

**West Valley Site Management Program
 RECORD OF REVISION AND DISTRIBUTION**

TITLE: Radiation Safety Evaluations for the Retained Premises

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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

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 RADIATION WORK PERMIT

Work Document No.: _____ RWP #: _____ Expiration Date: _____
 Work Document Title: _____
 Contractor: _____ Location: _____

NYSERDA Project Manager: _____

Start Date:	RWP Type: <input type="checkbox"/> General <input type="checkbox"/> Specific	RCT Coverage: <input type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Sign-in Frequency: <input type="checkbox"/> Each Entry <input type="checkbox"/> Daily <input type="checkbox"/> Start of work	Rad Worker Training: <input type="checkbox"/> Rad I <input type="checkbox"/> Rad II
Expiration Date:				

RADIATION SAFETY ANALYSIS:

Brief Radiation Safety Analysis:

Contaminant of Concern:

Expected Conditions:

Work Area Radiation Levels	Max. Work Area Surface Contamination Levels	Work Area Airborne Radioactivity Levels
General Area mR/hr	Alpha dpm/100cm ²	DAC
Max Contact mR/hr	Beta/Gamma dpm/100cm ²	

Reference Surveys: _____

LIMITING CONDITIONS

RWP will be suspended pending RSC review if any of the following levels are exceeded
 Notify the NYSERDA RSO immediately

CONTAMINATION		RADIATION	
General Areas	dpm/100cm ² Alpha	Individual Dose	mrem/day
	dpm/100cm ² Beta/Gamma	Whole Body Dose	mR/hr
Localized Areas	dpm/100cm ² Alpha	Limiting Time	
	dpm/100cm ² Beta/Gamma		

Comments: _____

DOSIMETRY

None TLD Bioassay

PPE Practical briefing required

PROTECTIVE CLOTHING	Comments	RADIOLOGICAL MONITORING	
<input type="checkbox"/> Hat		<input type="checkbox"/> 2.5 Minute Frisk	<input type="checkbox"/> Area Radiation Monitoring
<input type="checkbox"/> Hood		<input type="checkbox"/> Real Time Air Monitoring	<input type="checkbox"/> General Area Air Sampling
<input type="checkbox"/> Anti-C Coveralls		<input type="checkbox"/> Contamination Surveys	<input type="checkbox"/> Other:
<input type="checkbox"/> Disposable Gloves	Latex or Nitrile	Comments:	
<input type="checkbox"/> Shoe Covers			
<input type="checkbox"/> Booties			
<input type="checkbox"/> Rubber Boots			

