



- 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.
  - FUNCTION CONVERTS SUMP LEVEL IN INCHES TO GALLONS.
  - STANDPIPE TO BE INSTALLED FROM 1/2" OFF OF THE BOTTOM OF THE SUMP TO 6.4 FEET ABOVE THE SUMP.
  - LOCATE IN THE EVAPORATOR CONCENTRATE VESSEL AREA (E-0105).
  - SUMP CONTENTS ARE SAMPLED PRIOR TO TRANSFER. RAIN AND VOLUME FROM VESSEL FAILURE WILL TRANSFER TO OVERHEAD SAMPLING VESSELS. SMALL LEAKS WILL TRANSFER TO LOW POINT DRAIN VESSEL.
  - LOCATE FLUSH CONNECTION ON THE TOP OF THE PROCESS PIPE AS CLOSE AS POSSIBLE TO THE CHECK VALVE.
  - FOR CONNECTION TO LOCAL DIW UTILITY STATION FOR FLUSHING.
  - SUMP SHALL BE FLAT BOTTOM SUMP.
  - FILTER MEDIA TO BE VISUALLY CHECKED SEMI-ANNUALLY AND REPLACED ANNUALLY AT A MINIMUM.

- 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.
  - SUMP PUMP TDH ON HOLD UNTIL CALCULATION IS UPDATED TO INCLUDE DEP-FILT-00005.
  - PSV DESIGN ON HOLD PENDING PSV SIZING CALCULATION.

- 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.

CM	0	ISSUED FOR CONSTRUCTION	5/22/16	RP	BV	3/24/16
	REV	DESCRIPTION	ORG	CHKD	RWD	APVD
REVISION HISTORY						
ISSUED BY	PROJECT No.	24590				
APP-WTP PDC	SITE	HANFORD				
ISSUE STAMP	AREA	200E				
	BUILDING No.	25				
ORIGINATOR	BY	DATE	CONTRACT No: DE-AC27-01RV14136			
CHECKER	Allen Burton	3/22/16	RIVER PROTECTION PROJECT			
APPROVER	Robert Burton	3/22/16	WASTE TREATMENT PLANT			
REVIEWER			2435 STEVENS CENTER PLACE			
APPROVER			RICHLAND, WA 99354			
CONTENT APPLICABLE TO ALABAMA? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO			SCALE: NONE			
ADR No. 24590-WTP-ADR-M-16-0001			REV: 1			
24590-BOF-M6-DEP-00009002			R11777705			