

**HLW Vitrification Facility  
Room and Equipment List for EL. 0'**

Room	Room Description	Equipment Number	Equipment Description
<b>MISCELLANEOUS UNITS</b>			
H-A123	Secondary Offgas Oxidizer Room	HOP-SCO-00001	Thermal Catalytic Oxidizer (Skid HOP-SCO-00002)
		HOP-SCR-00001	NOx Selective Catalytic Reducer (Catalyst Skid HOP-SCO-00002)
		HOP-HTR-00001	Catalyst Skid Electric Heater (Catalyst Skid HOP-SCO-00002)
		HOP-HX-00001	Catalyst Skid Preheater (Catalyst Skid HOP-SCO-00002)
		HOP-SCO-00004	Thermal Catalytic Oxidizer (Catalyst Skid HOP-SCO-00003)
		HOP-SCR-00002	NOx Selective Catalytic Reducer (Skid HOP-SCO-00003)
		HOP-HTR-00007	Catalyst Skid Electric Heater (Catalyst Skid HOP-SCO-00003)
		HOP-HX-00003	Catalyst Skid Electric Preheater (Catalyst Skid HOP-SCO-00003)
		HOP-HX-00002	Silver Mordenite Preheater
		HOP-HX-00004	Silver Mordenite Preheater
		HOP-ADBR-00001A	Activated Carbon Adsorber
		HOP-ADBR-00001B	Activated Carbon Adsorber
		HOP-ADBR-00002A	Activated Carbon Adsorber
		HOP-ADBR-00002B	Activated Carbon Adsorber
<b>CONTAINMENT BUILDINGS</b>			
H-0136	Canister Handling Cave	HPH-SUMP-00001	Sump
		RLD-EJCTR-00029	Sump Ejector
		HPH-SUMP-00005	Sump
		RLD-EJCTR-00051	Sump Ejector
H-0133	Canister Swab and Monitoring Cave	N/A	Contains No Permitted Equipment
H-0126A/B H-B028	Drum Swabbing and Monitoring Area	N/A	Contains No Permitted Equipment

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H-0104	Filter Cave	HOP-HEPA-00001A	HEPA Filter		
		HOP-HEPA-00001B	HEPA Filter		
		HOP-HEPA-00002A	HEPA Filter		
		HOP-HEPA-00002B	HEPA Filter		
		HOP-HEPA-00007A	HEPA Filter		
		HOP-HEPA-00007B	HEPA Filter		
		HOP-HEPA-00008A	HEPA Filter		
		HOP-HEPA-00008B	HEPA Filter		
		PJV-HEPA-00004A	HEPA Filter		
		PJV-HEPA-00004B	HEPA Filter		
		PJV-HEPA-00005A	HEPA Filter		
		PJV-HEPA-00005B	HEPA Filter		
		HOP-HTR-00001B	HEPA Electric Preheater		
		HOP-HTR-00002A	HEPA Electric Preheater		
		HOP-HTR-00005A	HEPA Electric Preheater		
		HOP-HTR-00005B	HEPA Electric Preheater		
		PJV-HTR-00002	PJV Electric Preheater		
		<b>CONTAINMENT BUILDINGS (WITH MISCELLANEOUS UNITS AND TANKS)</b>			
		H-0117	Melter Cave No. 1 (includes C3/C5 Airlock and Equipment Decontamination Pit)	HMP-MLTR-00001	Melter 1
HOP-FCLR-00001	Film Cooler				
HOP-FCLR-00003	Film Cooler				
HSH-SUMP-00003	Sump				

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H-0310A		RLD-EJECTR-00171	Sump Ejector	
		HOP-SCB-00001	Melter 1 Submerged Bed Scrubber	
		HOP-HEME-00001A	Melter 1 High Efficiency Mist Eliminator	
		HOP-HEME-00001B	Melter 1 High Efficiency Mist Eliminator	
		HFP-VSL-00001	Melter 1 Feed Preparation Vessel	
		HFP-VSL-00002	Melter 1 Feed Vessel	
		HFP-SUMP-00002	Sump	
		RLD-EJECTR-00172	Sump Ejector	
	Equipment Decontamination Pit	HSH-TK-00001	Melter 1 Decontamination Tank	
		HSH-PMP-00001	Pump	
		HSH-SUMP-00008	Sump	
		RLD-EJCTR-00026	Sump Ejector	
	H-0116B	Melter Cave No. 1- C3/C5 Airlock	N/A	Contains No Permitted Equipment
	H-0106	Melter Cave No. 2 (includes C3/C5 Airlock and Equipment Decontamination Pit)	HMP-MLTR-00002	Melter 2
HOP-FCLR-00002			Film Cooler	
HOP-FCLR-00004			Film Cooler	
HSH-SUMP-00007			Sump	
RLD-EJECTR-00179			Sump Ejector	
HOP-SCB-00002			Melter 2 Submerged Bed Scrubber	
HOP-HEME-00002A			Melter 2 High Efficiency Mist Eliminator	
HOP-HEME-00002B			Melter 2 High Efficiency Mist Eliminator	
HFP-VSL-00005			Melter 2 Feed Preparation Vessel	
HFP-VSL-00006			Melter 2 Feed Vessel	

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H-0304A		HFP-SUMP-00005	Sump
		RLD-EJECTR-00178	Sump Ejector
	Equipment Decontamination Pit	HSH-TK-00002	Melter 2 Decontamination Tank
		HSH-PMP-00002	Pump
		HSH-SUMP-00009	Sump
		RLD-EJCTR-00173	Sump Ejector
	H-0105B	Melter Cave No. 2 - C3/C5 Airlock	N/A
<b>CONTAINER STORAGE AREAS</b>			
H-0132	Canister Storage Cave	N/A	Contains No Permitted Equipment
H-0130	Loading Area	N/A	Contains No Permitted Equipment
HC0108/ 0109/0110	East Corridor El. 0'	N/A	Contains No Permitted Equipment