



- NOTES:**
- SEE DRAWINGS 24590-WTP-M6-50-00001 THROUGH 24590-WTP-M6-50-00008 FOR GENERAL NOTES, SYMBOLS AND LEGEND, AND GENERAL SLOPE REQUIREMENTS.
  - CONTENTS OF THIS DOCUMENT ARE DANGEROUS WASTE PERMIT AFFECTING.
  - THE PRESSURE BOUNDARY FOR ALL COMPONENTS ON THIS DRAWING IS QUALITY LEVEL CM AND SEISMIC CATEGORY SC-IV, UNLESS OTHERWISE NOTED.
  - ALL LINES SHALL BE FREE DRAINING, UNLESS OTHERWISE NOTED.
  - IN THE EVENT OF A LEAK OF EITHER DEP-VSL-00004A/B OR DEP-VSL-00005A/B, DEP-PMP-00035A/B DISCHARGE SHALL BE DIVERTED TO A VESSEL THAT IS NOT LEAKING.
  - STANDPIPE TO BE INSTALLED FROM 1/2" OFF OF THE BOTTOM OF THE SUMP TO 7.5 FEET ABOVE THE SUMP.
  - FOR CONNECTION TO LOCAL DIW UTILITY STATION FOR FLUSHING.
  - LOCATE IN PROCESS CONDENSATE VESSEL AREA (E-0106).
  - LOCATE FLUSH CONNECTION ON THE TOP OF THE PROCESS PIPE AS CLOSE AS POSSIBLE TO CHECK VALVE.
  - SUMP CONTENTS ARE SAMPLED PRIOR TO TRANSFER.
  - SUMP SHALL BE FLAT BOTTOM SUMP.
  - FUNCTION CONVERTS SUMP LEVEL IN INCHES TO GALLONS.

- HOLD/OPEN ITEMS:**
- SUMP SAMPLING DESIGN ON HOLD PENDING IDENTIFICATION OF A METHOD OF OBTAINING A SAMPLE WITHOUT REQUIRING THE SUMP PUMP OPERATING. SUMP PUMP MAY REQUIRE MORE LIQUID THEN AVAILABLE WHEN SAMPLE IS REQUIRED. SAMPLE DESIGN SHOULD NOT ALLOW TRANSFER BETWEEN SUMPS.

- REFERENCES:**
- 24590-BOF-3ZD-25-00001 WTP DIRECT FEED LOW ACTIVITY WASTE (DFLAW) FACILITY AND SYSTEM DESIGN DESCRIPTIONS.

PLEASE NOTE THAT SOURCE SPECIAL NUCLEAR AND BYPRODUCT MATERIALS, AS DEFINED IN THE ATOMIC ENERGY ACT OF 1954 (AEA) ARE REGULATED AT THE U.S. DEPARTMENT OF ENERGY (DOE) FACILITIES EXCLUSIVELY BY DOE ACTING PURSUANT TO ITS AEA AUTHORITY. DOE ASSERTS THAT PURSUANT TO THE AEA IT HAS SOLE AND EXCLUSIVE RESPONSIBILITY AND AUTHORITY TO REGULATE SOURCE SPECIAL NUCLEAR AND BYPRODUCT MATERIALS AT DOE-OWNED NUCLEAR FACILITIES. INFORMATION CONTAINED HEREIN ON RADIONUCLIDES IS PROVIDED FOR PROCESS DESCRIPTION PURPOSES ONLY.

<b>CM</b> QUALITY DESIGNATOR		0 ISSUED FOR CONSTRUCTION		3/20/16	3/20/16	3/20/16	3/20/16	3/20/16
REV		DESCRIPTION		ORG	CHKD	RVWD	APVD	DATE
REVISION HISTORY								
ISSUED BY RPP-WTP POC		PROJECT No. 24590		SITE HANFORD		CONTRACT No. DE-AC27-01RV14136		
ISSUE STAMP		AREA 200E		BUILDING No. 25		RIVER PROTECTION PROJECT WASTE TREATMENT PLANT 2435 STEVENS CENTER PLACE RICHLAND, WA 99354		
ORIGINATOR	DATE	P&ID - BOF / EMF PROCESS VESSEL AREA SUMPS DEP SUMP-00005A / B						
CHECKER	DATE	SCALE: NONE						
APPROVER	DATE	REV: 1						
REVIEWER	DATE	24590-BOF-M6-DEP-00009005						
APPROVER	DATE	REV 0						
CONTENT APPLICABLE TO ALARA? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO		ADR No. 24590-WTP-ADR-M-86-0001		REV: 1		SCALE: NONE		
FORM E_SDN.DGN 02/2009		COMPUTER GENERATED - MANUAL DESIGN CHANGES NOT PERMITTED		R1177738		3/22/2016 11:05:20 AM		