



- ### 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 SHOWN ON THIS DRAWING SHALL BE FREE DRAINING, UNLESS OTHERWISE NOTED.
 - FUNCTION CONVERTS TANK LEVEL IN INCHES TO GALLONS.
 - SPOOL PIECE TO FACILITATE SPRAY NOZZLE REMOVAL.
 - STANDPIPE TO BE INSTALLED FROM 1/2" OFF OF THE BOTTOM OF SUMP TO 3 FEET ABOVE THE SUMP.
 - LOCATE SPRAY NOZZLES ON OPPOSITE SIDES OF VESSEL.
 - SAMPLE FUME HOOD (DEP-HOOD-00001) DETAILS SHOWN ON 24590-BOF-MO-DEP-00001.
 - VALVE BODY SHALL BE INSTALLED IN THE HORIZONTAL POSITION. LOCATE AS CLOSE AS POSSIBLE TO DEP-FILT-00003.
 - FOR CONNECTION TO LOCAL DIW UTILITY STATION FOR FLUSHING.
 - LOCATE FLUSH CONNECTION ON THE TOP OF THE PROCESS PIPE.
 - A DRAIN CONNECTION WITH DRAIN VALVE SHALL BE PROVIDED ON THE PUMP CASING.
 - 24590-BOF-DGCE-MS-16-00004 APPROVES THE USE OF BALL VALVES FOR INSTRUMENT ROOT VALVES.
 - PRESSURE OF CONNECTION UTILITY NOT TO EXCEED 50 PSIG DESIGN PRESSURE.
 - LOCATE VALVE CLOSE TO DEP-HOOD-00001.
 - STANDPIPE PROVIDED BY VESSEL VENDOR FOR LEVEL PROBE.
 - LINE NUMBER IS PROVIDED ONLY FOR PLANT DESIGN TO CREATE ISO CONNECTING HARDWARE FOR LT-8109 TO VESSEL NOZZLE.

- ### HOLD/OPEN ITEMS:
- OVERFLOW AND LOOP SEAL ON HOLD PENDING DESIGN CHANGE FOR DIPPED OVERFLOW AND BASIS CALCULATION.
 - DEP-NOZ-00001V-00011 CONFIGURATION AND FLOW CONDITIONS ON HOLD. THIS HOLD WILL BE RELEASED WHEN VENDOR INFORMATION IS RECEIVED.
 - OFF-SHEET CONNECTOR QUADRANT AND LINE NUMBER ARE ON HOLD PENDING REVISION OF CONNECTING P&ID AND REVISION OF 24590-BOF-M6-DIW-00006.
 - RELIEF VALVES ON HOLD. HOLD WILL BE RELEASED WHEN CALCULATIONS DETERMINING RELIEF VALVE SIZING IS ISSUED.
 - PENDING CLOSURE OF APPROPRIATE ACTIONS IN 24590-WTP-ATS-MGT-16-0012.
 - LINE SIZE ON HOLD PENDING REVISION OF 24590-BOF-M6-DEP-00002 TO INCLUDE THIS ROUTE.
 - LINE NUMBER ON HOLD PENDING ISSUANCE OF CONNECTION P&ID 24590-BOF-M6-DEP-0001001.
 - OFF-SHEET CONNECTOR QUADRANT AND LINE NUMBER ARE ON HOLD PENDING REVISION OF CONNECTING P&ID AND REVISION OF 24590-BOF-M6C-PSA-00013.

- ### REFERENCES:
- 24590-BOF-32D-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 BY 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 QUALITY DESIGNATOR	0	ISSUED FOR CONSTRUCTION	SS	REV	DESCRIPTION	ORG	CHKD	RVWD	APVD	DATE
	REVISION HISTORY									
ISSUED BY RPP-WTP PDC	PROJECT No.	24590	RIVER PROTECTION PROJECT WASTE TREATMENT PLANT 2435 STEVENS CENTER PLACE RICHLAND, WA 99354							
ORIGINATOR <i>[Signature]</i>	SITE	HANFORD	CONTRACT No. DE-AC27-01RV14136							
CHECKER <i>[Signature]</i>	AREA	200E	P&ID - BOF/EMF DIRECT FEED LAW EMF PROCESS SYSTEM LOW POINT DRAIN VESSEL PUMPS DEP-PMP-00001A/B							
APPROVER <i>[Signature]</i>	BUILDING No.	25A	SCALE: NONE							
REVIEWER <i>[Signature]</i>	DATE	3/22/16	24590-BOF-M6-DEP-00001002							
APPROVER <i>[Signature]</i>	DATE	3/24/16	REV 0							
CONTENT APPLICABLE TO ALARA? <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO										
ADDR. NO. 24590-WTP-ADR-M6-0001 REV: 1										