West Valley Site Management Program RECORD OF REVISION AND DISTRIBUTION

TITLE: Radiation Safety Evaluations for the Retained Premises

RP-RPP007.00

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•	Edward Traverso, RSO, RP-RSC, Controlled Binder 1	
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	Alita Dueringer, RP-RSC Controlled Binder 9	

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SUBJECT: Radiation Safety Evaluations for the Retained Premises

RP-RPP007.00

1.0 PURPOSE

This document establishes the West Valley Site Management Program's (WVSMP) requirements for conducting radiation safety evaluations for work involving the potential exposure to radioactive materials or contamination discovered on the Retained Premises in those areas under the purview of Part 50 license, but outside the authority of the West Valley Demonstration Project (WVDP) Act. The WVSMP will perform and document radiation safety evaluations through the preparation of task-specific documentation prior to any work being performed on the aforementioned sections of the Retained Premises.

2.0 SAFETY DOCUMENTATION

Radiation Work Permits (RWPs) will be prepared for each task, activity or project that may involve radiological hazards or work with radioactive materials.

The Radiation Safety Officer (RSO), in conjunction with the WVSMP safety staff and the cognizant Project Manager, will assess the task-specific hazards, including radiation hazards, associated with an activity by:

- Defining the scope of work
- Identifying the potential hazards
- Determining applicable hazard controls
- Documenting the evaluation and establishing the appropriate controls
- Requiring workers to review and comply with the requirements of the RWP.

The RSO and safety staff will ensure that the safety documentation evaluates and incorporates the following, as appropriate:

- Task scope of work
- Training
- Hazard identification, evaluation and control
- Exposure monitoring
- Site control, including safe work practices
- Levels of protection and personal protective equipment
- Decontamination procedures
- Emergency response, including spill containment
- Appropriate health physics practices
- "As low as reasonably achievable" (ALARA) considerations
- Administrative control limits
- Compliance with 10 CFR Part 20

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3.0 PART 20 RADIATION SAFETY COMMITTEE (RSC) REVIEW

Safety documentation will be reviewed by the entire Part 20 RSC at least quarterly for compliance with 10 CFR Part 20: Standards for Protection Against Radiation, and the WVSMP's policies and procedures. If personnel monitoring or dosimetry are required for a specific activity, the task-specific safety documentation will be reviewed by the Part 20 RSC prior to the work activity. Work activities that do not require personnel monitoring or dosimetry may be initiated prior to Part 20 RSC review as long as the safety documentation has been reviewed and preapproved by the RSO and pertinent safety staff.

4.0 RECORDKEEPING

All completed safety documentation as well as pertinent RSC reviews and approvals will be maintained in the WVSMP central files until license termination by the U.S. Nuclear Regulatory Commission.

5.0 ATTACHMENTS

Attachment A: NYSERDA Radiation Work Permit (two pages)

NYSERDA RADIATION WORK PERMIT (RWP)

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		NYSERDA	RADIATIO	ON WORK F	PERMIT		Page 1 of 2	
Work Document No.:						piration Date:		
Work Document Title:								
Contractor:					Locatio	n:		
NYSERDA Project Manager	:							
Start Date:	R\A	P Type:	RCT Co	RCT Coverage: Sign-ir		Frequency:	Rad Worker Training:	
	() General () G			ntinuous	() Each Entry		() Rad I	
Expiration Date:				ermittent () Dai		y /) Pad II		
				ETY ANALY	() Start of wor			
Priof Padiation Safaty Ana	ducie	KADIA	ATION SAI	EIY ANALY	313:			
Brief Radiation Safety Ana	ilysis:							
		•						
Contaminant of Concern:								
contaminant or concern.								
Expected Conditions:								
Made Ause Dedication	Lavada	Ma	x. Work A	. Work Area Surface		Wor	Work Area Airborne	
Work Area Radiation Levels		Contamination Levels			Radioactivity Levels			
General Area	mR/hr	Alpha		dpm/100cm ²			DAC	
Max Contact	mR/hr	Beta/Gam	ıma	dpm/10	00cm ²		DAC	
Reference Surveys:						annidan sasar dinamangan didama		
		STATE OF THE STATE						
				ONDITIONS				
RWP will b	e suspende					ing levels are	exceeded	
CONT	NAINIATION	Notify the	e NYSERD/	A RSO imme	ediately	DADIATIO		
General Areas	AMINATION	Dama ² Almba		las alicidados al	Dasa	RADIATIO		
General Areas		Ocm² Alpha Ocm² Beta/		Individual			mrem/day	
	apm/100	ocm Beta/	Gamma	Whole Bo	dy Dose		mR/hr	
Localized Areas dpm/100cm ² Alpha				Limiting Time				
Localized Aleas		Ocm ² Beta/		Lillium II	iiie			
Comments:	apini, 100	Jein Betay	Janina				ii Maanaanaan iiri ah (
Comments.								
			DOSIN	/IETRY				
() None		()TLD				() Bioassay		
() PPE Practical briefing re	equired	1-1-1					-1	
PROTECTIVE CLOTHING	Commo	ents	tion that the		RADIOLO	OGICAL MONI	TORING	
() Hat			() 2.5 Minute Frisk			· · · · · · · · · · · · · · · · · · ·	ea Radiation Monitoring	
() Hood			() Real Time Air Monitori				eneral Area Air Sampling	
() Anti-C Coveralls				ntamination			her:	
1 1	Latex or Nitr	ile	Comm		,	11,70		
() Shoe Covers	99			· · · · · · · · · · · · · · · · · · ·				
() Booties								
() Rubber Boots								

	NYSERDA RADIATION WORK PERMIT	Page 2 of 2		
Work Document No.:	RWP #:	Expiration Date:		
Work Document Title:				
Contractor:				
	NYSERDA Release Criteria			
Radionuclide	Removable Contamination	Total (fixed + removable)		
	(Average)	(Maximum)		
Transuranics (alpha emitters)	200 dpm/100cm ²	3000 dpm/cm ²		
Beta-gamma emitters	1000 dpm/100cm ²	15000 dpm/cm ²		
24	EVALUATION POINTS			
#	te release limits - RCT stop work and re-evaluat			
Skin, shoes or clothing: any contam	ination above ambient background - notify NYS	ERDA RSO immediately		
	SPECIAL INSTRUCTIONS			
Radiation Safety Officer:	RSC AUTHORIZING SIGNATURES			
Safety and Health Supervisor:				
Program Manager:				
WVSMP Director:				
WVSIVIP DIFECTOR:	ACCEPTANCE SIGNATURES			
Workers assigned to this job verify	by their signature, that they have received a ra	diation safety briefing are aware of		
	rk, and will comply with the requirements of th			
the hazards associated with the wo	in, and will comply with the requirements of the	is NW for the und surecy controls.		
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