

**DRAWINGS AND DOCUMENTS  
OPERATING UNIT GROUP 10 – APPENDIX 9.2  
LOW ACTIVITY WASTE BUILDING  
PIPING AND INSTRUMENTATION DIAGRAMS (P&ID)**

The documents listed in the following table are incorporated by reference into this permit and are subject to the requirements set forth in Part I Standard Conditions, Part II General Facility Conditions, and Part III Operating Unit Group 10 Conditions. Upon request, copies of the documents can be viewed at the Nuclear Waste Program Resource Center located at 3100 Port of Benton Blvd., Richland, WA. Appointments for viewing can be scheduled by calling (509) 372-7950.

<b>Drawing/Document Number</b>	<b>Description</b>
<a href="#"><u>24590-LAW-M6-ASX-00001002, Rev. 1</u></a>	<a href="#"><u>P&amp;ID – Autosampling System Autosampler and Utility Panels ASX-SMPLR-00012</u></a>
<a href="#"><u>24590-LAW-M6-ASX-00002002, Rev. 1</u></a>	<a href="#"><u>P&amp;ID – Autosampling System Autosampler and Utility Panels ASX-SMPLR-00013</u></a>
24590-LAW-M6-LCP-00001001, Rev 0	P&ID – LAW Concentrate Receipt Process System LCP-BULGE-00001
24590-LAW-M6N-LCP-00045	Drawing Change Notice – Add DFLAW Utility Isolations to LAW LCP System and Transfer Line
24590-LAW-M6-LCP-00001002, Rev 0	P&ID – LAW Concentrate Receipt Process System Concentrate Receipt Vessel LCP-VSL-00001
24590-LAW-M6-LCP-00001003, Rev 0	P&ID – LAW Concentrate Receipt Process System Concentrate Receipt Vessel LCP-VSL-00001
24590-LAW-M6-LCP-00001004, Rev 0	P&ID – LAW Concentrate Receipt Process System LCP-BULGE-00002 (Sheet 1 of 2)
24590-LAW-M6-LCP-00001005, Rev 1	P&ID – LAW Concentrate Receipt Process System LCP-BULGE-00002
24590-LAW-M6-LCP-00001006, Rev 0	P&ID – LAW Concentrate Receipt Process System Expansion Vessel LCP-VSL-00005
24590-LAW-M6-LCP-00002001, Rev 0	P&ID – LAW Concentrate Receipt Process System LCP-BULGE-00003 (Sheet 1 of 2)
24590-LAW-M6-LCP-00002002, Rev 1	P&ID – LAW Concentrate Receipt Process System LCP-BULGE-00003
24590-LAW-M6-LCP-00002003, Rev 0	P&ID – LAW Concentrate Receipt Process System Concentrate Receipt Vessel LCP-VSL-00002
24590-LAW-M6-LCP-00002004, Rev 0	P&ID – LAW Concentrate Receipt Process System Concentrate Receipt Vessel LCP-VSL-00002

Drawing/Document Number	Description
24590-LAW-M6-LFP-00001001, Rev 0	P&ID – LAW Melter Feed Process System Melter 1 Feed Preparation LFP-VSL-00001
24590-LAW-M6-LFP-00001002, Rev 0	P&ID – LAW Melter Feed Process System Melter 1 Feed Preparation LFP-VSL-00001
24590-LAW-M6-LFP-00001003, Rev 0	P&ID – LAW Melter Feed Process System Melter 1 Feed Vessel LFP-VSL-00002
24590-LAW-M6-LFP-00001004, Rev 1	P&ID – LAW Melter Feed Process System Melter 1 Feed Vessel LFP-VSL-00002
24590-LAW-M6-LFP-00001005, Rev 0	P&ID – LAW Melter Feed Process System Melter 1 Feed Preparation and Feed LFP-BULGE-00001
24590-LAW-M6-LFP-00001006, Rev 1	P&ID – LAW Melter Feed Process System Melter 1 Feed Preparation and Feed LFP-BULGE-00001
24590-LAW-M6-LFP-00003001, Rev 0	P&ID – LAW Melter Feed Process System Melter 2 Feed Preparation LFP-VSL-00003
24590-LAW-M6-LFP-00003002, Rev 0	P&ID – LAW Melter Feed Process System Melter 2 Feed Preparation LFP-VSL-00003
24590-LAW-M6-LFP-00003003, Rev 0	P&ID – LAW Melter Feed Process System Melter 2 Feed Vessel LFP-VSL-00004
24590-LAW-M6-LFP-00003004, Rev 1	P&ID – LAW Melter Feed Process System Melter 2 Feed Vessel LFP-VSL-00004
24590-LAW-M6-LFP-00003005, Rev 0	P&ID – LAW Melter Feed Process System Melter 2 Feed Preparation and Feed LFP-BULGE-00002
24590-LAW-M6-LFP-00003006, Rev 1	P&ID – LAW Melter Feed Process System Melter 2 Feed Preparation and Feed LFP-BULGE-00002
24590-LAW-M6-LMP-00001001, Rev 0	P&ID – LAW Melter Process System Melter 1 Agitation Zone 1 & Zone 2 and LMP-RK-00040A/B <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00002001, Rev 1	P&ID – LAW Melter Process System Melter 1 Agitation Zone 3 & Level Detection LMP-RK-00040B and PPJ-RK-00001 <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00002002, Rev 0	P&ID – LAW Melter Process System Melter 1 Agitation Zone 3 & Level Detection and LMP-RK-00040C <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00003001, Rev 0	P&ID – LAW Melter Process System Melter 1 Walls and Floor Panels Cooling System

Drawing/Document Number	Description
24590-LAW-M6-LMP-00005001, Rev 0	P&ID – LAW Melter Process System Melter 1 Electrode Extension Cooling & Glass/Plenum Temperatures <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00007001, Rev 0	P&ID – LAW Melter Process System Melter 1 Glass Pouring and Monitoring Instrumentation
24590-LAW-M6-LMP-00007002, Rev 0	P&ID – LAW Melter Process System Melter 1 Glass Pouring and Monitoring Instrumentation
24590-LAW-M6-LMP-00008001, Rev 0	P&ID – LAW Melter Process System Melter 1 Discharge Heaters, Power Controls (1-4) & Air Lift – Eastside
24590-LAW-M6-LMP-00010001, Rev 0	P&ID – LAW Melter Process System Melter 1 Discharge Heaters, Power Controls (1-4) & Air Lift – Westside
24590-LAW-M6-LMP-00012001, Rev 0	P&ID – LAW Melter Process System Melter 1 Feed Nozzles Cooling System and Feed Nozzles
24590-LAW-M6-LMP-00013001, Rev 0	P&ID – LAW Melter Process System Melter 1 Lid, Plenum and Offgas Ports Cooling System
24590-LAW-M6-LMP-00013002, Rev 0	P&ID – LAW Melter Process System Melter 1 Melter Lid Cooling Loop
24590-LAW-M6-LMP-00031001, Rev 0	P&ID – LAW Melter Process System Melter 2 Agitation Zone 1 & Zone 2 <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00032001, Rev 1	P&ID – LAW Melter Process System Melter 2 Agitation Zone 3 & Level Detection LMP-RK- 000041B and PPJ-RK-00002 <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00032002, Rev 0	P&ID – LAW Melter Process System Melter 2 Agitation Zone 3 & Level Detection LMP-RK- 00041C <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00033001, Rev 0	P&ID – LAW Melter Process System Melter 2 Walls and Floor Panels Cooling System
24590-LAW-M6-LMP-00035001, Rev 0	P&ID – LAW Melter Process System Melter 2 Electrode Extension Cooling & Glass/Plenum Temperatures <b>Confidential Business Information</b>
24590-LAW-M6-LMP-00037001, Rev 0	P&ID – LAW Melter Process System Melter 2 Glass Pouring and Monitoring Instrumentation
24590-LAW-M6-LMP-00037002, Rev 0	P&ID – LAW Melter Process System Melter 2 Glass Pouring and Monitoring Instrumentation
24590-LAW-M6-LMP-00038001, Rev 0	P&ID – LAW Melter Process System Melter 2 Discharge Heaters, Power Controls (1-4) & Air Lift – Eastside

<b>Drawing/Document Number</b>	<b>Description</b>
24590-LAW-M6-LMP-00040001, Rev 0	P&ID – LAW Melter Process System Melter 2 Discharge Heaters, Power Controls (1-4) & Air Lift – Westside
24590-LAW-M6-LMP-00042001, Rev 0	P&ID – LAW Melter Process System Melter 2 Feed Nozzles Cooling System and Feed Nozzles
24590-LAW-M6-LMP-00043001, Rev 0	P&ID – LAW Melter Process System Melter 2 Lid, Plenum and Offgas Ports Cooling System
24590-LAW-M6-LMP-00043002, Rev 0	P&ID – LAW Melter Process System Melter 2 Melter Lid Cooling Loop
24590-LAW-M6-LOP-00001001, Rev 1	P&ID – LAW Primary Offgas Process System Melter 1 LOP-SCB-00001
24590-LAW-M6-LOP-00001002, Rev 1	P&ID – LAW Primary Offgas Process System Melter 1 LOP-VSL-00001
24590-LAW-M6-LOP-00001003, Rev 0	P&ID – LAW Primary Offgas Process System Melter 1 LOP-BULGE-00001
24590-LAW-M6-LOP-00001004, Rev 2	P&ID – LAW Primary Offgas Process System Melter 1 LOP-WESP-00001
24590-LAW-M6-LOP-00001005, Rev 1	P&ID – LAW Primary Offgas Process System Melter 1 Film Cooler Offgas
24590-LAW-M6-LOP-00001006, Rev 0	P&ID – LAW Primary Offgas Process System Melter 1 LOP-PMP-00003A/B
24590-LAW-M6-LOP-00002001, Rev 1	P&ID – LAW Primary Offgas Process System Melter 2 LOP-SCB-00002
24590-LAW-M6-LOP-00002002, Rev 1	P&ID – LAW Primary Offgas Process System Melter 2 LOP-VSL-00002
24590-LAW-M6-LOP-00002003, Rev 0	P&ID – LAW Primary Offgas Process System Melter 1 LOP-BULGE-00001
24590-LAW-M6-LOP-00002004, Rev 2	P&ID – LAW Primary Offgas Process System Melter 2 LOP-WESP-00002
24590-LAW-M6-LOP-00002005, Rev 1	P&ID – LAW Primary Offgas Process System Melter 2 Film Cooler Offgas
24590-LAW-M6-LOP-00002006, Rev 0	P&ID – LAW Primary Offgas Process System Melter 2 LOP-PMP-00006A/B
24590-LAW-M6-LOP-00004001, Rev 1	P&ID – LAW Primary Offgas Process System Melter 1 LOP-FCLR-00002
24590-LAW-M6-LOP-00004002, Rev 1	P&ID – LAW Primary Offgas Process System Melter 1 LOP-FCLR-00001
24590-LAW-M6-LOP-00005001, Rev 1	P&ID – LAW Primary Offgas Process System Melter 2 LOP-FCLR-00004
24590-LAW-M6-LOP-00005002, Rev 1	P&ID – LAW Primary Offgas Process System Melter 2 LOP-FCLR-00003
24590-LAW-M6-LVP-00001001, Rev 0	P&ID – LAW Secondary Offgas/Vessel Vent Process System Combined Header

Drawing/Document Number	Description
24590-LAW-M6-LVP-00001002, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System HEPA Preheaters
24590-LAW-M6-LVP-00001003, Rev 1	P&ID – LAW Secondary Offgas/Vessel Vent Process System HEPA Filters
24590-LAW-M6-LVP-00001004, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System Offgas Exhausters LVP-EXHR-00001A
24590-LAW-M6-LVP-00001005, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System Offgas Exhausters LVP-EXHR-00001B
24590-LAW-M6-LVP-00001006, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System Offgas Exhausters LVP-EXHR-00001C
24590-LAW-M6-LVP-00002001, Rev 1	P&ID – LAW Secondary Offgas/Vessel Vent Process System Caustic Scrubber Bypass
24590-LAW-M6-LVP-00002002, Rev 1	P&ID – LAW Secondary Offgas/Vessel Vent Process System Caustic Scrubber LVP-SCB-00001
24590-LAW-M6-LVP-00002003, Rev 0	P&ID – LAW Secondary Offgas/Vessel Vent Process System Caustic Collection Tank LVP-TK-00001
24590-LAW-M6-LVP-00002004, Rev 0	P&ID – LAW Secondary Offgas/Vessel Vent Process System Scrubber Recirculation Loop LVP-PMP-00003A/3B
24590-LAW-M6-LVP-00002005, Rev 0	P&ID – LAW Secondary Offgas/Vessel Vent Process System Transfer Pumps LVP-PMP-00002A/B
24590-LAW-M6N-LVP-00138	Drawing Change Notice – Add Isolations and New Transfer Line to the LAW LVP System for DFLAW Operations
24590-LAW-M6-LVP-00002006, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System Stack Discharge Monitoring System
24590-LAW-M6-LVP-00002007, Rev 0	P&ID – LAW Secondary Offgas/Vessel Vent Process System Stack Discharge Monitoring System
24590-LAW-M6-LVP-00003001, Rev 0	P&ID – LAW Secondary Offgas/Vessel Vent Process System Equipment Vents
24590-LAW-M6-LVP-00004001, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System Mercury Mitigation Equipment Bypass
24590-LAW-M6-LVP-00004002, Rev 3	P&ID – LAW Secondary Offgas/Vessel Vent Process System Mercury Mitigation Equipment LVP-SKID-00001

Drawing/Document Number	Description
24590-LAW-M6-LVP-00004003, Rev 2	P&ID – LAW Secondary Offgas/Vessel Vent Process System Mercury Mitigation Equipment LVP-ADBR-00001A/B
24590-LAW-M6-LVP-00005002, Rev 4	P&ID – LAW Secondary Offgas/Vessel Vent Process System SCO/SCR Skid
24590-LAW-M6-RLD-00001001, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System Plant Wash Vessel RLD-VSL-00003
24590-LAW-M6-RLD-00001002, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System Plant Wash Vessel RLD-VSL-00003
24590-LAW-M6-RLD-00001003, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System SBS Condensate Collection RLD-VSL-00005
24590-LAW-M6-RLD-00001004, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System SBS Condensate Collection RLD-VSL-00005
24590-LAW-M6-RLD-00001005, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System Plant Wash & SBS Condensate Collection RLD-BULGE-00004
24590-LAW-M6-RLD-00001006, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System Plant Wash & SBS Condensate Collection RLD-BULGE-00004
24590-LAW-M6N-RLD-00086	Drawing Change Notice – Add Isolations to the LAW RLD System for DFLAW Operations
24590-LAW-M6-RLD-00002001, Rev 1	P&ID – LAW Radioactive Liquid Waste Disposal System C3/C5 Drains/Sump Collection RLD-VSL-00004
24590-LAW-M6-RLD-00002002, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System C3/C5 Drains/Sump Collection RLD-VSL-00004
24590-LAW-M6-RLD-00002003, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System C3/C5 Drains/Sump Collection RLD-BULGE-00001
24590-LAW-M6-RLD-00002004, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System C3/C5 Drains/Sump Collection RLD-BULGE-00001
24590-LAW-M6-RLD-00002005, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System C3/C5 Sumps RLD-SUMP-00010/11/28
24590-LAW-M6-RLD-00003001, Rev 0	P&ID – LAW Radioactive Liquid Waste Disposal System C3/C5 Floor Drains Collection
24590-LAW-M6-RLD-00003002, Rev 2	P&ID – LAW Radioactive Liquid Waste Disposal System Process Cell Sumps at EL 2 FT

Drawing/Document Number	Description
24590-LAW-M6-RLD-00003003, Rev 2	P&ID – LAW Radioactive Liquid Waste Disposal System Process and Effluent Cell Sumps at EL 2 FT
RESERVED	RESERVED

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- 2 Source documents (which do not include a "P" in the last set of numbers, e.g. "-P0001," or "-TP001")
- 3 should be used in conjunction with any document change notices issued against them.
- 4 We are currently transitioning from permit documents (which include a "P" in the last set of numbers) to
- 5 source documents. At the end of the transition period, permit submittals will contain source documents
- 6 and will be incorporated into the permit as described in Ecology Publication #07-05-006.
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