem [no range on calculated value]

Standard: Projected total dose calculated to be 13 mrem.

Comment:

Determine if the task can be performed without exceeding any limits

From NMP-HP-001, the admin annual dose limit is 1000 mrem.

Total calculated annual dose would be 960 mrem + 13 mrem = 973 mrem (annual limit is not exceeded)

RWP 12-0101 task dose rate limit is 80 mrem/hour. Dose rate at valve is 84 mrem/hour on the survey map (task dose rate limit <u>is exceeded</u>).

RWP 12-0101 task dose limit is 15 mrem. Calculated dose received is 13 mrem (task dose limit is not exceeded)

NOTE TO EXAMINER: Examinee may indicate that 13 mrem exceeds the task dose limit since HP briefings require workers to notify HP when they reach 80% of their task dose limit (12 mrem for this task). This response is acceptable.

Standard: Determination is made that the task can NOT be performed without exceeding a limit.

Comment:

* State the reason that the task was NOT permitted.

Examinee identifies that the RWP task dose rate limit is exceeded (dose rate at valve is 84 mrem/hour with an RWP task dose rate limit of 80 mrem/hour)

NOTE TO EXAMINER: Examinee may indicate that 13 mrem exceeds the task dose limit since HP briefings require workers to notify HP when they reach 80% of their task dose limit (12 mrem for this task). This response is acceptable.

Standard: Correct reason is provided for why the task can NOT be performed.

Comment:

Terminating cue: Student returns initiating cue sheet.

\bigcirc	KEY				
	Protective clothing requirements	Booties Gloves Lab Coat			
	Projected total gamma dose	13 mrem			
	Can you complete this task without exceeding any limits?	(CIRCLE ONE) YES NO			
	REASON, if applicable	RWP task dose rate limit of 80 mrem/hour is exceeded NOTE: Examinee may indicate that 13 mrem exceeds the task dose limit since HP briefings require workers to notify HP when they reach 80% of their task dose limit (12 mrem for this task). This response is acceptable.			

Verification of Completion

Job Performance Measure No. V-NRC-JP-00930-HL17
Examinee's Name:
Examiner's Name:
Date Performed:
Number of Attempts:
Time to Complete:
Question Documentation:
Question:
Response:

Result: Satisfactory/Unsatisfactory

Examiner's signature and date:

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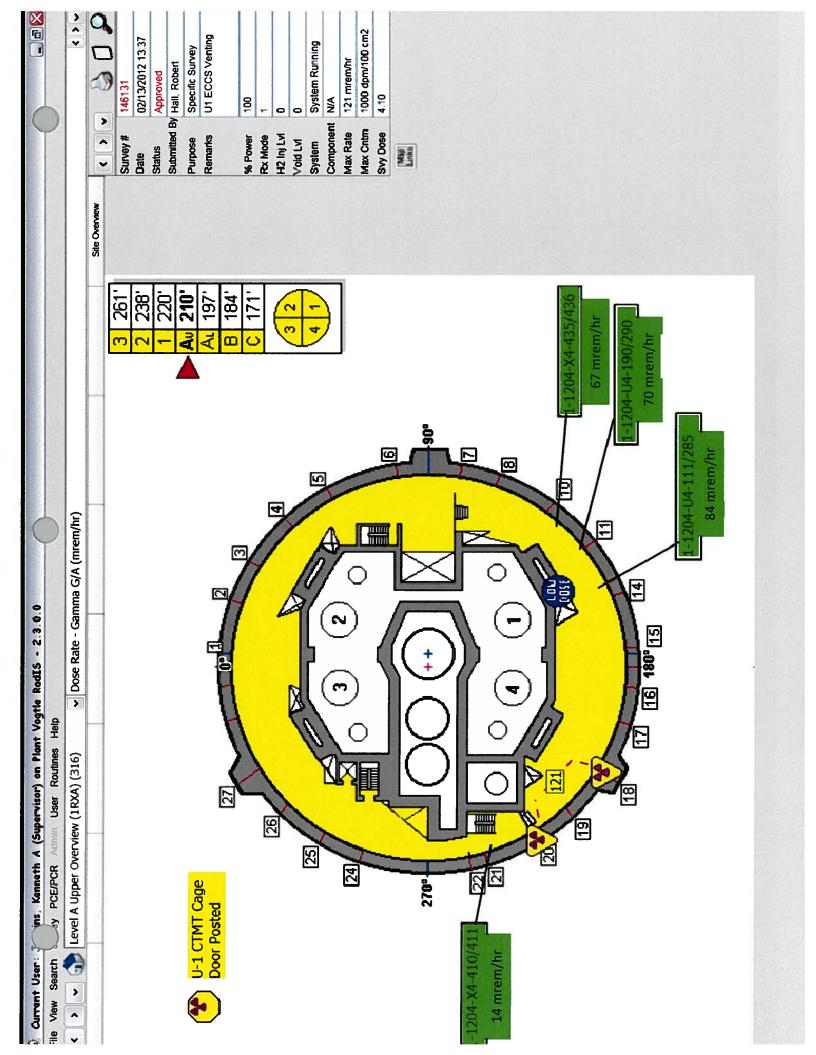
The TOTAL time at the job site will be 5 minutes.

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Protective clothing requirements			
Projected total gamma dose			
Can you complete this task without exceeding any limits?	(CIRCLE ONE) YES NO		
REASON, if applicable			



Dediction	Plant V		Unit		
Radiation Work Permit	12-0		1		
Description		ILLANCES IN UNIT ONE CONTAINMENT.			
Location GENERAL ENTR	Y INTO UNIT 1 CONTAINMEN				
HP CoverageAuthorCONTINUOUSSINGL		Start Date1/1/2012End DateJob Supv. I KOCHERYExt	e 12/31/2012 11:59:00 PM . 3229		
Radiological	Conditions	Tasks			
AIRBORNE LEVELS: > 0.3 DAG		Description	DAD Alarms		
IODINE, >1.0 DAC NOBLE GAS			Dose (mr) Rate (mr/h)		
CONTAMINATION : > 500,000 >20 DPM/100CM2 ALPHA	DPM/100CM2 BETA/GAMMA,	SURVEILLANCES/TRANSMITTER CALS	15 80		
RAD LEVELS: > 1000 MREM/H	R	WALKDOWNS/INSPECTIONS	15 80		
Dosin	netry	LLRTS	15 80		
OSLD & ED, RELOCATE ONLY		HP JOB COVERAGE	15 80		
Protective Clothin	ng Requirements	CORRECTIVE MAINTENANCE	15 80		
'MINIMUM REQUIREMENTS I		PREVENTATIVE MAINTENANCE	15 80		
BOOTIES/GLOVES/LAB COAT		OPERATIONS SUPPORT/TAGGING ACTIVITIES	15 80		
DRESS REQ. MAY BE CHANGE	ED AS HP DIRECTS				
Respir	ators				
NP					
PAPR SCBA					
Usage is Conditional per HP					
	Instru	uctions			
* FOLLOW ALL HP INSTRUCT	IONS. * STAY IN DESIGNATED	DLOW DOSE AREAS WHENEVER POSSIBLE.			
* NO ENTRY BEHIND BIOSHIE TECH WHEN RX IS IN MODES		L PERSONNEL ARE TO REMAIN IN LINE OF	SIGHT OF HP		
* ALARA IS TO BE NOTIFIED I ENCOUNTERED: 1) AREAS > C		NG UNEXPECTED RAD CONDITIONS ARE R)			
2) AREAS > OR = 100 MREM/HI SURVEY INSTRUMENT IS USE		TE SURVEYS CAN NOT BE USED AND A NEU	TRON		
		INDICATES THAT YOU UNDERSTAND THAT PERMIT ISSUED PER PROCEDURE 00309-C) To			
* (B) BE ATTENDED AT ALL T	IMES AND CAPABLE OF BEIN	G REMOVED IN ONE TRIP.			
	UNTERED THAT COULD BE TI	GNIFIES THAT THERE IS NO LOOSE DEBRIS RANSPORTED TO THE CONTAINMENT SUMI	-		
* IF THE ROBOT IS TO BE USED FOR INSPECTION INSIDE THE BIOSHIELD, THE POTENTIAL EXISTS THAT THE ROBOT MAY BE TIPPED OVER DUE TO THE FORCE OF BLOWN AIR FROM THE CONTAINMENT CIRCULATOR FANS.					
* AS A PRECAUTION, HP SHOULD REQUEST FOR OPERATIONS TO TURN OFF THE CONTAINMENT CIRCULATOR NS IN THE AFFECTED INSPECTION AREA WHENEVER THE ROBOT IS TO BE USED INSIDE THE BIOSHIELD.					
* THE FANS SHOULD REMAIN					
		VS: 11503B7008 - WEST BIOSHIELD ENTRAN WEEN LOOPS 1 & 4, AND 11503B7002 - BETV			

* RESPIRATORY EQUIPMENT MAY BE USED DEPENDING ON RADIOLOGICAL CONDITIONS OR WORK EVOLUTIONS.

* HP HAS STOP WORK AUTHORITY AS A CONTINGENCY WHEN RADIOLOGICAL CONDITIONS OR WORK PRACTICES DEVIATE SIGNIFICANTLY FROM PRE-JOB PLANNING AND/OR RWP.

* UNLESS DIRECTED BY HP SUPERVISION, WORKERS WILL WEAR AN EPD EXTERNAL ALARMING MODULE DURING

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WORK AREA.								
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Prepared	11/3/2011 10:11 by IJGUY	Approved	12/15/2011 02:39 by GBRENENB	Suspended	Terminated	
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